

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)	RATING DO-C9	PAGE OF PAGES 1 80
2. CONTRACT NO. FA807518D0007	3. SOLICITATION NO. FA807517R0001	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 21 Oct 2017	6. REQUISITION/PURCHASE NO.
7. ISSUED BY AFICA/KD DEFENSE TECHNICAL INFORMATION CENTER 101 WASHINGTON SQUARE, BUILDING 40 OFFUTT AFB NE 68113 TEL: 402-232-5319 FAX: 402-232-2173	CODE FA8075	8. ADDRESS OFFER TO See Item 7	(If other than Item 7)	CODE

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 2 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in Bldg 323C, Rm 102, Offutt AFB until 04:00 PM local time 17 Nov 2017
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME STANLEY STEARNS	B. TELEPHONE (Include area code) (NO COLLECT CALLS) 402-294-4711	C. E-MAIL ADDRESS STANLEY.STEARNS@US.AF.MIL
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)			
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):		AMENDMENT NO.	DATE
15A. NAME AND ADDRESS OF OFFEROR ENGLITY CORPORATION BEN OLSON 4803 STONECROFT BLVD CHANTILLY VA 20151-3822		CODE 9G924	FACILITY
15B. TELEPHONE NO (Include area code) 720-515-8519		16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print) BEN OLSON / CONTRACT ADMINISTRATOR	
15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>		17. SIGNATURE <i>Benjamin Olson</i>	
		18. OFFER DATE 9/26/2018	

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT \$8,901,000,000.00 EST	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM (4 copies unless otherwise specified)	
24. ADMINISTERED BY (If other than Item 7) DCMA BOSTON 495 SUMMER STREET BOSTON MA 02210-2138		CODE S2206A	25. PAYMENT WILL BE MADE BY DFAS-MOCAS-SOUTH (MOC G) HQ0338 DFAS-CO/SOUTH ENTITLEMENT OPERATIONS P.O. BOX 182264 COLUMBUS OH 43218-2264
26. NAME OF CONTRACTING OFFICER (Type or print) Mr. Stanley F. Stearns TEL: 402 294-4711 EMAIL: stanley.stearns@us.af.mil		27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	
		28. AWARD DATE 27 September 2018	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0001		UNDEFINED	Lot	UNDEFINED	\$6,900,000,000.00 EST

CPFF Task Order
CPFF

This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Order will be priced separately.

FOB: Destination
SIGNAL CODE: A

MAX COST	\$6,900,000,000.00 (EST.)
FIXED FEE	\$0.00
TOTAL MAX COST + FEE	\$6,900,000,000.00 (EST.)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0002		UNDEFINED	Lot	UNDEFINED	\$1,668,000,000.00 EST

Cost
COST

This CLIN is for Cost type items (Non-Fee Bearing) within the scope of the Basic IAC MAC PWS.

NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.

FOB: Destination
SIGNAL CODE: A

MAX COST \$1,668,000,000.00 (EST.)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0003	FFP-LOE Task Order FFP-LOE This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$100,000,000.00	\$100,000,000.00 TBN
				MAX NET AMT	\$100,000,000.00
				CEILING PRICE	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0004	FFP Task Order FFP This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$233,000,000.00	\$233,000,000.00 TBN
				MAX NET AMT	\$233,000,000.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
0005	Data COST Develop and provide data in accordance with Section J, Exhibit A, DD Form 1423-1 (IAC MAC Contract Data Requirements List) made part of this contract. This line item is Not Separately Priced. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot		NSP
				MAX COST	UNDEFINED

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1001 OPTION	CPFF--Option 1/Year 4 & 5 CPFF This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Order will be priced separately. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot	UNDEFINED	\$4,600,000,000.00 EST
				MAX COST	\$4,600,000,000.00 (EST.)
				FIXED FEE	\$0.00
				TOTAL MAX COST + FEE	<u>\$4,600,000,000.00 (EST.)</u>

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1002 OPTION	Cost--Option 1/Year 4 & 5 COST This CLIN is for Cost type items (Non-Fee Bearing) within the scope of the Basic IAC MAC PWS. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot	UNDEFINED	\$1,112,000,000.00 EST
				MAX COST	\$1,112,000,000.00 (EST.)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1003 OPTION	FFP-LOE--Option 1/Year 4 & 5 FFP-LOE This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$67,000,000.00	\$67,000,000.00 TBN
				MAX NET AMT	\$67,000,000.00
				CEILING PRICE	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1004 OPTION	FFP--Option 1/Year 4 & 5 FFP This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$156,000,000.00	\$156,000,000.00 TBN
				MAX NET AMT	\$156,000,000.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
1005 OPTION	Data--Option 1/Year 4 & 5 COST Develop and provide data in accordance with Section J, Exhibit A, DD Form 1423-1 (IAC MAC Contract Data Requirements List) made part of this contract. This line item is Not Separately Priced. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot		NSP
				MAX COST	UNDEFINED

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2001 OPTION	CPFF - Option 2/Year 6,7,8,&9 CPFF This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Order will be priced separately. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot	UNDEFINED	\$9,500,000,000.00 EST
				MAX COST	\$9,500,000,000.00 (EST.)
				FIXED FEE	\$0.00
				TOTAL MAX COST + FEE	<u>\$9,500,000,000.00 (EST.)</u>

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2002 OPTION	Cost - Option 2/Year 6,7,8,&9 COST This CLIN is for Cost type items (Non-Fee Bearing) within the scope of the Basic IAC MAC PWS. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot	UNDEFINED	\$2,220,000,000.00 EST
				MAX COST	\$2,220,000,000.00 (EST.)

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2003 OPTION	FFP-LOE - Option 2/Year 6,7,8,&9 FFP-LOE This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$133,000,000.00	\$133,000,000.00 TBN
				MAX NET AMT	\$133,000,000.00
				CEILING PRICE	\$0.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2004 OPTION	FFP - Option 2/Year 6,7,8,&9 FFP This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	1	Lot	\$311,000,000.00	\$311,000,000.00 TBN
				MAX NET AMT	\$311,000,000.00

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
2005 OPTION	Data - Option 2/Year 6,7,8,&9 COST Develop and provide data in accordance with Section J, Exhibit A, DD Form 1423-1 (IAC MAC Contract Data Requirements List) made part of this contract. This line item is Not Separately Priced. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot		NSP
				MAX COST	UNDEFINED

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3000 OPTION	Extension of Services -- CPFF CPFF Conduct Extension of Services for the IAC MAC Performance Work Statement. If the option is exercised the ordering period dates will be extended for CLINs, 2001, 2002, 2003, 2004, 2005. This CLIN is for non-personal services to support the requirements of the IAC MAC PWS and CDRL A001. A CPFF task order will be issued against this CLIN to cover the applicable ordering period, regardless of when this CLIN is exercised. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot	UNDEFINED	\$1,000,000,000.00 EST
				MAX COST	\$1,000,000,000.00 (EST.)
				FIXED FEE	\$0.00
				TOTAL MAX COST + FEE	<u>\$1,000,000,000.00 (EST.)</u>

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3001 OPTION	Extension of Services -- Cost COST This CLIN is for Cost type items (Non-Fee Bearing) within the scope of the Basic IAC MAC PWS. NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot		NSP
				MAX COST	UNDEFINED

ITEM NO	SUPPLIES/SERVICES	MAX QUANTITY	UNIT	UNIT PRICE	MAX AMOUNT
3002 OPTION	Extension of Services -- FFP-LOE FFP-LOE This CLIN, with an amount to be specified by the Government at time of award, will provide the scope for the issuance of non-personal Research, Development, Test, and Evaluation (RDT&E) Task Order that are within the scope of the IAC MAC PWS. Task Orders will be priced separately. FOB: Destination SIGNAL CODE: A	UNDEFINED	Lot		NSP
				MAX NET AMT CEILING PRICE	\$0.00

Section C - Descriptions and Specifications

PERFORMANCE WORK STATEMENT

INFORMATION ANALYSIS CENTER MULTIPLE AWARD CONTRACT (IAC MAC)

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SECTION 1 -- DESCRIPTION OF SERVICES/GENERAL INFORMATION

1.1 Background.

The Department of Defense (DoD) Information Analysis Center (IAC) Program operates in accordance with (IAW) DoD Manual 3200.14 Volume 1, "Principles and Operational Parameters of the DoD Scientific and Technical Information Program: General Processes", Mar 14; and DoD Manual 3200.14 Volume 2, "Principles and Operational Parameters of the DoD Scientific and Technical Information Program: Information Analysis Centers (IACs)", Jan 15.

The DoD IAC Program Management Office (PMO), a part of the Defense Technical Information Center (DTIC) is responsible for administrative and operational management of all DoD IACs. Technical report number ADA 309771, "Information Analysis Centers in the Department of Defense, Jul 87", provides a detailed review of the IAC concept, the over 60-year history of the IACs and the IAC role in the collection, analysis, synthesis and dissemination of Scientific and Technical Information (STI). In addition, DoD IACs function as specialized subject focal points and centers of excellence, supplementing the DTIC services within DoD Directive 3200.12, "DoD Scientific and Technical Information (STI) Program (STIP)", Aug 13. The IACs provide the long-term institutional memory of STI for the DoD (reference the Defense Federal Acquisition Regulation Supplement (DFARS) 235.010); along with the ability to avoid duplicating STI holdings and analytical capabilities in various Research and Development (R&D) support components.

STI is defined as "Communicable knowledge or information resulting from or about the conduct and management of scientific and engineering efforts. STI is used and reused by administrators, managers, scientists, and stakeholders engaged in scientific and technical efforts, and is the basic intellectual resource for, and result of, such efforts. STI may be represented in many forms and media, including paper, electronic data, audio, photographs, video, drawings, numeric data, textual documents, etc."

The IAC PMO has established 22 scientific and technical focus areas critical to current defense needs for Pools 1 and 2. Each of these 22 focus areas is mapped to one of three corresponding primary domain areas: Defense Systems, Cyber-Security and Information Systems, and Homeland Defense and Security.

Each of the three current IAC domain areas are supported and represented by one primary Basic Center of Operations (BCO) single-award indefinite delivery/indefinite quantity (IDIQ) IAC contract. The function of a BCO Contractor is to perform IAC "Core" services, focused on Information Collection, Processing/Management, Analysis and Dissemination, with typical activities including maintaining a knowledge repository/library, maintaining a presence in the technical community, and growing the knowledge repository collection (based on relevant research), maintaining a web presence, promoting customer awareness, preparing and publishing a newsletter, maintaining a Subject Matter Expert (SME) network database, and responding to technical inquiries, all focused on the assigned domain. Currently, there are three BCOs: Cyber-Security and Information Systems IAC (CSIAC), Defense Systems IAC (DSIAC) and Homeland Defense and Security IAC (HDIAC).

Under the current IAC construct, IAC Contractors perform IAC multiple award indefinite delivery/indefinite quantity contracts in each of the three domain areas by competing for and performing task orders, previously referred to as technical area tasks (TATs) that complement and augment the IAC services provided by the BCO Contractors. These contracts are referred to as MAC TAT contracts. Each task order is performed on behalf of, and funded by, a requiring activity (RA) customer authorized to use DTIC services. The terms "task order" (TO) and "technical area task" (TAT) are used interchangeably in the IAC program and in IAC materials referenced in

this Performance Work Statement (PWS). The requirement described herein is for task order services (aka TATs); this contract is a follow-on to the three IAC MAC TATs and is named "IAC MAC".

IAC MAC TOs encompass emerging Government R&D or other scientific and technical analysis requirements and necessitate a rapid and authoritative response, integrating the expertise of a diverse cadre of professionals positioned across various organizations, including representatives from Government, industry and academia. The level of research and analysis performed under IAC MAC TOs is above and beyond that offered by a BCO. The interdependence between "Core" services and IAC MAC TOs is defined in DoD guidance -- DoD Instruction 3200.14 establishes IACs to provide Core and additional R&D services. The BCO establishes a knowledge base in areas of strategic importance. The intent of IAC MAC TOs is to leverage the knowledge base to increase efficiency and effectiveness.

TOs result in creating new STI, which is added to the DTIC repository after quality control checks performed by the appropriate IAC BCO(s), based on the technical focus of the STI and the domain(s) with which it aligns. Additionally, TO efforts provide scientific and technical advice to Government, industry, academia, and other approved domestic users in the areas served by the IAC program. The STI and other products and services provided under TOs are intended to increase the productivity of the Research, Development, Test, and Evaluation (RDT&E) community, the Acquisition community, and other scientific and engineering groups working for the Department of Defense.

For each of the three afore-mentioned IAC technical domains, one five-year indefinite delivery/indefinite quantity, multiple award contract (MAC) vehicle was awarded in 2014 or 2015 to perform all IAC TAT requirements expected to arise in that domain area. The three TAT vehicles are: Cyber-Security and Information Systems MAC TAT (CS TAT), Homeland Defense and Security MAC TAT (HD TAT) and Defense Systems MAC TAT (DS TAT). Each of the MAC TAT's Contractors compete for TATs placed under the vehicle through the FAR 16.5 task order fair opportunity process. The scopes of the three MAC TATs are now being consolidated under this IAC MAC. As a result of this consolidation, all tasks and deliverables described herein shall be applicable to the 22 technical focus areas listed in 1.4.2.1.2 below, for Pools 1 and 2. The IAC MAC IDIQ contract vehicle Contractors (taken as a whole) will perform task orders across all three IAC domains.

1.2 IAC MAC Objectives.

The objectives of the IAC MAC are to:

- a. Draw from and build on the knowledge base of BCOs and in turn add to that knowledge base through the development and delivery of STI resulting from R&D and other R&D-related analytical services.
- b. Foster a connection and engage collaboratively with IAC BCOs performing work in relevant domain areas so as to maximize utilization of BCO products and services and minimize unnecessary duplication of effort.
- c. Conduct and/or support a wide range of studies, evaluations, and analysis of methods;
- d. Promote standardization within the focus areas covered under this PWS in the DoD/Federal environment;

1.3 IAC MAC Mission.

The mission of the IAC MAC is to provide RDT&E and other R&D related analytical services for the vital technical areas delineated in the Technical Scope portion of this PWS. In performing IAC MAC research and analyses, the Contractor shall facilitate use of existing STI, while reducing unnecessary duplication of research, information collection and analysis, and information dissemination efforts. The Contractor shall minimize and/or reduce redundant generation of STI.

1.3.1 Breadth of Customer Support. May include DoD components and other U.S. Government agencies and departments and their contractors, state and local Governments, Industry, Academia and other institutions as well as international organizations in which the U.S. Government is a member or participant. Foreign Governments or

foreign military organizations with which the United States or DoD has international agreements for military or related operations and or provides military assistance and sales.

1.4 Technical Scope.

The broad technical scope described herein includes all RDT&E services and other R&D-related analytical services. These services may support all aspects of identified or potential military, national security-related, and dual use applications of related technologies and methods, as well as the development of tools and techniques that enhance the mission of the DoD Research and Engineering community. TOs can be multi-million dollar efforts, may involve multi-year performance, may involve work for other than DoD customers, may be performed at multiple worldwide locations (to include performance outside the United States), may require Top Secret facility clearance, and may require personnel clearances up to Top Secret (compartmented and collateral). TOs are not Government-staff augmentation support services. The level of research and analysis are above and beyond that provided by the BCOs.

Specific examples of the types of support and tasks the Contractor shall perform under TOs are listed below. This list is not all inclusive but representative of typical TOs tasks. Each TO will require one or more tasks. All efforts shall be related to one or more of the technical focus areas listed below in paragraph 1.4.2. All TOs must be for the primary purpose of analysis or development that will generate STI. Routine "operational" type services will be permitted to be included on a TO only as long as they are incidental to, and necessary for, completion of related scientific and technical analysis or developmental efforts that will generate STI.

1.4.1 Breath of Support and Representative Tasks

1.4.1.1 Breadth of Support. The technical scope and representative tasks described below in this PWS includes work necessary for basic and applied research, RDT&E services, other R&D-related analytical services, and development of doctrine, tactics or plans. RDT&E services are described in table 1-1 immediately below this paragraph and are used for the primary purpose of advancing scientific and technical knowledge or apply that knowledge to the extent necessary to achieve agency and national goals. Other R&D-related analytical services may constitute scientific, engineering, studies, research and other technical advisory services incidental to a significant component of an R&D effort that is analytical in nature and results in STI.

TABLE 1-1

RDT&E SERVICES CATEGORIES
Per DFARS 235.001 "Research and development" means those efforts described by the RDT&E seven budget activity definitions found in the DoD Financial Management Regulation (DoD 7000.14-R), Volume 2B, Chapter 5.
BA 1, Basic Research
BA 2, Applied Research
BA 3, Advanced Technology Development (ATD)
BA 4, Advanced Component Development and Prototypes (ACD&P)
BA 5, System Development and Demonstration (SDD)
BA 6, RDT&E Management Support
BA 7, Operational System Development

1.4.1.2 Technical Development. Develop, or improve/modify designs, standards, specifications, networks, materials, methods, solutions, models, databases, prototypes, organisms, components, applications, systems, tools, configurations, discoveries, assemblies, surveys, configurations, agents, formulas, practices, processes or other technologies, i.e., provide engineering and technical support on physical, biological, organizational, or information technology resources. This may include laboratory or field work.

1.4.1.3 Evaluation. Analyze, demonstrate, review, evaluate, validate, or test designs, standards, specifications, networks, materials, methods, solutions, models, databases, prototypes, organisms, components, applications, systems, tools, configurations, discoveries, assemblies, surveys, configurations, agents, formulas, practices, processes or other technologies, i.e., provide engineering and technical support on physical, biological, organizational, or information technology resources.

1.4.1.4 Plans and Frameworks. Develop and/or modify plans, architectures, frameworks, protocols, tactics, policies, procedures, manuals, guides or strategies.

1.4.1.5 Implementation. Transition, integrate, upgrade, deploy, install or otherwise implement: designs, standards, specifications, networks, materials, methods, solutions, models, databases, prototypes, organisms, components, applications, systems, tools, configurations, discoveries, assemblies, surveys, configurations, agents, formulas, practices, processes or other technologies, i.e., provide engineering and technical support on physical, biological, organizational, or information technology resources.

1.4.1.6 Research and Analyses. Perform and document assessments, analyses, studies, reports, reviews, estimates, surveys or investigations.

1.4.1.7 Training (non-routine). Develop and/or deliver, conduct or facilitate education, trainings, instructions, tutorials, briefings, presentations, exercises, workshops or formal courses on developmental, non-commercial methods, models, applications, systems, tools, configurations, or other technologies; surveys, processes, phenomena, incidents, events, trends or patterns. This is not "routine" stand-alone training or education. All training services and education provided in this scope area must include an analysis component and generate new STI. The training and education must be incidental to and an adjunct of the analysis task.

1.4.1.8 Operations and Support Developmental Analysis. Provide analysis of operations and support activities. This includes analysis of systems (even those in the operational and support phase of their lifecycle) and processes, identification of potential improvements, and implementation of those improvements. This is not routine operational and maintenance (O&M) services. All services provided in this scope area must include an analysis component and generate STI. For example, analysis of maintenance practices on a mature system and making recommendations for improvements would be considered in-scope, conducting maintenance activities using current, accepted methods would be out of scope.

1.4.1.9 General Subject Matter Expertise. Provide subject matter expertise, consultation, recommendations, advice and other advisory support. The Contractor shall not provide purely staff augmentation services under this scope area without an analysis and STI component. These services must be for one or more of the types of services defined in the PWS, with associated STI deliverable(s).

1.4.1.10 Technical Conferences and Meetings. Organize, facilitate or participate in conferences, forums, symposia, events and meetings. All services provided in this scope area must include an analysis component. The conference/meeting support must be incidental to and an adjunct of the analysis task. The Contractor shall be engaged in developing content for the conference/meeting and not just provide administrative hosting support. Contractor performance of this task area is subject to the requiring activity obtaining all required approvals for Contractor participation in the conference, as stated in a TO PWS.

1.4.1.11 Other R&D or other R&D-related analytical services. Provide other R&D or other R&D-related analytical services, not elsewhere classified. Services included in this scope area must include an analysis component and shall not provide purely staff augmentation support without an analysis and STI component. These services must be for one or more of the types of services defined in the PWS, with associated STI deliverable(s).

1.4.2 Technical Focus Areas, Domains and Award Pools

1.4.2.1 Correlation of technical focus areas with BCO technical domains and IAC MAC award Pools:

1.4.2.1.1 BCO Technical Domains. Technical focus areas listed below are organized by the primary technical domain with which they are most closely associated. In the course of performing a TO, the TO Contractor shall interface with the BCO Contractor serving the domain covering the TO PWS, which will be specified in the PWS. However if a TO's scope has significant scientific or technical implications for, or overlaps with, the subject matter(s) associated with other IAC domains, the TO Contractor shall also engage with one or both of the other BCO Contractors, as appropriate. "Interface" in this context means STI Literature Searches/Gap Analyses, Annual STI Relevance Assessments, use of the BCO subject matter expert (SME) network and data repositories, etc. as

described under PWS paragraphs 1.5.1.5 and table 1-2. As technology evolves in each of the focus areas below, example topics and applications will emerge that are not listed herein. The scope of this contract includes all emerging technologies related to or arising from the focus areas listed herein, even if not listed in this PWS. The elements and examples of each focus area listed herein are illustrative, representative examples only and are not all-inclusive. The Contractor is not required to have expertise or experience in every example of every topic listed under the technical focus areas.

1.4.2.1.2 Award Pools. The table 1-2 below shows the correlation between technical focus areas and the BCOs.

TOs competed may have a partial or predominant scope including the technical focus area “CBRN - Non Laboratory”. TOs competed will not include the Contractor’s use of a non-Government furnished CBRN Laboratory or facility.

TABLE 1-2

TO’s Technical Focus Area	IAC Domain & Corresponding Primary BCO
Weapons Systems	Defense Systems
Autonomous Systems	Defense Systems
Survivability & Vulnerability	Defense Systems
RMQSI	Defense Systems
Advanced Materials	Defense Systems
Military Sensing	Defense Systems
Energetics	Defense Systems
Directed Energy	Defense Systems
Non-Lethal Weapons and Information Operations	Defense Systems
C4ISR	Defense Systems
Cyber-Security	Cyber-Security and Information Systems
Software and Data Analysis	Cyber-Security and Information Systems
Modeling & Simulation	Cyber-Security and Information Systems
Knowledge Management and Information Sharing	Cyber-Security and Information Systems
Homeland Security & Defense	Homeland Defense and Security
Critical Infrastructure Protection	Homeland Defense and Security
Weapons of Mass Destruction	Homeland Defense and Security
Biometrics	Homeland Defense and Security
Medical	Homeland Defense and Security
Cultural Studies	Homeland Defense and Security
Alternative Energy	Homeland Defense and Security
CBRN Non-Laboratory	Homeland Defense and Security

All Task Orders valued above \$15M will be competed in Pool 1 only. No Task Order competed under Pool 1 will be set-aside for exclusive small business participation (nor for any small business socio-economic program sub-

category such as service disabled veteran owned or woman-owned) even if there are two or more such small businesses likely to submit acceptable, reasonably priced offers for orders released in Pool 1.

1.4.2.2 Defense Systems Domain Technical Focus Areas

1.4.2.2.1 Survivability and Vulnerability refers to the science and technology for remaining mission- capable after a military engagement. The term “survivability” relates to the survivability of DoD platforms to avoid or survive a hostile threat (survivability of platforms and ability against specific threats). The scope of this contract is focused on the research and analysis of this subject matter area. This subcategory comprises four elements: Susceptibility - the likelihood of being detected, identified, and hit; Vulnerability - the effects of being hit by a weapon; Recoverability - damage control, restoration, mission continuation, and escape and evacuation; and Lethality – the effectiveness of munitions.

Examples of topics that fall within the general scope of Survivability and Vulnerability (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity within this technical focus area.

1) Survivable conventional force requirements; 2) air platform survivability/vulnerability; 3) ground system survivability/vulnerability; 4) ship survivability/vulnerability; 5) systems survivability; 6) low observable technology requirements for system survivability; 7) space related survivability; 8) laser effects; 9) advanced materials for enhanced survivability; 10) high power microwave susceptibility and vulnerability; 11) battle damage repair; 12) advanced weapon survivability/vulnerability; 13) helicopter survivability/vulnerability; 14) missile system survivability/ lethality analysis; 15) aircraft survivability equipment; 16) munitions/ammunition vulnerability; 17) live fire testing analysis; 18) ballistic test facility; 19) modeling and simulation tools that are vital to survivability/vulnerability and lethality analysis; 20) integrated survivability; 21) crew casualty methodology improvement; 22) support of combat operations; 23) damage repair methodologies; and 24) logistics implications of survivability.

1.4.2.2.2 Reliability, Maintainability, Quality, Supportability, and Interoperability (RMQSI) is composed of how well each weapons system is designed and manufactured, and its maintainability over time. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of RMQSI (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity within this technical focus area.

1) RMQSI-related interrelations between forms/functions/ shapes/ behaviors/structures/ dynamics, principles and constraints that govern the interactions between multiple functions; 2) the multi-functional component integration issues and system adaptation capabilities that allow systems to select and switch functions based on tasks and environments; and 3) reliability and life-lengthening methodologies for analyzing mechanical and electrical systems, especially those with extremely high failure rates; 4) system acquisition planning and management; 5) systems interoperability assessments; 6) integrated supply chain management; 7) RMQSI-related application of non-developmental and commercial technology in military applications; 8) reliability centered maintenance implementation; 9) logistics management and planning tools and other logistics applications, systems and operations-related analyses; 10) RMQSI-related root cause analysis; 11) RMQSI-related corrective action and re-engineering; 12) sustainment management planning; 13) reliable human factors; 14) integrated reliability & maintainability test planning; 15) affordability and life cycle cost analysis; 16) RMQSI-related environmental effects characterization; 17) quality improvement planning and implementation; 18) RMQSI-related design trade-off analysis; and 19) system/equipment lifetime extension analysis.

1.4.2.2.3 Military Sensing includes all sensing applications that apply to the defense of the United States of America. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Military Sensing (this list is not all-inclusive) is shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) X-ray, ultraviolet, visible/optical, infrared, radar, laser, acoustic, aroma, and other sensors; 2) electronic warfare and countermeasures systems; 3) the fusion, processing, distribution, and display of sensed information; 4) sensors, sensor subcomponents and materials technology; 5) counter-countermeasures; 6) directed energy/active sensor systems; 7) target, background and atmospheric phenomenology; and 8) manned and automated target acquisition/discrimination techniques. 9) The following are types of sensors the Contractor should have technical familiarity with: electromagnetic; electro-optical; infrared; radar; acoustic; seismic; magnetic; fused sensor combinations. Spectral bands of electro-magnetic sensors of interest include all wavelengths from the ultra-violet through radar (radio waves).

1.4.2.2.4 Advanced Materials is composed of traditional material and processes science, engineering and technologies in the context of defense systems and military applications. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Advanced Material (this list is not all-inclusive) is shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Organic materials and organic-matrix composites including aerospace structural/thermal composites and hard coatings for wear and corrosion resistance; 2) effects of ion bombardment; 3) material and component technologies; 4) self-assembly of microstructures for advanced materials including tubules; 5) advanced ceramics, ceramic sol gels; 6) meta-materials; and 7) the assessment of potential applications including: controlled release, advanced composites for electronic, structural, and thermal applications, and environmental applications.

The scope also includes manufacturing and testing, including: 8) all processing and fabrication methods associated with the design, research and development and repair/remanufacturing of metals, composites, and energetic and munitions technologies; 9) new and existing machine intelligence relating to manufacturing; 10) non-destructive evaluation (NDE), testing and inspection; 11) corrosion mitigation; 11) mortar tubes; 12) weapons system life extension; 13) thermal controls and batteries; 14) processing techniques that can be developed for rapidly synthesizing materials and structures at low environmental and fiscal costs; 15) digital manufacturing and 3-D and other additive manufacturing; 16) 2-D materials; and 17) emerging technologies such as non-reflecting and self-cleaning surfaces, biocompatible silk, energetic material (for example, pyrotechnic compositions and explosives) and nanotechnology (for example, designing and developing nano-materials, nano-particles, and potential device application).

1.4.2.2.5 Energetics refers to the scientific study of energy under transformation in the context of defense systems and military applications. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Energetics (this list is not all-inclusive) is shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Explosives including homemade explosives; 2) propellants including chemical propulsion; 3) pyrotechnics and delays; 4) additives, reactive materials, and ingredients 5) detonation science and chemical engineering 6) all aspects of rocket propulsion ranging from small scale liquid engine components and tactical motors to launch booster class engines and strategic rocket motors as well as intermediate devices including combined cycle designs, spacecraft propulsion, hypersonic and space and missile propulsion system components; 7) research into propulsion concentrated on processes characteristic of reciprocating (diesel) and gas turbine engines and the combustion dynamics of propellants used for gun and missile propulsion; 8) emerging technologies relating to the research and evaluation of hybrid propulsion as a viable propulsion alternative to conventional propulsion; 9) hybrid fuels and oxidizers; 10) rocket nozzle technology and propellant grains; 11) disruptive energetics; 12) digital manufacturing of explosives and 13) 3-D additive manufacturing of explosives.

1.4.2.2.6 Non-Lethal Weapons and Information Operations consists of two sub areas: non-lethal weapons and information operations. Non-lethal weapons, defined in Department of Defense Directive 3000.03E, are weapons, devices and munitions that are explicitly designed and primarily employed to incapacitate targeted personnel or materiel immediately, while minimizing fatalities, permanent injury to personnel, and undesired damage to property

in the target area or environment. Non-lethal weapons are intended to have reversible effects on personnel and materiel. Information Operations, as defined in Department of Defense Directive 3600.01, is the integrated employment, during military operations, of information-related capabilities in concert with other lines of operations to influence, disrupt, corrupt, or usurp the decision making of adversaries and potential adversaries while protecting your own. The scope of this contract is focused on the research and analysis of these subject matter areas.

Examples of topics that fall within the general scope of Non-lethal Weapons and Information Operations (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Sound (sonic weaponry, acoustic weapons); 2) stench warfare (stink bombs); 3) military information support operations; 4) sock rounds; 5) pepper spray; 6) entangling devices; 7) Blunt trauma; and 8) the use of non-lethal weapons to combat asymmetric threats and operations on a real-time basis in the battlefield and at greater than small arms range.

1.4.2.2.7 Directed Energy includes weapons that emit energy in an aimed direction without the means of a projectile. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Directed Energy (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Electronic warfare with subcategories of electronic attachment, electronic protection and electronic warfare support; 2) electromagnetic power – bombs; 3) electro laser and other electroshock weapons; 4) radio frequency technologies; 5) microwaves to disable communications; 6) pulsed energy projectiles; 7) electromagnetic radiation; 8) particle energy projectiles; 9) particle beam weapons; 10) electron particle beam weapons; 11) high-energy laser and related technologies; 12) countermeasures such as reflective coatings, gas envelopes and chaotic trajectories; and 13) all processing and fabrication methods associated with the design, research and development, production and repair of directed weapons.

1.4.2.2.8 Autonomous Systems is composed of ground, air, or sea-launched kinetic munitions that utilize on-board sensors, algorithms, and control methods to improve estimates on the target state, to understand the implications of the engagement situation/environment, or to develop engagement geometries that are otherwise unavailable to a conventional weapon. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Autonomous Systems (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Unmanned aerial systems (e.g. airplanes, helicopters, drones); 2) unmanned autonomous systems both for subsea and surface (unmanned underwater vehicles, unmanned surface vehicles, sea robotics, dual mode systems); 3) unmanned ground vehicles (robots, tanks, hummers); 4) multisystem collaborative autonomy; 5) autonomous-system related precision effects and control; 6) timely precision stand-off; 7) autonomous systems-related responsive and dynamic targeting; 8) autonomous systems-related difficult target defeat; 9) semi-autonomous weapons; 10) miniature autonomous systems; 11) full range of weapon capabilities of manned weapons as they relate to autonomous systems; 12) operations of autonomous agents such as anti-traction and anti-reaction chemicals; 13) counter-mobility agents; 14) autonomous-systems related pulsed energy projectiles; 15) autonomous systems-related plasma weapons; 16) autonomous systems-related advanced optical and communications technologies; 17) autonomous systems related stochastic pursuit-evasion differential games with multi-players; 18) autonomous systems-related hunter-prey relationships and swarming behavior; 19) challenging environments for autonomous systems (for example, littorals, urban, adverse weather, night, denial, deception, active defenses); 20) autonomous systems-related networked operations; 21) autonomous systems related-intelligent systems; 22) human agent teaming and 23) autonomous systems-related artificial intelligence and machine-language.

1.4.2.2.9 Weapons Systems refers to any integrated system, usually computerized, for the control and operation of weapons; this includes strategic and tactical, offensive and defensive weapons. This domain area covers any facet of

technical research and analysis related to Weapons Systems that is not covered in a more specific bolded sub-category. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Weapon Systems (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Space and anti-satellite systems; 2) soldier systems; 3) future combat systems; 4) guidance systems; 5) tanks, aircraft, ship, submarine, and missile systems; 6) warheads; 7) small, medium and large caliber ammunition; 8) mortars; 9) hand-emplaced munitions such as mines, grenades and demolition systems; 10) firearms, cannon and artillery; 11) fuses, safe and arming devices; 12) countermeasures against laser-guided or laser-aided threats; 13) revolutionary lethal, and less lethal munitions-related research for new airframe/ordnance and guidance/control technology weapon paradigms; 14) the environmental impacts of weapon systems (for example, safe disposal and demilitarization of weapons, materials, and components); 15) weapons systems-related energy consumption, conservation and management; and 16) weapons systems-related environmental remediation and restoration.

1.4.2.2.10 Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) refers to systems, procedures, techniques, and equipment used to collect, analyze, disseminate and translate information into actionable intelligence, principally through cyber and electromagnetic activity. This includes intelligence collection and dissemination networks, command and control networks, and systems that provide the improved situational awareness on the battlefield at all levels of command structure. C4ISR also includes cyber security products and services as well as communications standards that support the secure exchange of information by C4ISR systems (digital, voice, and video data to appropriate levels of command).

The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of C4ISR (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) C4ISR technologies including hardware, such as radios, receivers, satellites, relays, routers, computers, networks and other information technology infrastructure; for Intelligence, Surveillance, and Reconnaissance ("ISR"): 2) remote sensors (infrared, MM-wave, optical, radio frequency sensors) placed on platforms such as aircraft and satellites and all manned and unmanned vehicles; for Command and Control, technologies that: 3) require advanced computing power and computer algorithms to fuse multiple sensor inputs and data streams into decision-making support software applications to provide real-time improvement of tactical situational awareness including C4ISR-related artificial intelligence applications. Also included are: 4) other software algorithms and programs applied to C4ISR including those that ensure interoperability among disparate communications systems, encryption algorithms to ensure secure communications, signal detection and image processing methods, anti-jamming and low probability of signal intercept techniques, communications networking protocols, and inertial navigation/Global Positioning System (GPS); and 5) threat warning systems and electronic countermeasures such as RF and communications-jamming techniques and decoys.

1.4.2.3 Cyber-Security and Information Systems Domain Technical Focus Areas

1.4.2.3.1 Software and Data Analysis is defined as the process of inspecting, cleaning, transforming, and modeling data with the goal of highlighting useful information, suggesting conclusions, and supporting decision making. The scope, as it relates to the DoD RDT&E communities' needs, includes the entire field of software technologies and engineering specifically as related to information, documentation, databases, model and architecture repositories, analysis, training, testing, data synthesis, hardware, software development, standards, economic consideration of selection of techniques and processes, and interoperability.

Examples of topics that fall within the general scope of Software and Data Analysis (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Installation, demonstration, test, validation and evaluation of new and existing software, tools, methods and software measurement technologies; 2) evaluations of the quality of existing software systems and recommending

improvements; 3) needs and risk analyses of software packages (developmental, non-developmental and commercial off the shelf (COTS) relative to mission requirements; 4) development, updating, and evaluation of software engineering standards, specifications, handbooks, or manuals; 5) supporting the revision and development of military standards and specifications; 6) verification and validation of solution sets and protocols; 7) assisting user organizations with all aspects of software development or software acquisition; 8) development of life cycle cost models; and 9) customization of software analytical tools, models, decision aids, artificial intelligence capabilities, screening methods and techniques used to evaluate and support the authenticity and continuity of DoD, national, commercial, and international information systems.

1.4.2.3.2 Cyber Security (CS) (formerly referred to as information assurance(IA)) is defined as the technologies, processes, and practices designed for prevention of damage to, protection of, and restoration of computers, electronic communications systems, electronic communication services, wire communication, and electronic communication, including information contained therein, to ensure its availability, integrity, authentication, confidentiality, and non-repudiation. While focused dominantly on information in digital form, the full range of CS also encompasses analog and physical form. The scope is not limited to information security; it includes the entire field of CS (availability, identification and authentication, confidentiality, integrity, and non-repudiation) and includes the economic considerations with respect to selection of CS techniques, CS processes, and industry trends. It also includes Information Operations (IO), e.g. operational security of information technology (IT), the use of the electromagnetic spectrum for IT purposes and computer network operations. In a contested cyber environment, CS supports Mission Assurance (MA) measures required to accomplish mission essential objectives. CS support to MA entails prioritizing mission essential functions, mapping mission dependence on cyberspace, identifying cyber-related vulnerabilities, and mitigating risk of these vulnerabilities.

Examples of topics that fall within the general scope of Cyber Security (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

Full spectrum cyber operations including 1) developing CS planning frameworks and development of requirements and mission needs documents and conducting trade-off analyses; 2) cyber threat avoidance; 3) defensive cyber operations including red teaming and performing threat assessments of hardware and software systems; and 4) cyber offensive and exploitative operations. All of the above may include: cyber technology research, analysis and prototyping, cyber situational and mission awareness, cyber modeling, simulation and war gaming, integrating innovative cyber technologies to enable cyber superiority and the facilitation of technology transition.

1.4.2.3.3 Modeling and Simulation (M&S) is defined as the use of models, including emulators, prototypes, simulators, and stimulators, either statically or over time, to develop data as a basis for making managerial or technical decisions. The scope includes all classes of models and simulations, and may involve the interface of real-world systems (e.g., command and control systems, intelligence systems, weapon systems and components, sensors) with models or simulations, as well as working with model elements, standards and specifications, and modeling system descriptions, interfaces, and data communication methods.

Examples of topics that fall within the general scope of Modeling and Simulation (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) M&S subject matter expertise for supporting program reviews, strategic planning, exercise management, knowledge acquisition, and operations coordination and monitoring; 2) providing support for DoD certification of compliance with High Level Architecture for federates; 3) evaluating and improving models and databases that support IA; 4) the development and implementation of modeling and analysis tools for collaborative databases and data stores; 5) applying M&S for evaluating the effectiveness of forces, systems, doctrines, tactics and plans in support of training, analysis and acquisition activities; 6) evaluating M&S interoperability, reuse, capabilities and cost-effectiveness, particularly as fostered by the common technical framework; and 7) supporting cross-domain coordination, configuration management, and military exercises and demonstrations.

1.4.2.3.4 Knowledge Management and Information Sharing is defined as the analysis and technical support of practices used in an organization to identify, create, represent, distribute, conduct and enable the adoption and leveraging of good practices embedded in collaborative settings and, in particular, in organizational processes.

Information Sharing (IS) is defined as data exchange, communication protocols and technological infrastructures. It includes standardization of information, as well as the human functions involved in the semantic, pragmatic and social levels of organizational semiotics. The two areas of KM and IS are intertwined as information sharing is the foundation for knowledge management.

Examples of topics that fall within the general scope of Knowledge Management and Information Sharing (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Expertise in working with comprehensive collections of empirical data on the development, operation, and maintenance of software systems; 2) analysis of this data (data may be from new or existing sources) – this includes data analytics (data to decisions); 3) supporting the development, delivery and/or evaluation of training (including classroom, computer-based-instruction, video recording, distance learning, and other forms of instruction); 4) expertise in advanced collaborative analysis tools that allow for the integration of existing and in-process social networking and intelligence data exploitation tools; 5) processes and tools for big data decision-making and artificial intelligence applications; 6) assessment and implementation of semantically-enabled and other tools that support decision makers by leveraging existing information to create actionable knowledge; 7) intelligence and collaboration systems including Global Net Centric Systems; and 8) knowledge-management related computer system, computer network, and communication engineering, and knowledge management-related software integration, software engineering and software technology.

1.4.2.4 Homeland Security and Defense Domain Technical Focus Areas

1.4.2.4.1 Homeland Security & Defense is composed of Counterterrorism, Environmental Security, Aviation Security, Law Enforcement, Fraud Protection, Building and Facilities Security, Border Security, Disaster/Emergency Response and Recovery, and Cyber Security/Information Management. This is a domain area that covers any facet of homeland defense/security that is not covered in a more specific bolded sub-category below. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Homeland Defense and Security (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) IED/terrorist attack prediction; 2) technology and methods to detect explosives in public spaces and transportation networks; 3) spectrum management (i.e., the federal Government's use of the radio frequency spectrum); 4) emergency response information networks; 5) analysis of terrorist tactics and strategies; 6) operational threat response and recovery; 7) air and space domain surveillance and intelligence integration; 8) homeland defense-related sensor and imaging technology (i.e., non-military); 9) technology and methods for protection against counterfeiting and trafficking; 10) the detection/prevention of documentation- and computer-related fraud; 11) emerging technologies relating to physical security, exposing identity theft, controlling access across borders; 12) emerging technologies such as active shooter response technology; 13) technologies relating to building, sustaining, and improving capabilities to prepare for, protect against, respond to, recover from, and mitigate all hazards including natural disasters and terrorist attacks; and 14) technology-based security screener training, tools and processes/methods to optimize screening effectiveness.

1.4.2.4.2 Critical Infrastructure Protection (CIP) is the protection of infrastructure and resources critical to national security, and is composed of National Infrastructure, Physical and Virtual Systems, Cyber Infrastructure and Continuity of Operations (COOP). The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Critical Infrastructure Protection (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Emerging technologies and methodologies relating to public health systems/infrastructure; 2) financial services systems/infrastructure; 3) security infrastructure; 4) telecommunications infrastructure; 5) agricultural infrastructure; 6) technologies related to energy infrastructure and grid security and 7) COOP planning. Technology could also include: 8) CIP-related network development and analysis tools; 9) CIP-related failure modeling and simulations and analysis of data streams; 10) development of new affordable, transportable utility components,

telecommunications, blast analysis and protection measures for CIP-attack response, and (11) CIP-related surveillance methods and technology.

1.4.2.4.3 Weapons of Mass Destruction (WMD) are defined as chemical, biological, radiological, or nuclear weapons or devices capable of a high order of destruction, high explosives, and/or causing mass casualties. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Weapons of Mass Destruction (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) International weapons technology and proliferation; 2) arms control; 3) technologies for WMD-related preparedness, countermeasures and investigations; 4) research and analysis related to WMD and IED-related international R&D technology, including implications of emerging threat information and queries from the intelligence community.

1.4.2.4.4 Biometrics is the automated methodology to uniquely identify humans using their physiological or behavioral attributes. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Biometrics (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Emerging technologies relating to fingerprints, footprints, palm print, hand geometry and DNA; 2) facial recognition including facial thermograph; 3) gait recognition; 4) eye retinal and iris recognition; 5) odor/scent recognition; 6) typing rhythm recognition; 7) voice pattern recognition; 8) signature recognition; 9) vein scan; 10) blood pulse recognition; 11) nail bed identification; and 12) ear shape recognition. Technology could also include: 13) devices and software for synthesis, analysis, measurement and characterization of biological markers, structures and features; 14) devices to acquire biometric data, biometric screening capabilities, biometric detection devices and methods; and (15) biomathematics and bioinformatics.

1.4.2.4.5 Medical is composed of any facet of medical research relating to homeland defense and security, public health/global health or military operations. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Medical (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Traumatic brain injury; 2) mental health; 3) amputation; 4) prosthetics; 5) limb salvage; 6) rehabilitation; 7) burn treatment including thermal, electrical, chemical and laser; 8) prevention and treatment of hearing loss, vision loss and spinal cord injuries; 9) clinical informatics – the organization of healthcare information; 10) aviation and combat life support equipment; 11) regenerative medicine (the use of expanded stem cells in an effort to facilitate recovery of marrow that has been exposed to radiation and chemical weapons); 12) infectious diseases; 13) pharmaceuticals; 14) non-invasive and remote assessment of physiological status; 15) pre-symptomatic diagnoses technology; 16) molecular genetics and genomics; 17) emerging technologies in diagnostic assays, disease vector control and protection systems; 18) combatting antimicrobial resistance systems; 19) medical preparedness; 20) health protection; 21) occupational, industrial and environmental health; 22) radiation health; and 23) field care medical needs

1.4.2.4.6 Cultural Studies is composed of cultural and sociological analysis – research into the ideology, political and economic nature of a culture in order to better understand its people and Government for national security purposes. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Cultural Studies (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Cultural anthropology (for example, collecting data about the impact of global, economic and political processes on local cultural realities); 2) cultural diplomacy (for example, initiation or facilitation of information exchange with an aim to yielding a long-term benefit and build relationships and enhancing socio-cultural understanding); 3) public diplomacy (for example, communication with foreign publics to establish a dialogue designed to inform and influence); 4) strategic communication (for example, communicating directly and clearly with regard to the

operations, structures and processes of the DoD); 5) study of terrorism and responses to terrorism; 6) research on individual and group behavior, quantitative techniques to describe and understand social and economic systems, graph theory and network analysis to model social networks and complex system behaviors; 7) socio-cultural computing; 8) human adaptation and response to perturbations (e.g., climate change, mass migration, war); 9) interactions between human and natural systems; 10) technologies to enable/enhance language learning; 11) theology/comparative religions; and 12) military information support operations (formerly referred to as “psychological warfare and operations”).

1.4.2.4.7 Alternative Energy is composed of novel, non-traditional and emerging sources and technologies for harvesting, generating, storing, transmitting/transporting and reusing energy. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of Alternative Energy (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Fusion energy; 2) renewable energy including solar, hydro and wind power, and integration with the electric grid; 3) geothermal energy; 4) fossil fuels; 5) hydrogen energy generation and storage; 6) alternative fuels including bio-energy/biofuels; 7) advanced energy storage, distribution and generation; 8) portable, efficient and compact power technologies; 9) energy recovery and conversion including resource reuse and transformation; 10) micro-scale power sources; 11) novel electrical and magnetic materials for energy-applications; 12) alternative-energy related biomimetics applications; 13) alternative-energy related modeling and simulation and 14) nuclear batteries.

1.4.2.4.8 CBRN Non-Laboratory is composed of defense against (actual or potential) weaponized chemical, biological, radiological or nuclear agents. CBRN refers to deliberate use of these agents to cause significant harm. This scope area covers all CBRN requirements that do not require use of one or more of the CBRN laboratories or other facilities described in paragraph 1.4.3 below, in order to perform the TO. The scope of this contract is focused on the research and analysis of this subject matter area.

Examples of topics that fall within the general scope of CBRN Non-Laboratory (this list is not all-inclusive) are shown below -- the Contractor shall have technical familiarity to work within this technical focus area.

1) Properties and synthetic routes of CBRN materials for characterization and attribution; 2) technology and methods for detection, identification, measurement and characterization of CBRN agents including detection paradigms and systems for improved, emerging and novel threats; 3) experimental characterization of CBRN hazards; 4) combat effectiveness / force protection /logistics support of specialized CBRN defense equipment; 5) CBRN surveillance, security and survivability; 6) manufacturing processes for CBRN defense systems; 7) container security/intrusion detection devices for CBRN agents; 8) hazard modeling tools for CBRN events; 9) CBRN damage assessment; 10) individual and collective CBRN protection/protective gear; 11) technologies and methods for toxic material decontamination/cleanup, neutralization, and hazard mitigation; 12) securing and transporting CBRN agents; 13) development of non-lethal/less-hazardous CBRN materials; 14) environmental and human CBRN effects and treatment; 15) development, efficacy testing (non-clinical) and production of CBRN medical countermeasures including non-clinical safety toxicology and pharmacokinetic testing; 16) nonclinical toxicity evaluations of CBRN threats and emerging threats; 17) testing and operations assessments of CBRN analytical and diagnostic instrumentation; 18) CBRN operational threat response and recovery; 19) CBRN sensor and imaging technology (non-military); and 20) technologies for CBRN-threat related preparedness, countermeasures and investigations.

1.5 Program Management & Reporting

1.5.1 Management Requirements

1.5.1.1 General Program Management. The Contractor’s organization shall be established with authority and capacity to effectively accomplish the management of this IAC MAC Indefinite Delivery/Indefinite Quantity (IDIQ) contract and the oversight and performance of resultant TO requirements. The costs associated with the program management and reporting required to manage the requirements of PWS Section 1.5 for IDIQ-level management will be proposed at the TO level. The Contractor is authorized to include an indirect or direct cost/price on individual TOs based on their acceptable accounting practices for performing contract-level program management and marketing (i.e., fulfilling the requirements of this Section 1.5) of the overall IDIQ contract.

1.5.1.2 The Contractor shall manage all aspects of work associated with providing services to the Government under this contract and any associated TO orders. At a minimum, the Contractor shall:

- a. Respond to, execute, and manage a large volume of TOs effectively.
- b. Manage employees and performance associated with any issued TO order.
- c. Maintain a capable and stable workforce (recruit, retain, and replace qualified employee with appropriate security clearances), to include reach back capability as necessary.
- d. Ensure that new/replacement personnel, including any key personnel if specified, meet or exceed the qualifications stated in the original TO proposal.
- e. Develop and maintain a customer-oriented philosophy, create an environment that improves employee performance, solves programmatic issues and delivers high-quality performance.
- f. Respond to Contracting Officer (CO), Government Program Manager (PM) or Deputy Program Manager (DPM), and Contracting Officer Representative (COR) requests in a timely manner.
- g. Identify, mitigate, and manage organizational conflicts of interest and other performance risks.
- h. Document and notify the Government of actual or potential Contractor program management problems and/or performance deficiencies. Perform corrective actions for all identified Contractor program management problems and/or deficiencies IAW time frames specified by the CO.
- i. Develop and submit all required information and deliverables in accordance with individual TO requirements and timelines (to include the final technical report).
- j. Plan, control, monitor, and report cost, schedule and performance metrics.
- k. Actively market/promote the IAC MAC in accordance with the Contractor's acceptable Marketing Plan (submitted prior to contract award as part of the Contractor's proposal), and in accordance with the initial TO(s) issued under the contract for starting the implementation of the acceptable Marketing Plan. The Contractor's acceptable marketing plan will be incorporated into the first TO (aka "Program Management/Management Reporting" order) issued at time of contract award and will form the basis for the first TO. This TO will be issued on behalf of, and funded by, the DTIC IAC-PMO. The initial TO will satisfy the Indefinite Delivery/Indefinite Quantity minimum ordering guarantee for each contractor.

1.5.1.3 The Contractor shall continually monitor the cost and performance of applicable TOs awarded under this contract. The Contractor shall immediately notify the CO of any problems noted. The Contractor shall provide any additional cost and schedule information as requested by the CO to support TO performance. The Contractor shall provide this information in the Monthly Contract Cost Tracking Report (CDRL A001).

1.5.1.4 The Contractor shall provide the technical approach and expertise, organizational resources, and management controls necessary to meet the cost, performance and schedule requirements specified herein and in any resultant TO during the period of performance of this contract and/or applicable TO order. The Contractor's performance in meeting contract requirements will be evaluated by the Government using the performance data collected in accordance with PWS Section 2 and the ratings assigned to it for this contract in the Contract Performance Assessment Reporting System (CPARS).

Prime Contractors shall maintain throughout the duration of the contract period of performance, a certification for at least one of the following four certifications:

- 1) Capability Maturity Model Integration (CMMI) Level III (in either Development or Services) OR

- 2) A certification that is valid and current within the ISO 9001 Quality Certification standards OR
- 3) A certification that is valid and current within the ISO 27001 family of Information Technology Security standards OR
- 4) A certification that is valid and current for AS9100D.

1.5.1.5 The IAC Basic Center Operations centers serve as the DoD facility for collection, processing, management, analysis, and dissemination of DoD STI, including STI generated as a part of the IAC MAC TO effort. The IAC MAC Contractor shall allow free use and access among all IACs to all information generated under this contract or any associated TO subject to the limitations posed by the RA for which the TO work was performed. All IAC MAC generated or collected STI (e.g. Final Technical Report and other technical data thereto) shall be provided to the COR and/or TO Alternate Contracting Officer's Representative (ACOR) for inclusion in the DTIC STI repository. The DTIC PMO will coordinate with the RA for release of such data and/or information. This will be further defined per TO.

1.5.2 Reporting Requirements

1.5.2.1 General. The reporting requirements listed below will enable the IAC PMO to track and manage the overall IAC MAC vehicle and fulfill the mission of the IAC program. Some data items also serve the dual purpose of enabling RAs to oversee and manage their individual TOs. Additional data requirements, including both STI and non-STI, will be established in individual TOs. The contract-level reports listed below, unless otherwise stated, shall comprise a summation of data for all TOs awarded to the Contractor under the IAC MAC.

1.5.2.2 Contract-Level Deliverables

1.5.2.2.1 Monthly Contract Cost Tracking Report (CDRL A001). This report is a roll-up of all the Contractor's TOs and shall provide cumulative totals for each TO. The report shall include as a minimum: List of all open/closed TOs with an abbreviated title of requirement, RA, start and end date, ceiling value, funded level, amount expended, percent expended, obligated balance, total dollars awarded to all subcontractors, total dollars awarded to small business subcontractors, performance schedule status, Security Clearance requirements, TO status (open or closed by Contracting Officer), total Full Time Equivalents (FTE), and change of FTEs during the period (plus or minus). Template for submission is embedded in the Contract Data Requirements List (CDRL) provided in Section J. As of 30 September (Government fiscal year end), the Contractor shall submit the report providing a summation for the fiscal year. These reports shall be submitted via email to the CO and the DTIC-I COR.

1.5.2.2.2 Redacted IAC MAC and Redacted TOs (CDRL A002). To support transparency of Government contracting the Contractor shall provide a redacted copy of the awarded IAC MAC basic IDIQ contract appropriate for public release, which the Government intends to post to a public web site. Additionally, for each TO awarded, the Contractor shall provide a redacted copy of the order appropriate for public release, which the Government also intends to post to a public website.

1.5.2.2.3 Electronic Subcontract Reporting System (eSRS) (large businesses only) (CDRL A003). The Contractor shall submit electronic individual subcontract plan reports as required pursuant to FAR Clause 52.219-9, Alternate II, Jan 2017. In the form under "SUBCONTRACT AWARDS" section "13. Remarks" the Contractor shall input the actual cumulative of total funds obligated and the actual cumulative of total funds obligated to small business(es) on all task orders in whole dollars for the Fiscal Year and for the total cumulative basis of the contract with the corresponding small business subcontracting percentage as a percentage of the actual cumulative funds obligated for the Fiscal Year reported and for the total cumulative basis for the contract.

1.5.2.2.4 Monthly Metrics Report (CDRL A004). The Contractor shall obtain feedback on the quality, timeliness, and overall utility of its IAC MAC products and services from IAC MAC RA customers. The Contractor shall submit a monthly electronic report that will include, as a minimum: List of technical reports/deliverables submitted to the Government; number of training, symposia, seminars, or similar events; brief summary of activities completed during the period; number of attendees at training or similar events; customer satisfaction & surveys and IAC MAC marketing activities completed that period. The report is a roll-up of activity on all the Contractor's TOs. Template

for submission is embedded in the CDRL provided in Section J. The report shall be submitted via email to the Contracting Officer and DTIC-I COR.

1.5.2.2.5 Quarterly STI Assessment Report (CDRL A005). The Contractor shall report all STI: 1) required by each TO, 2) produced on each TO and 3) Uploaded to DTIC for all TOs awarded to it. All TOs are reported on in the same deliverable report, using the template for submission embedded in the CDRL provided in Section J.

1.5.2.2.6 Task Order (TO) Success Stories (CDRL A006). The DoD IACs Success Stories are a compilation of information submitted by the IAC MACs Contractors' Technical Area Task (TO) Program Managers for posting on the DoD IACs public website. Each Success Story will detail the Contractor's most significant accomplishments (drawn from any of its active TOs) for the previous quarter. The DoD IACs PMO requires regular input from the IAC MACs Contractors to the Success Stories. Once submissions are reviewed and approved by the DoD IACs PMO, they will be forwarded to the Defense Technical Information Center's (DTIC's) Public Affairs Officer for final approval and subsequently posted on the DoD IACs public website. Procedures for submission are in the Standard Operating Procedures (SOP) "Success Stories Section", embedded in the CDRL provided in Section J.

1.5.2.3 TO-Specific Deliverables

1.5.2.3.1 DTIC STI Repository & Non-STI Deliverables (CDRL A007). Contract data item CDRL A007 establishes the Government's contractual requirements and authority to direct the Contractor to deliver data items, both STI and non-STI to the Requesting Activity (and STI only to DTIC, via the IAC BCO), that will be specified in the PWS of individual TOs, but are not known at time of award of the IAC MAC and therefore are not listed within this contract PWS. The Contractor agrees to deliver any and all data items and other deliverables identified in individual TOs awarded to the Contractor, even if such data items are not listed in this section, nor listed in the CDRLs in Section J. Ordering offices are not authorized to require an RA to include additional forms DD1423 and DD1664 in individual TOs. All TO-specific data deliverable requirements that are not specifically listed in this contract PWS Section 1.5, whether STI or not, shall reference CDRL A007 as the data item authority. CDRL A007 is the only CDRL that authorizes the Government to require TO-specific data items that are not listed in this Section 1.5 and is the only CDRL that will be referenced in TOs for such data items. All data deliverable format and content requirements for TO-specific STI that are not listed in this Section 1.5 will be described in the TO PWS. DD1664 Data Item Descriptions for such data deliverables shall not be used on any TO unless specifically first requested by the RA and agreed to by the TO Ordering Officer and the cognizant IAC MAC Contracting Officer.

1.5.2.3.2 TO Post-Award Orientation Slides (CDRL A008). Contractor's format is acceptable. Submit electronically in accordance with TO PWS. Covers requirements, roles/responsibilities, and cost/schedule/performance. Due no later than 7 days after post-award orientation meeting.

1.5.2.3.3 Program Management Plan (CDRL A009): TO specific deliverable prepared IAW TO PWS requirements. Submitted electronically. Blocks 10/11/12/13: Submit initial Plan 15 days after TO award. When new taskings are received, update Plan within 15 days of tasking.

1.5.2.3.4 Monthly Status Report (MSR) (CDRL A010). The Monthly Status Report will report on TO cost, schedule, and performance against PWS requirements, providing information at the TO level. The individual TO PWS may state specific MSR format, content and delivery requirements. Specific MSR format, and additional content not specified in this section, shall be mutually agreed upon by the contractor and ACOR; this should be established no later than the Post-Award Orientation. Template for submission is embedded in the CDRL provided in Section J.

1.5.2.3.5 TO-Specific Annual Gap Analysis (CDRL A011). The Contractor shall maintain close coordination with BCO personnel/resources, to ensure TO performance builds on the breadth of the BCOs' knowledge bases. TO performance provides an opportunity to validate BCO research and STI in a specific, operational context. Further, TO operational requirements provide real-time assessment of areas where STI is most needed.

At the TO Post Award Orientation, the Contractor will receive from the COR of the affiliated BCO a pre-award STI Literature Search completed prior to TO award. The BCO performing the search will be the BCO most closely

affiliated with the scope of the TO as determined by the COR. This report will document technical documents (and other STI resources) relevant to the work being performed under the TO. It will identify, by PWS task, the STI (gathered from DTIC databases, and other sources) that is already available to shed light on the challenge(s) presented in each PWS task. The TO Contractor will build on the knowledge provided by the Literature Search in performing the TO work. In the TO Specific Annual Gap Analysis, the TO Contractor shall, for each search term provided on the pre-award Literature Search, identify gaps in the knowledge base that surfaced in the course of performing the TO work, e.g., the task required information on XYZ, but the literature search did not turn up STI on XYZ. These "STI Gaps" will identify to the BCO(s) where they need to focus their knowledge collection efforts in the future. The BCOs are uniquely positioned to identify trends in knowledge gaps as they will receive gap analyses across multiple TOs. Template for submission is embedded in the CDRL provided in Section J.

1.5.2.3.6 Final Technical Report (FTR) (CDRL A012). For each TO, the Contractor shall provide two detailed technical reports to include task background, objectives, assumptions, specific data collected, analyses conducted, conclusions and recommendations. Each report shall be delivered to the Requiring Activity (RA) ACOR and COR. Under authority of the RA, (when an unclassified document or a classified document) with approval by the COR, each TR shall have a Distribution Statement in accordance with DoD Directive 5230.24, 'Distribution Statements on Technical Documents. Every effort will be made to avoid utilizing Distribution F (Further Distribution Only As Directed By The Requiring Activity Identified In The PWS For Each Individual Task Order). However, if sensitive internal information is contained in the TR, a sanitized version of the TR shall be created for distribution within DoD (Distribution D) and inclusion in the DTIC Database (STI repository). If the TR is CLASSIFIED, the COR and RA will review the document for appropriate security markings IAW DoD Security Guidelines and will also have an appropriate distribution statement assigned. The Contractor shall submit an UNCLASSIFIED abstract (Report Documentation Forms, Standard Form 298) of every TR (i.e., all TO report deliverables) for all TRs containing classified information. The COR will be responsible for coordinating and submitting documents to the IAC BCO centers for inclusion in the DTIC Database. The first report will be due after 30 months for an order with a period of performance of sixty months with or without options. Only one final report is required for any period of performance that is less than 30 months. The final report is due no later than 45 days prior to the last date of the order's period of performance.

1.5.2.3.7 Contract Manpower Reporting (CMR) (CDRL A013). The Contractor shall report ALL Contractor labor hours (including subcontractor, independent consultant and wholly owned subsidiary labor hours) required for the performance of services provided under this contract via a secure data collection site. The Contractor is required to completely fill in all required data fields at <http://www.ecmra.mil>. Reporting will be at the order level and must be reported according to the Requiring Activity of the order.

Reporting inputs will be for the labor executed during the period of performance for each Government Fiscal Year (FY), which runs 1 October through 30 September, while the order remains active. While inputs may be reported any time during the FY, all data shall be reported no later than 31 October* of each calendar year. Contractors may direct questions to the Contract Manpower Reporting Application help desk.

***Reporting Period:** Contractors are required to input data by 31 October of each year.

Uses and Safeguarding of Information: Information from the secure web site is considered to be proprietary in nature when the contract number and Contractor identity are associated with the direct labor hours and direct labor dollars. At no time will any data be released to the public with the Contractor name and contract number associated with the data.

User Manuals: Data for Air Force service requirements must be input at the Air Force CMRA link. However, user manuals for Government personnel and Contractors are available at the Army CMRA link at <http://www.ecmra.mil>

1.6 General Information & Administration

1.6.1 Publications and References. Applicable publications, directives, handbooks, and standards provide guidance and direction in performance of the requirements. Applicable publications, directives, and/or standards, in addition to those listed in Section J, Attachment 2, will be specified within each TO and the Contractor shall comply

with the most current version of any applicable document. Unless otherwise specified the issue of these documents are those listed in the effective Department of Defense Index of Specifications and Standards, maintained on-line at <http://www.dtic.mil/whs/directives/>. In the event of a conflict between this PWS and any document referred to herein or in any TO issued under this contract, the requirements of this PWS shall prevail unless the document is mandated by law. The Contractor shall be responsible for notifying the CO in writing within 30 days of publication revisions/changes/supplements if there is any impact on the scope of work to be performed under this contract or order hereto.

1.6.1.1 Directive/Guidance Documents. The terms “directive” and “guidance” shall be defined as follows:

1.6.1.1.1 Directive Publication. Compliance with directive publications by the Contractor is mandatory. If a directive publication requires compliance with one or more publications or parts of other publications, the referenced publication(s) shall be applicable to the Contractor as it applies to the original directive.

1.6.1.1.2 Guidance Publication. Provides information and guidance for the Contractor to perform a particular job or carry out an operation in a manner compatible with the applicable procedure.

1.6.2 Documentation and Data Rights.

1.6.2.1 Documentation developed or acquired may include existing data only if such data has been provided to the Government with unlimited data rights as defined by DFARS clause 252.227-7013, Rights in Technical Data-- Noncommercial Items or DFARS clause 252.227-7014, Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation, as incorporated in Section I. The Contractor may choose to document its own, subcontractors, and vendors existing commercial off-the-shelf (COTS) hardware; however, the Contractor must comply with the requirements in DFARS 252.227-7013 and DFARS 252.227-7014, and notify the Contracting Officer prior to committing to the use of privately developed items, components, processes or computer software to be delivered with other than unlimited rights. If at any time documentation with other than unlimited rights is proposed for delivery under this contract, the Contracting Officer reserves the right to negotiate the minimum technical data rights required under this contract.

1.6.2.2 The Contractor shall be required to allow free use and access among all IACs to all information generated under this contract subject to the limitations imposed by the RA for which the TO work was performed. The Government will coordinate with the RA for release of such data and/or information. STI generated and/or developed exclusively with Government funds will be made available for distribution by the Government under the Rights in Technical Data Clause, DFARS 252.227-7013. The Government holds unlimited rights to the distribution of the material as stated in DFARS 252.227-7013.

1.6.2.3 The Government may require additional CDRL(s) on a given TO. These CDRLs may include a Data Accession List (DAL) that may in turn include rights in Commercial Technical Data (TD), Commercial Computer Software (CD), and Commercial Computer Software Documentation (CSD). A secure Integrated Data Environment (IDE) for hosting all technical data and computer software used or produced in the performance of a TO shall be used when developing Open System Architecture (OSA) and corresponding components. The following may be specified at the TO level.

1.6.2.3.1 Deliver all software and hardware developed, modified, enhance, assembled, or acquired to the Government.

1.6.2.3.2 Deliver all software developed to the Government in the form of source and object code.

1.6.2.3.3 Deliver all software in a maintainable and modifiable format with no reliance on any non-delivered computer program or documentation.

1.6.2.3.4 Make arrangements for licensing and maintenance agreements for all software and hardware purchased or licensed to be transferred to the Government.

1.6.2.3.5 Design and develop all computer software using an approved language. The language selected shall consider system interface, interoperability, communications functions, human interface, and requirements for security, safety, and reliability. Design the software to make use of existing software and for subsequent reuse to the maximum feasible extent.

1.7 Security Requirements

1.7.1 General. Access to classified information will be limited to the subject fields of interest evidenced by the scope of the TO PWS. The Contractor shall handle any classified information required to perform its tasks in conformity with established DoD security regulations, including DoD 5220.22-R, the DoD Industrial Security Regulation, and DoD 5220.22-M, National Industrial Security Program Operating Manual.

1.7.2. Personnel & Facility Clearance Security Qualifications. Security qualifications include the following:

a. All Contractor personnel shall comply with the provisions of DoD 5220.22M, National Industrial Security Program Operating Manual, current edition, (hereafter known as the NISPOM) and DoD Instruction 5200.01, "DoD Information Security Program and Protection of Sensitive Compartmented Information," Apr 16 (or current version if updated or superseded).

b. The Prime Contractor shall possess a minimum Interim Top Secret Facility Clearance. Each partner of a Joint Venture Prime Contractor must possess a minimum Interim Top Secret Facility Clearance at proposal. A Joint Venture Prime Contractor or a Prime Contractor awardee with a minimum Interim Top Secret Facility Clearance will have 150 days from award to acquire a minimum Top Secret Facility Clearance. Specific security clearance requirements applicable to individual TOs will be specified on a TO-specific DoD Contract Security Classification Specification (DD Form 254) included in each TO, completed and approved by the RA's cognizant Security Officer and in accordance with the RA's security policies and procedures. Unclassified TOs do not require a facility clearance issued by the Defense Security Service (DSS) nor a TO-specific DD Form 254. Individual TOs may require Contractor employees to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system. Security clearances for Contractor employees, including Subcontractor employees, performing on individual TOs may require Confidential, Secret, Top Secret, Agency-Specific Clearances, and/or Special Background Investigations for Sensitive Compartmented Information or Special Access Programs. The Contractor shall fully cooperate on all security checks and investigations by furnishing requested information to verify the Contractor employee's trustworthiness and suitability for the position. The Contractor shall be required to safeguard information at the level specified in the DD Form 254 in this contract and/or the TO. Collection and use of unclassified, unclassified but limited distribution, and classified (foreign and domestic) information in the performance of this PWS is authorized as long as all security regulations and restrictions are adhered to.

c. The Contractor shall be required to provide employees who already possess the appropriate security clearance level for all TOs. The planned utilization of non-U.S. Citizens in TO performance must be identified by name and country of citizenship in the TO proposal. Foreign Nationals shall not be allowed access to Classified or Critical Program Information unless approved on a case-by-case basis by DSS.

d. Any costs incurred for clearances shall be done at the Contractor's expense and shall not be allowed as direct cost against this contract. The Contractor is responsible for providing and maintaining personnel with the appropriate security clearances to ensure compliance with Government security regulations, as specified in the individual TO.

e. DSS has security inspection responsibility for Top Secret information and retains responsibility for all classified information released or developed under the contract and held within the DoD Contractor's facility. The Government has full and complete control over granting, denying, withholding or terminating security clearances for employees. The granting of a clearance shall not prevent, preclude, or bar the withdrawal or termination of any such clearance by the Government.

1.7.3. Protection of Government Systems/Information. The Contractor shall be responsible for safeguarding all Government information or property provided for Contractor use. At the close of each work period, Government information, facilities, equipment and materials shall be secured as specified.

1.8 Publishing Requirements

1.8.1. Marking of Products.

a. The Contractor shall comply with DFARS 252.235-7010, "Acknowledgment of Support and Disclaimer". All information products prepared and published by the IAC MAC Contractor shall contain a Distribution Statement in accordance with DoD Directive 5230.24, 'Distribution Statements on Technical Documents,' on the cover page of a report or document, on the media case containing information in electronic format, and on the opening screens of any computer or visual display. All information products shall also include proper unclassified and classified markings in accordance with DoD Directives.

b. All items published and/or furnished by the IAC MAC Contractor shall reflect that the products were prepared in part, or wholly, as the case may be, under the auspices of the DoD IAC program and will include the IAC MAC number and distribution statement. Items shall also include the statement that the work effort was sponsored by the Department of Defense Information Analysis Centers.

c. The Contractor further agrees to include this requirement in any subcontract awarded as a result of this contract.

1.9 Place of Performance. The place of performance will be specified in each TO. The Contractor shall provide all facilities, including office space, which includes classified and unclassified storage, utilities, materials, equipment (including all computer hardware) and any other property necessary and sufficient for any TO not taking place onsite at a Government location, unless otherwise specified in the TO.

1.10 Pricing TOs. A Government-developed Cost/Price Table will be provided to the prime contract holders and shall be used for each TO, unless otherwise specified in the TO.

1.11 Designation of COR(s)/ACOR(s)

a. The Contracting Officer's Representative (COR) or CORs for this contract shall be appointed in writing by the Contracting Officer. An Alternate COR (ACOR) from the requiring activity will also be appointed for each individual TO.

b. The COR(s) and, for each TO, the appointed ACOR are responsible for Government oversight and surveillance of Contractor performance and shall be contacted regarding questions or problems of a technical nature. In no event shall any understanding or agreement, modification, change order, or other matter deviating from the terms of subject contract between the Contractor and any person other than the Contracting Officer be effective or binding upon the Government.

c. On all matters that pertain to contract terms, the Contractor will contact the Contracting Officer. When, in the opinion of the Contractor, the COR/ACOR or Requiring Activity requests effort outside the existing scope of the order or contract, the Contractor will promptly notify the Contracting Officer in writing. No action will be taken by the Contractor under such request unless and until the Contracting Officer has issued a contractual modification.

1.12 COMSEC Notice. All communications with DoD organizations are subject to communications security (COMSEC) review. Contractor personnel shall be aware that telecommunication networks are continually subject to intercept by unfriendly intelligence organizations. The DoD has authorized the military departments to conduct COMSEC monitoring and recording of telephone calls originating from, or terminating at, DoD organizations.

1.13 Contractor Identification Requirements & Performance of Work on Government Premises.

Contractor personnel performing services on Department of Defense installations or other Government facilities shall ensure that they are readily identifiable as Contractor employees. The Contractor shall be required to contact the TO ACOR to obtain the necessary base entry procedures.

a. Contractor employees shall:

- 1) Identify themselves as Contractor personnel at the onset of every telephone call made from a Government telephone or any other phone if the call is made in support of any service provision to the Government;
- 2) Identify themselves as Contractor personnel in all recorded messages including those which are heard by callers attempting to contact Contractor employees via answering machines or voice mail;
- 3) Identify themselves as Contractor personnel at the onset of every meeting, conference or any other gathering attended in support of any service provision to the Government;
- 4) Identify themselves as Contractor personnel on any correspondence, documents or reports accomplished or sent in support of any service provision to the Government, including but not limited to, correspondence sent via the U.S. Mail, facsimile or electronic mail (email) inclusive of “out-of-office” replies;
- 5) Wear or display Contractor provided nametags, badges or attire which display, at a minimum, the name of the Contractor.
- 6.) All contractor employees shall have a non-disclosure agreement on file signed by the individual and by a responsible official of their employing company.

b. Any work under this contract which is performed by the Contractor or any of its subcontractors on premises under Government control is subject to all requirements of this contract governing such work, and the following:

- 1) All Contractor and subcontractor personnel shall, at all times, conspicuously display a distinctive badge provided by the Contractor, identifying such personnel as employees of the Contractor and shall observe and otherwise be subject to such security regulations as are in effect for the particular premises involved.
- 2) All Contractor and subcontractor personnel shall be easily recognized by wearing Government provided security badges while working in a U.S. Government facility.
- 3) The Contractor shall provide direct supervision of its own employees but shall not supervise Government personnel or accept a supervision role from any Government personnel.
- 4) The Contractor shall designate in writing, an on-the-premises representative to serve as point of contact for the Contractor to the Contracting Officer or their duly authorized representative.
- 5) All Contractor and subcontractor employees shall dress appropriately for a professional work environment.

1.14 Permits and Responsibility for Work. The Contractor shall, without additional expenses to the Government, obtain all licenses, certifications, and permits required for the performance of work.

SECTION 2 -- SERVICES SUMMARY

The Government will evaluate performance of the services listed in the services summary (SS) table 2-1 below to determine if it meets the performance thresholds. CORs will follow the methods of surveillance specified in the Government’s Quality Assurance Surveillance Plans (QASPs) record surveillance observations, and when the proper level of performance is not met, the CO will issue a Corrective Action Request (CAR). When the Government makes an observation that indicates defective performance, the COR will require the Contractor representative to initial the observation(s). The contractor initialing the observation does not necessarily constitute concurrence with the observation, only acknowledgment that they have been made aware of the defective performance. A QASP will be developed for each individual task order. Each task order will establish performance objectives and measures in the order-level PWS. Performance evaluations made pursuant to this section will contribute to the Government’s CPARS evaluations.

SERVICE SUMMARY TABLE 2-1

PERFORMANCE OBJECTIVE	PWS	PERFORMANCE MEASURE
Customer Satisfaction	All Sections	Contractor receives less than 2 formal customer complaints / corrective action requests during the ordering period in effect (received at either the TO or IDIQ contract level). Contractor successfully resolves complaints within 14 days of receipt 100% of the time.

IDIQ Contract-Level Management Requirements	1.5	Effectively accomplishes the IAC MAC IDIQ contract level management and minimum requirements stated in PWS paragraph 1.5.1.2.
Reporting Requirements	1.5.2	All reports submitted are 95% complete on the date specified for delivery.
Security Requirements	1.7	All security requirements are met 100% of the time.
Small Business Subcontracting Requirements	Section J, Small Business Subcontracting Plan	Contractor meets or exceeds the goals established in its approved Small Business Subcontracting Plan (applicable to non-Small Business prime Contractors only)

SECTION 3 -- GOVERNMENT PROPERTY

3.1 General Information. The Contractor shall ensure accurate control and accountability of all assigned Government Property (GP) in accordance with FAR Part 45 and Defense Federal Acquisition Regulation Supplement (DFARS) Part 245 and as stated in individual TOs. IAW FAR 45.101, Government Property means:

“All property owned or leased by the Government. Government property includes both Government-furnished property and Contractor-acquired property. Government property includes material, data, equipment, special tooling, special test equipment, and real property. Government property does not include intellectual property and software.”

Government property that is Government-furnished (i.e., Government furnished equipment, Government furnished materials, Government furnished information and Government furnished facilities) will be specified, to the extent known at time of TO award, in the individual TO. All Government data will be restricted from use by the contractor for other than its intended purpose and shall not be used by the contractor's personnel for any purpose other than lawful contract execution. All contractor employees shall have a non-disclosure agreement on file signed by the individual and by a responsible official of their employing company.

SECTION 4 -- OTHER TERMS AND CONDITIONS

4.1 Organizational and Consultant Conflicts of Interest (OCI)

4.1.1 There is a potential for organizational conflicts of interest (OCIs) under this contract. An OCI will be present when an IAC MAC prime Contractor or subcontractor also holds one or more IAC Basic Center Operations (BCO) contracts. The Government is avoiding this risk entirely by not allowing a BCO prime Contractor to also be a prime/subcontractor on this IAC MAC IDIQ contract. Another conflict may be present when an IAC MAC prime Contractor or subcontractor is also a subcontractor to a BCO contract. As OCIs are identified in the course of awarding (1) this IAC MAC, (2) task orders under this contract, or (3) BCO contracts, the Contracting Officer shall take action to avoid, mitigate, or neutralize such OCI as required under FAR Subpart 9.5. The Contracting Officer's actions may include, without limitation, restraints on the future activities of the Contractor. The precise details and characteristics of such restraints or other necessary actions shall be determined as specific OCI are identified. The actions to be taken by the Contracting Officer under FAR Subpart 9.5 and DFARS 209.5 shall be open to discussion. Nevertheless, after engaging in good faith discussions, the Contracting Officer shall exercise his or her responsibilities under FAR Subpart 9.5 and DFARS 209.5 at his or her sole discretion, regardless of whether agreement is reached with the Contractor.

4.1.2 OCIs may also arise under circumstances outside of the operations of the DTIC IAC contracts. Such OCIs may be identified by the Government or the Contractor. The Contractor agrees that if, at any time, the Contractor identifies a potential or actual OCI, the Contractor shall make full disclosure in writing to the Contracting Officer. This disclosure shall include a description of the OCI and the action(s) the Contractor has taken, if any, to avoid, mitigate, or neutralize the OCI. The Contracting Officer may require the Contractor to prepare an OCI risk

mitigation plan to avoid, mitigate, or neutralize the potential or actual OCI. Whenever an OCI is identified, the Contracting Officer shall take action in the same manner described in the paragraph immediately above.

4.1.3 The Contractor further agrees to insert a provision with substantially the same OCI language stated above in all subcontracts awarded in relation to IAC MAC efforts. Any restraints required by the Government shall be imposed in accordance with the provisions of FAR Subpart 9.5, with particular attention to FAR 9.507-2.

4.2 Period of Performance for Contract and TOs.

The maximum potential ordering period of the basic IDIQ contract, if all options are exercised, is nine years from the effective date of the contract award, and may be extended for a period of up to six additional months pursuant to the Option to Extend Service clause (FAR 52.217-8). TOs may be issued during the ordering period of this contract and shall be completed within the timeframe stated in the order. A task order period of performance, including any option periods that may be exercised after the end of the IDIQ contractor ordering period, may not extend more than 60 months past the end date of the overall IDIQ contract ordering period. The Government has no obligation to issue any orders beyond the minimum order guarantee to each awardee. A TO may include a period of performance (with or without options) up to but not exceeding a total of 60 months in duration.

4.3 Travel and Other Direct Costs (ODCs)

4.3.1 Travel. Cost Reimbursable travel shall not include a profit or fee bearing cost element: Contractor employees may have occasion under this contract to travel from their regular duty locations to a temporary duty location. Transportation, per diem, and lodging expenses required in the performance of temporary duty shall be reimbursed on a cost reimbursable basis to the Contractor in accordance with FAR 31.205-46 and the DoD Joint Travel Regulations (JTR), excluding profit/fee. Reimbursement for travel shall be limited to those expenses specifically authorized by the above-referenced regulations. Cost estimates shall be based on number of trips, personnel, and location per individual TO. Unless the Government specifies otherwise, the Contractor should use this cost estimate in its overall price proposal. The Per Diem rates are posted on: <http://www.defensetravel.dod.mil/site/perdiem.cfm>.

All travel must be approved by the ACOR prior to purchase or as otherwise directed at the Task Order level.

4.3.2 Other Direct Costs - Materials, Equipment, and Supplies. Cost Reimbursable material can include a profit or fee bearing cost element. Equipment meeting the definition in FAR 45.101 and charged directly to the contract shall not include a profit or fee cost element, as specified in FAR 15.404-4(c)(3). All materials, equipment, and supplies shall be approved in accordance with FAR 52.244-2 and the Contractor must provide to the appropriate approving official adequate detail of proposed purchases for requirements.

4.4 Minimum Task Order Proposal Submittals. Awardees must participate actively in the IAC MAC vehicle by submitting at least one TO proposal per year in response to the Fair Opportunity Proposal Requests (FOPRs) released in the Contractor's Pool(s). If the Contractor holds a contract in more than one Pool, the minimum of one will be for all its Pools combined. Exceptions to this requirement may be made by the Contracting Officer if the Contractor is able to provide a justifiable rationale for why it was not possible to meet this requirement. A "year" will be measured from the contract award date through one year thereafter, and each year subsequent to that period.

4.5 Small Business Participation Goals. For large businesses only, work in good faith to meet or exceed the small business subcontracting goals established in the Contractor's Small Business Subcontracting Plan as a percentage of dollars obligated. For Pool1 Unrestricted Full and Open a goal of 13% of total dollars obligated. In evaluating small business subcontracting achievements, the Government will measure subcontracting performance on an annual basis (based on Fiscal Year to align with the Governments Annual Execution Reports and the Contractors eSRS submission) on all combined TOs awarded to the subject Contractor as a percentage of total dollars obligated during the evaluation period (Fiscal Year) and on a total cumulative basis. The Government will obtain data from the Contractor's eSRS reports and the Monthly Contract Cost Tracking Report deliverable A001 and the data will be assessed by the Government and the results will be reflected in an annual assessment using the Contractor Performance Assessment Reporting System (CPARS).

4.6 On Ramps

4.6.1 The Government reserves the unilateral right to reopen competition or “On-Ramp” additional Contractors in any competition Pool at any time during the term of the contract. The Government may choose to On-Ramp any number of new awardees when the Contracting Officer determines it is in the Government’s best interest to do so in order to enhance the competitive environment of TO solicitations under the originally awarded IDIQ contracts.

This may be due to any reason, including the lack of robust competition for TOs or a shrinking of the competitive Pool of original effective IDIQ awardees under this solicitation.

4.6.2 When an On-Ramp is used, the Government will advertise the reopening of the competition on www.FedBizOpps.gov, and awardees shall meet the criteria established in the initial IAC MAC solicitation for the respective Pool; this includes all evaluation criteria for that Pool. The evaluation and selection of awardees for any On-Ramp will be based upon substantially the same evaluation and award criteria used for the IAC MAC initial basic contract awards for the respective Pool. The anticipated number of awards for any Pools of competition will be announced in the reopening announcement posted to FedBizOpps. Any new awardees will compete with any existing or remaining Contractors for all task orders in the appropriate competition Pool.

4.6.3 The reopened solicitation may contain additional or updated clauses that were revised since the initial solicitation. In the event an “On-Ramp” is used, Contractors with existing contracts within the applicable competition Pool will be notified of any clause additions or updates which will be incorporated via a bilateral modification.

4.6.4 Any additions due to On-Ramps will be co-terminus with the existing term and not impact the contract maximum ordering ceiling and the ordering period for new awardees and will not exceed the overall maximum term of the original ID/IQ contract, including options (i.e., will not extend past the dates established at initial award).

4.6.5 The Government will not consider unsolicited requests for addition to any competition Pools.

4.7 Off Ramps

4.7.1 The Government reserves the unilateral right to Off-Ramp non-performing Contractors. Contractors that are Off-Ramped will not be eligible to compete for new TOs in the Pool in which they are Off-Ramped, but will be required to continue performing active task orders until the period of performance of such orders ends. The Off-Ramp process under an IDIQ contract encompasses several methods by which the Government may exercise its right to remove a Contractor from a Pool of contract awardees. Examples of non-performance, includes, but is not limited to: 1) A Contractor does not meet minimum requirements for participating in task order competitions as described in PWS paragraph 4.4, 2.) A Contractor does not meet the small business subcontract goals established in PWS paragraph 4.5 and their Small Business Participation Plan, or 3) Unsatisfactory CPARS rating(s).

The Off-Ramp methods include, but are not limited to:

- (1) Contracting Officer determines that exercising an Option is not in the Government’s best interest, therefore the Government would allow the Contractor’s contract term to expire.
- (2) Debarment, suspension, or ineligibility as defined in FAR Subpart 9.405-1, 9.405-2
- (3) Termination as defined in FAR Part 49.402, 49.403

4.8 Cross Teaming.

4.8.1 Cross-teaming. A teaming arrangement in which prime Contractors participate as a subcontractor/team member with another Prime or team member/subcontractor and/or subcontracts/teams with more than one prime Contractor. Contractors may, for example, compete as the Prime for one team and a subcontractor for another team. FAR Subpart 9.6 notes that Contractor team arrangements can benefit the Government by enhancing capabilities, performance, cost, and delivery factors. These arrangements can provide significant business benefits to the teaming partners, such as enhanced system and subsystem capabilities, a more substantial and relevant past performance record and greater diversity, and ability to meet small business preferences and goals. It is the Government's policy

to recognize the integrity and validity of Contractor team arrangements and to not restrict the market provided the arrangements are identified and company relationships are fully disclosed in an offer, or for arrangements entered into after the submission of an offer, before the arrangements become effective.

4.8.2 Joint-Ventures (JV); will be allowed under this acquisition, FAR 4.102(d) applies. A JV shall state if they are incorporated or unincorporated, populated or unpopulated and be recognized by law in the state where it is created and be acceptable when applicable as an appropriate legal entity by the Small Business Administration (SBA). The Government views JVs the same as a Prime awardee.

4.8.3 Mentor/Protégé (MP); will be allowed under this acquisition, under the rules set forth in 13 CFR 124.520.

4.8.4 The Government may request procedures as referenced in FAR 42.12, Novation and Change-of-Name Agreements, be implemented and may suspend a Prime Contractor team or individual subcontractor from the contract team until all contract administration procedures are completed.

4.8.5 Post-award management of teaming, subcontracting, JV and MP agreements. See Clause 52.244-2 – Subcontracts, that is incorporated by full text in this contract. The Government will recognize on this acquisition the Contractors approved purchasing system for subcontracting.

SECTION 5 -- ORDERING PROCESS

5.1 Pools Awarded

The Contractor has been awarded a contract for participation in Pool 1 – Unrestricted/Full and Open Competition.

All Contractors awarded a contract in Pool 1 will be given a fair opportunity to compete for Task Orders issued in Pool 1 above \$15M dollars and based on the Independent Government Cost Estimate (IGCE), unless the order includes requirements for Chemical, Biological, Radiological & Nuclear (CBRN) Laboratories or the order is excepted from fair opportunity competition in accordance with FAR 16.505(b) and DFARS 216.505. No order competed under Pool 1 will be set-aside for exclusive small business participation (nor for any small business socio-economic program sub-category such as service disabled veteran owned or woman-owned) even if there are two or more such small businesses likely to submit acceptable, reasonably priced offers for orders released in Pool 1. A Pool 1 Contractor that changes its size status to small business during the ordering period of this contract, as a result of the re-representation process described at FAR 19.301-3, will not be authorized to off-ramp from Pool 1 to Pool 2. It will be permitted to complete performance on TOs already awarded to it (including exercise of TO options not yet exercised) and will be permitted to propose on additional Fair Opportunity proposal requests (FOPRs) released for Pool 1, unless a Pool 1 Contractor is removed under the Off-Ramp procedures detailed in Section 4.

5.2 General Ordering Process for TOs:

5.2.1 The ordering process for TOs is documented in the Ordering Guide in Section J. This Guide may be unilaterally updated by the IAC PMO over the life of the contract as needed. In case of any conflict between the Ordering Guide and the contract PWS, the PWS shall take precedence. Updated procedures will be distributed to the IAC MAC Contractors.

5.3 Authorized Ordering Offices

5.3.1 The following Ordering Offices may solicit, award and administer orders against this contract. This list is subject to change. The primary ordering office is AFICA/KD. All authority to issue orders against this contract will be delegated by AFICA/KD:

a. Primary Ordering Office and Contracting Office for the IAC MAC:
Air Force Installation Contracting Agency/KD (DTIC IAC Support)

5.4 Individual Task Order Clauses

5.4.1 Individual TOs may require unique clauses (e.g., Prohibition on Contracting with the Enemy in the United States Central Command Theater of Operations, intellectual property clauses, etc.) that are not contained in the basic IDIQ contract. These will be included in the FOPR/TO at the discretion of the Ordering Officer, as long as they do not conflict with the clauses and other terms in the basic IDIQ contract. In the event of any inconsistency between the contract and any TO order, the contract shall take precedence.

SECTION 6 -- PUBLICATIONS AND REFERENCES

See Section J – Issuances Affecting Operation of the DoD IACs. Additional publications and references applicable to individual TOs will be specified in the TO's PWS.

SECTION 7 -- ACRONYMS

Acronym	Meaning
AALAS	American Association for Laboratory Animal Science
ACC	Army Contracting Command
ACOR	Alternate Contracting Officer's Representative
AFICA	Air Force Installation Contracting Agency
ASD R&E	Assistant Secretary of Defense for Research and Engineering
AR	Army Regulation
BCO	Basic Center of Operations
BSL3	Bio-Safety Level 3 Lab
C4ISR	Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
CAR	Corrective Action Request
CBRN	Chemical, Biological, Radiological & Nuclear
CDC	Centers for Disease Control
CDRL	Contract Data Requirements List
CFR	Code of Federal Regulations
CIP	Critical Infrastructure Protection
CMMI	Capability Maturity Model Integration
CMR	Contractor Manpower Reporting
CO	Contracting Officer
COCOM	Combatant Command
COMSEC	Communications Security
COOP	Continuity of Operations
COR	Contracting Officer's Representative
COTS	Commercial-off-the-shelf
CPARS	Contractor Performance Assessment Reporting System
CR/TA	Critical Reviews and Technical Assessments
CS	Cyber Security and Information Systems
CSC	Customer Support Cell
CSDC	DTIC Customer Shared Direct Cost
CSIAC	Cyber Security and Information Systems Information Analysis Center
D&F	Determination and Findings
DFARS	Defense Federal Acquisition Regulation Supplement
DIACAP	Department of Defense Information Assurance Certification and Accreditation Process
DNA	Deoxyribonucleic Acid
DoD	Department of Defense
DoDD	Department of Defense Directive

DoDI	Department of Defense Instruction
DoD-R	Department of Defense Regulation
DoD-M	Department of Defense Manual
DPM	DTIC-IAC Deputy Program Manager
DS	Defense Systems
DSIAC	Defense Systems Information Analysis Center
DSS	Defense Security Service
DTIC	Defense Technical Information Center
EPA	Environmental Protection Agency
FAR	Federal Acquisition Regulation
FDA	Food and Drug Administration
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FOPR	Fair Opportunity Proposal Request
FTE	Full Time Equivalent
FTR	Final Technical Report
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GLP	Good Laboratory Practices
GMP	Good Manufacturing Practices
GP	Government Property
GPS	Global Positioning System
HD	Homeland Defense and Security
HDIAC	Homeland Defense and Security Information Analysis Center
HTML	Hyper Text Mark-up Language
IA	Information Assurance
IAC	Information Analysis Center
IAW	In accordance with
IDIQ	Indefinite Delivery/Indefinite Quantity
IED	Improvised Explosive Device
IGCE	Independent Government Cost Estimate
IO	Information Operations
IS	Information Systems or Information Sharing
ISO	International Organization for Standardization
ISR	Intelligence, Surveillance and Reconnaissance
ISS	Information Support System
IT	Information Technology
JTR	Joint Travel Regulations
KM	Knowledge Management
MA	Mission Assurance
M&S	Modeling and Simulation
MAC	Multiple Award Contract
MIPR	Military Inter-Departmental Purchase Request
MIST	Man-in-Stimulant Test
MSR	Monthly Status Report
NDE	Non-Destructive Evaluation
NISPOM	National Industrial Security Program Operation Manual
NTA	Non-Traditional Agent
NTB	Notes to Buyer
NTIS	National Technical Information Service
O&M	Operations and Maintenance
OCI	Organizational Conflict of Interest
OCONUS	Outside the Continental United States
ODC	Other Direct Cost
OMB	Office of Management and Budget
OPSEC	Operational Security

OSD	Office of the Secretary of Defense
PM	Program Manager
PMA	Program Management Analyst
PMO	Program Management Office
PWS	Performance Work Statement
RA	Requiring Activity
R&D	Research & Development
RDT&E	DoD Research Development Test and Evaluation
RMF	Risk Management Framework
RMQSI	Reliability, Maintainability, Quality, Supportability and Interoperability
SME	Subject Matter Expert
SOP	Standard Operating Procedure
SS	Services Summary
STI	Scientific and Technical Information
STIP	Scientific and Technical Information Program
TAT	Technical Area Task
TO	Task Order
TR	Technical Report
TSCA	Toxic Substances Control Act
WAR	Weekly Activity Report
WMD	Weapons of Mass Destruction
WWW	World Wide Web
XML	Extensible Markup Language

Section D - Packaging and Marking

CONTRACT MINIMUM/MAXIMUM QUANTITY AND CONTRACT VALUE

The minimum quantity and contract value for all orders issued against this contract shall not be less than the minimum quantity and contract value stated in the following table. The maximum quantity and contract value for all orders issued against this contract shall not exceed the maximum quantity and contract value stated in the following table.

MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
1.00	\$3,600.00	50.00	\$28,000,000,000.00

DELIVERY/TASK ORDER MINIMUM/MAXIMUM QUANTITY AND ORDER VALUE

The minimum quantity and order value for each Delivery/Task Order issued shall not be less than the minimum quantity and order value stated in the following table. The maximum quantity and order value for each Delivery/Task Order issued shall not exceed the maximum quantity and order value stated in the following table.

MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
1.00	\$1,000.00	2,000.00	\$1,000,000,000.00

CLIN DELIVERY/TASK ORDER MINIMUM/MAXIMUM QUANTITY AND CLIN ORDER VALUE

The minimum quantity and order value for the given Delivery/Task Order issued for this CLIN shall not be less than the minimum quantity and order value stated in the following table. The maximum quantity and order value for the given Delivery/Task Order issued for this CLIN shall not exceed the maximum quantity and order value stated in the following table.

CLIN	MINIMUM QUANTITY	MINIMUM AMOUNT	MAXIMUM QUANTITY	MAXIMUM AMOUNT
0001		\$		\$
0002		\$		\$
0003		\$		\$
0004		\$		\$
0005		\$		\$
1001		\$		\$

1002	\$	\$
1003	\$	\$
1004	\$	\$
1005	\$	\$
2001	\$	\$
2002	\$	\$
2003	\$	\$
2004	\$	\$
2005	\$	\$
3000	\$	\$
3001	\$	\$
3002	\$	\$
3003	\$	\$
3004	\$	\$

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0001	Destination	Government	Destination	Government
0002	Destination	Government	Destination	Government
0003	Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government
0005	Destination	Government	Destination	Government
1001	Destination	Government	Destination	Government
1002	Destination	Government	Destination	Government
1003	Destination	Government	Destination	Government
1004	Destination	Government	Destination	Government
1005	Destination	Government	Destination	Government
2001	Destination	Government	Destination	Government
2002	Destination	Government	Destination	Government
2003	Destination	Government	Destination	Government
2004	Destination	Government	Destination	Government
2005	Destination	Government	Destination	Government
3000	Destination	Government	Destination	Government
3001	Destination	Government	Destination	Government
3002	Destination	Government	Destination	Government
3003	Destination	Government	Destination	Government
3004	Destination	Government	Destination	Government

CLAUSES INCORPORATED BY REFERENCE

52.246-1	Contractor Inspection Requirements	APR 1984
52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-3	Inspection Of Supplies Cost-Reimbursement	MAY 2001
52.246-4	Inspection Of Services--Fixed Price	AUG 1996
52.246-5	Inspection Of Services Cost-Reimbursement	APR 1984
52.246-9	Inspection Of Research And Development (Short Form)	APR 1984
52.246-16	Responsibility For Supplies	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2008

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0001	POP 30-SEP-2018 TO 29-SEP-2021	N/A	DEFENSE TECHNICAL INFORMATION CENTER DTIC - I 8725 JOHN J. KINGMAN ROAD, STE. 0944 FT BELVOIR VA 22060-6218 703-767-9171 FOB: Destination	HJ4701
0002	POP 30-SEP-2018 TO 29-SEP-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
0003	POP 30-SEP-2018 TO 29-SEP-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
0004	POP 30-SEP-2018 TO 29-SEP-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
0005	POP 30-SEP-2018 TO 29-SEP-2021	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
1001	POP 30-SEP-2021 TO 29-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
1002	POP 30-SEP-2021 TO 29-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
1003	POP 30-SEP-2021 TO 29-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
1004	POP 30-SEP-2021 TO 29-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
1005	POP 30-SEP-2021 TO 29-SEP-2023	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
2001	POP 30-SEP-2023 TO 29-SEP-2027	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
2002	POP 30-SEP-2023 TO 29-SEP-2027	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
2003	POP 30-SEP-2023 TO 29-SEP-2027	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701

2004	POP 30-SEP-2023 TO 29-SEP-2027	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
2005	POP 30-SEP-2023 TO 29-SEP-2027	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
3000	POP 30-SEP-2027 TO 31-MAR-2028	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
3001	POP 30-SEP-2027 TO 31-MAR-2028	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
3002	POP 30-SEP-2027 TO 31-MAR-2028	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
3003	POP 30-SEP-2027 TO 31-MAR-2028	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701
3004	POP 30-SEP-2027 TO 31-MAR-2028	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	HJ4701

CLAUSES INCORPORATED BY REFERENCE

52.242-15	Stop-Work Order	AUG 1989
52.242-15 Alt I	Stop-Work Order (Aug 1989) - Alternate I	APR 1984
52.247-35	F.O.B. Destination, Within Consignee's Premises	APR 1984
52.247-36	F.A.S. Vessel, Port of Shipment	APR 1984

Section G - Contract Administration Data

PAYMENT INSTRUCTIONS

ELECTRONIC SUBMISSION OF INVOICES AND RECEIVING REPORTS IS MANDATORY in accordance with DFARS 252.232-7003.

ELECTRONIC SUBMISSION VIA WIDE AREA WORKFLOW (WAWF): Contractors must register and begin submitting electronic invoices immediately through the Wide Area Workflow Receipt and Acceptance Internet site: <https://wawf.eb.mil/>. On line training is available at <http://www.wawftraining.com>.

ELECTRONIC SUBMISSION OF INVOICES AND RECEIVING REPORTS IS
MANDATORY in accordance with DFARS 252.232-7003

1. ELECTRONIC SUBMISSION VIA WIDE AREA WORKFLOW (WAWF): Contractors must register and begin submitting electronic invoices immediately through the Wide Area Workflow Receipt and Acceptance Internet site: <https://wawf.eb.mil/>. On line training is available at <http://www.wawftraining.com> unless unable to do so. Use the following data elements to invoice for services or supplies procured via this contract. The award document number is located in the lower right-hand corner.

If a contractor believes that its policies and procedures meet the criteria outlined in Defense Contract Audit Agency Pamphlet No. 7641.90, Information for Contractors, the contractor may write to its cognizant DCAA office to request participation in the direct billing program. The pamphlet is available via Internet at <http://www.dcaa.mil>. If DCAA determines that a contractor is eligible to participate in the direct billing program, a copy of the DCAA authorization memorandum must be sent to the Contracting Officer.

Invoice Type: Cost CLINs: Cost Voucher FFP CLINs: Combo Reports	
Description	DD1155 Located in Block
Contract Number	1
Delivery Order	2
Cage Code	9
Paying Office	15
Inspection	See Schedule: INSPECTION AND ACCEPTANCE
Acceptance	See Schedule: INSPECTION AND ACCEPTANCE
Issue Date	3
Issue By DoDAAC	6
Admin DoDAAC	7
Ship to Code	7
Ship to Code Extension	14
Services or Supplies	Based on majority of requirement as determined by monetary value
Shipment Number	Contractor Shipment Number, Invoice Number (supplies) or period of performance (service). Limitation: 13 characters
Final Invoice?	<i>Changing "N" (no) to "Y" (yes) will terminate your ability to invoice against this contract and deobligated remaining funds. Change "N" to "Y" for the final invoice ONLY.</i>

CONTRACT ADMINISTRATION

The first task order for IDIQ minimum order guarantee for \$3,600, CLIN 0001, will be issued concurrently with the IAC MAC Indefinite Delivery Indefinite Quantity contract award. AFICA/KD, will administer this contract and is the primary ordering office. All authority to issue orders against this contract will be delegated by AFICA/KD. The Address, telephone number and email address of the contracting organization is listed below:

AFICA/KD
101 Washington Square
Offutt AFB NE 68113-2108
Phone: (402) 294-5114 Email: IACMAC@us.af.mil

- b. Each IAC MAC contract will also have a primary contract administrator (CA), which will be identified after award. All correspondence concerning this contract and any resultant task order(s) shall be submitted to the CO and/or CA.
- c. An individual of the DTIC PMO will be appointed as a Contracting Officer Representative (COR) for this contract. The COR will act as technical representatives of the CO for the purpose of inspecting and accepting the contractor's work and assisting the CO in the administration of this contract and task orders. The CO will notify the contractor in writing of the name of the COR.
- d. COR does not have the authority to direct the actions of the contractor and the CO is the only individual authorized to change the terms and conditions of any of the contracts or subsequent task orders.

ACCOUNTING & APPROPRIATION DATA

All funding and payment instructions will be cited at the task order level.

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Payment Instructions IAW (DFARS) PGI 204.7108 (d) (12) Other:

The Payment Office shall ensure that each payment under this contract is made in accordance with the specific accounting classification reference numbers (ACRNs) and CLIN/SubCLIN numbers shown on each individual invoice.

This task order is incrementally funded over the projected period of performance. Funding is received from multiple Department of Defense (DoD) and Non-DoD sources, and in a variety of appropriations such as Operation and Maintenance (O&M), Research and Development (R&D), etc. In looking at the 11 clauses under DFARS PGI 252.204-7108(d), the Contracting Officer is unable to find an exact fit due to the various customers and appropriations. There are times when one agency requires their funds pay the invoice specifically for the work they received, even if it requires payment from an ACRN later in sequence. In this case, paying by sequential ACRN would not work, nor would any of the other 11 scenarios. There are multiple government employees, DTIC Program Managers and Requesting Activity employees, working closely with the vendor to ensure the appropriate CLINS and ACRNs are being billed for work performed.

(End of Clause)

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.202-1	Definitions	NOV 2013
52.203-3	Gratuities	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	SEP 2006
52.203-7	Anti-Kickback Procedures	MAY 2014
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	MAY 2014
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	MAY 2014
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	OCT 2010
52.203-13	Contractor Code of Business Ethics and Conduct	OCT 2015
52.203-16	Preventing Personal Conflicts of Interest	DEC 2011
52.203-17	Contractor Employee Whistleblower Rights and Requirement To Inform Employees of Whistleblower Rights	APR 2014
52.204-2	Security Requirements	AUG 1996
52.204-2 Alt I	Security Requirements (Aug 1996) - Alternate I	APR 1984
52.204-4	Printed or Copied Double-Sided on Postconsumer Fiber Content Paper	MAY 2011
52.204-9	Personal Identity Verification of Contractor Personnel	JAN 2011
52.204-10	Reporting Executive Compensation and First-Tier Subcontract Awards	OCT 2015
52.204-13	System for Award Management Maintenance	OCT 2016
52.204-19	Incorporation by Reference of Representations and Certifications.	DEC 2014
52.204-23	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities.	JUL 2018
52.207-5	Option To Purchase Equipment	FEB 1995
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	OCT 2015
52.209-9	Updates of Publicly Available Information Regarding Responsibility Matters	JUL 2013
52.209-10	Prohibition on Contracting With Inverted Domestic Corporations	NOV 2015
52.210-1	Market Research	APR 2011
52.211-15	Defense Priority And Allocation Requirements	APR 2008
52.215-2	Audit and Records--Negotiation	OCT 2010
52.215-2 Alt II	Audit and Records--Negotiation (Oct 2010) - Alternate II	AUG 2016
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-11	Price Reduction for Defective Certified Cost or Pricing Data-- Modifications	AUG 2011
52.215-13	Subcontractor Certified Cost or Pricing Data--Modifications	OCT 2010
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
52.215-18	Reversion or Adjustment of Plans for Postretirement Benefits (PRB) Other than Pensions	JUL 2005
52.215-19	Notification of Ownership Changes	OCT 1997
52.215-21	Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data -- Modifications	OCT 2010

52.215-21 Alt II	Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data -- Modifications (Oct 2010) - Alternate II	OCT 1997
52.215-21 Alt III	Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data -- Modifications (Oct 2010) - Alternate III	OCT 1997
52.215-21 Alt IV	Requirements for Certified Cost or Pricing Data and Data Other Than Certified Cost or Pricing Data -- Modifications (Oct 2010) - Alternate IV	OCT 2010
52.215-23	Limitations on Pass-Through Charges	OCT 2009
52.215-23 Alt I	Limitations on Pass-Through Charges (Oct 2009) - Alternate I	OCT 2009
52.216-7 Alt II	Allowable Cost and Payment (Jun 2013) - Alternate II	AUG 2012
52.216-8	Fixed Fee	JUN 2011
52.219-4	Notice of Price Evaluation Preference for HUBZone Small Business Concerns	OCT 2014
52.219-6	Notice Of Total Small Business Set-Aside	NOV 2011
52.219-7	Notice of Partial Small Business Set-Aside	JUN 2003
52.219-8	Utilization of Small Business Concerns	OCT 2014
52.219-9 Alt II	Small Business Subcontracting Plan (JAN 2017) Alternate II	NOV 2016
52.219-13	Notice of Set-Aside of Orders	NOV 2011
52.219-14	Limitations On Subcontracting	NOV 2011
52.219-16	Liquidated Damages-Subcontracting Plan	JAN 1999
52.219-28	Post-Award Small Business Program Rerepresentation	JUL 2013
52.219-30	Notice of Set-Aside for, or Sole Source Award to, Women-Owned Small Business Concerns Eligible Under the Women-Owned Small Business Program	DEC 2015
52.222-1	Notice To The Government Of Labor Disputes	FEB 1997
52.222-20	Contracts for Materials, Supplies, Articles, and Equipment Exceeding \$15,000	MAY 2014
52.222-21	Prohibition Of Segregated Facilities	APR 2015
52.222-26	Equal Opportunity	SEP 2016
52.222-29	Notification Of Visa Denial	APR 2015
52.222-35	Equal Opportunity for Veterans	OCT 2015
52.222-36	Equal Opportunity for Workers with Disabilities	JUL 2014
52.222-37	Employment Reports on Veterans	FEB 2016
52.222-50	Combating Trafficking in Persons	MAR 2015
52.222-54	Employment Eligibility Verification	OCT 2015
52.223-5	Pollution Prevention and Right-to-Know Information	MAY 2011
52.223-6	Drug-Free Workplace	MAY 2001
52.223-11	Ozone-Depleting Substances and High Global Warming Potential Hydrofluorocarbons.	JUN 2016
52.223-15	Energy Efficiency in Energy-Consuming Products	DEC 2007
52.223-16	Acquisition of EPEAT (R) - Registered Personal Computer Products	OCT 2015
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
52.223-19	Compliance with Environmental Management Systems	MAY 2011
52.224-3	Privacy Training	JAN 2017
52.225-13	Restrictions on Certain Foreign Purchases	JUN 2008
52.227-1	Authorization and Consent	DEC 2007
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

52.227-3	Patent Indemnity	APR 1984
52.227-3 Alt I	Patent Indemnity (Apr 1984) - Alternate I	APR 1984
52.227-10	Filing Of Patent Applications--Classified Subject Matter	DEC 2007
52.227-11	Patent Rights--Ownership By The Contractor	MAY 2014
52.230-2	Cost Accounting Standards	OCT 2015
52.230-6	Administration of Cost Accounting Standards	JUN 2010
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
52.232-11	Extras	APR 1984
52.232-17	Interest	MAY 2014
52.232-18	Availability Of Funds	APR 1984
52.232-20	Limitation Of Cost	APR 1984
52.232-22	Limitation Of Funds	APR 1984
52.232-23	Assignment Of Claims	MAY 2014
52.232-25	Prompt Payment	JUL 2013
52.232-33	Payment by Electronic Funds Transfer--System for Award Management	JUL 2013
52.232-39	Unenforceability of Unauthorized Obligations	JUN 2013
52.232-40	Providing Accelerated Payments to Small Business Subcontractors	DEC 2013
52.233-1	Disputes	MAY 2014
52.233-3	Protest After Award	AUG 1996
52.233-3 Alt I	Protest After Award (Aug 1996) - Alternate I	JUN 1985
52.233-4	Applicable Law for Breach of Contract Claim	OCT 2004
52.237-2	Protection Of Government Buildings, Equipment, And Vegetation	APR 1984
52.237-3	Continuity Of Services	JAN 1991
52.239-1	Privacy or Security Safeguards	AUG 1996
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	MAY 2014
52.242-4	Certification of Final Indirect Costs	JAN 1997
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.243-1 Alt I	Changes--Fixed Price (Aug 1987) - Alternate I	APR 1984
52.243-2	Changes--Cost-Reimbursement	AUG 1987
52.243-2 Alt II	Changes--Cost Reimbursement (Aug 1987) - Alternate II	APR 1984
52.243-2 Alt V	Changes--Cost-Reimbursement (Aug 1987) - Alternate V	APR 1984
52.243-6	Change Order Accounting	APR 1984
52.244-5	Competition In Subcontracting	DEC 1996
52.244-6	Subcontracts for Commercial Items	SEP 2016
52.245-1	Government Property	APR 2012
52.245-1 Alt II	Government Property (Apr 2012) Alternate II	APR 2012
52.245-2 Alt II (Dev)	Government Property (Fixed-Price Contracts) June 2003 Alternate II Deviation	JUN 2003
52.245-9	Use And Charges	APR 2012
52.246-23	Limitation Of Liability	FEB 1997
52.246-25	Limitation Of Liability--Services	FEB 1997
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	APR 2012
52.249-4	Termination For Convenience Of The Government (Services) (Short Form)	APR 1984
52.249-6	Termination (Cost Reimbursement)	MAY 2004

52.249-6 Alt V	Termination (Cost Reimbursement) (May 2004) - Alternate V	SEP 1996
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
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 2012
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	SEP 2011
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	SEP 2013
252.203-7003	Agency Office of the Inspector General	DEC 2012
252.204-7000	Disclosure Of Information	AUG 2013
252.204-7002	Payment For Subline Items Not Separately Priced	DEC 1991
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7005	Oral Attestation of Security Responsibilities	NOV 2001
252.204-7006	Billing Instructions	OCT 2005
252.204-7012	Safeguarding Covered Defense Information and Cyber Incident Reporting	OCT 2016
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 Country that is a State Sponsor of Terrorism	OCT 2015
252.215-7000	Pricing Adjustments	DEC 2012
252.215-7002	Cost Estimating System Requirements	DEC 2012
252.219-7003	Small Business Subcontracting Plan (DOD Contracts)--Basic	MAR 2016
252.223-7006	Prohibition On Storage, Treatment, and Disposal of Toxic or Hazardous Materials	SEP 2014
252.225-7001	Buy American And Balance Of Payments Program-- Basic (Aug 2016)	AUG 2016
252.225-7002	Qualifying Country Sources As Subcontractors	AUG 2016
252.225-7004	Report of Intended Performance Outside the United States and Canada--Submission after Award	OCT 2015
252.225-7012	Preference For Certain Domestic Commodities	AUG 2016
252.225-7013	Duty-Free Entry--Basic (May 2016)	MAY 2016
252.225-7021	Trade Agreements--Basic	SEP 2016
252.225-7040	Contractor Personnel Supporting U.S. Armed Forces Deployed Outside the United States	OCT 2015
252.225-7041	Correspondence in English	JUN 1997
252.225-7043	Antiterrorism/Force Protection Policy for Defense Contractors Outside the United States	JUN 2015
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Native Hawaiian Small Business Concerns	SEP 2004
252.227-7000	Non-estoppel	OCT 1966
252.227-7013	Rights in Technical Data--Noncommercial Items	FEB 2014
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	FEB 2014
252.227-7015	Technical Data--Commercial Items	FEB 2014
252.227-7016	Rights in Bid or Proposal Information	JAN 2011
252.227-7019	Validation of Asserted Restrictions--Computer Software	SEP 2016
252.227-7020	Rights In Special Works	JUN 1995

252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	MAY 2013
252.227-7026	Deferred Delivery Of Technical Data Or Computer Software	APR 1988
252.227-7027	Deferred Ordering Of Technical Data Or Computer Software	APR 1988
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 2016
252.227-7038	Patent Rights--Ownership by the Contractor (Large Business)	JUN 2012
252.227-7039	Patents--Reporting Of Subject Inventions	APR 1990
252.228-7001	Ground And Flight Risk	JUN 2010
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012
252.232-7007	Limitation Of Government's Obligation	APR 2014
252.232-7010	Levies on Contract Payments	DEC 2006
252.232-7011	Payments in Support of Emergencies and Contingency Operations	MAY 2013
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.239-7018	Supply Chain Risk	OCT 2015
252.242-7004	Material Management And Accounting System	MAY 2011
252.242-7006	Accounting System Administration	FEB 2012
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	DEC 2012
252.244-7001	Contractor Purchasing System Administration	MAY 2014
252.245-7000	Government-Furnished Mapping, Charting, and Geodesy Property	APR 2012
252.245-7001	Tagging, Labeling, and Marking of Government-Furnished Property	APR 2012
252.245-7002	Reporting Loss of Government Property	APR 2012
252.245-7003	Contractor Property Management System Administration	APR 2012
252.245-7004	Reporting, Reutilization, and Disposal	SEP 2016
252.246-7001	Warranty Of Data	MAR 2014
252.247-7023	Transportation of Supplies by Sea	APR 2014
252.247-7024	Notification Of Transportation Of Supplies By Sea	MAR 2000
252.251-7000	Ordering From Government Supply Sources	AUG 2012

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52.203-5 COVENANT AGAINST CONTINGENT FEES (MAY 2014)

(a) The Contractor warrants that no person or agency has been employed or retained to solicit or obtain this contract upon an agreement or understanding for a contingent fee, except a bona fide employee or agency. For breach or violation of this warranty, the Government shall have the right to annul this contract without liability or, to deduct from the contract price or consideration, or otherwise recover, the full amount of the contingent fee.

(b) "Bona fide agency," as used in this clause, means an established commercial or selling agency, maintained by a contractor for the purpose of securing business, that neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds itself out as being able to obtain any Government contract or contracts through improper influence.

"Bona fide employee," as used in this clause, means a person, employed by a contractor and subject to the contractor's supervision and control as to time, place, and manner of performance, who neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds out as being able to obtain any Government contract or contracts through improper influence.

"Contingent fee," as used in this clause, means any commission, percentage, brokerage, or other fee that is contingent upon the success that a person or concern has in securing a Government contract.

"Improper influence," as used in this clause, means any influence that induces or tends to induce a Government employee or officer to give consideration or to act regarding a Government contract on any basis other than the merits of the matter.

(End of clause)

52.203-14 DISPLAY OF HOTLINE POSTER(S) (OCT 2015)

(a) Definition.

United States, as used in this clause, means the 50 States, the District of Columbia, and outlying areas.

(b) Display of fraud hotline poster(s). Except as provided in paragraph (c)--

(1) During contract performance in the United States, the Contractor shall prominently display in common work areas within business segments performing work under this contract and at contract work sites--

(i) Any agency fraud hotline poster or Department of Homeland Security (DHS) fraud hotline poster identified in paragraph (b)(3) of this clause; and

(ii) Any DHS fraud hotline poster subsequently identified by the Contracting Officer.

(2) Additionally, if the Contractor maintains a company website as a method of providing information to employees, the Contractor shall display an electronic version of the poster(s) at the website.

(3) Any required posters may be obtained as follows:

Poster(s) Obtain from

DoD Inspector General, ATTNL Defense, 400 Army Navy Drive, Washington, DC 22202-2884.

(Contracting Officer shall insert—

(i) Appropriate agency name(s) and/or title of applicable Department of Homeland Security fraud hotline poster); and

(ii) The website(s) or other contact information for obtaining the poster(s).)

(c) If the Contractor has implemented a business ethics and conduct awareness program, including a reporting mechanism, such as a hotline poster, then the Contractor need not display any agency fraud hotline posters as required in paragraph (b) of this clause, other than any required DHS posters.

(d) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (d), in all subcontracts that exceed \$5.5 million, except when the subcontract--

(1) Is for the acquisition of a commercial item; or

(2) Is performed entirely outside the United States.

(End of clause)

52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall--

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of clause)

52.216-7 ALLOWABLE COST AND PAYMENT (JUN 2013)

(a) Invoicing.

(1) The Government will make payments to the Contractor when requested as work progresses, but (except for small business concerns) not more often than once every 2 weeks, in amounts determined to be allowable by the Contracting Officer in accordance with Federal Acquisition Regulation (FAR) subpart 31.2 in effect on the date of this contract and the terms of this contract. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as the representative may require, an invoice or voucher supported by a statement of the claimed allowable cost for performing this contract.

(2) Contract financing payments are not subject to the interest penalty provisions of the Prompt Payment Act. Interim payments made prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

(3) The designated payment office will make interim payments for contract financing on the _____ (Contracting Officer insert day as prescribed by agency head; if not prescribed, insert "30th") day after the designated billing office receives a proper payment request.

In the event that the Government requires an audit or other review of a specific payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date.

(b) Reimbursing costs. (1) For the purpose of reimbursing allowable costs (except as provided in subparagraph (b)(2) of the clause, with respect to pension, deferred profit sharing, and employee stock ownership plan contributions), the term "costs" includes only--

(i) Those recorded costs that, at the time of the request for reimbursement, the Contractor has paid by cash, check, or other form of actual payment for items or services purchased directly for the contract;

(ii) When the Contractor is not delinquent in paying costs of contract performance in the ordinary course of business, costs incurred, but not necessarily paid, for--

(A) Supplies and services purchased directly for the contract and associated financing payments to subcontractors, provided payments determined due will be made--

(1) In accordance with the terms and conditions of a subcontract or invoice; and

(2) Ordinarily within 30 days of the submission of the Contractor's payment request to the Government;

(B) Materials issued from the Contractor's inventory and placed in the production process for use on the contract;

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

(F) Properly allocable and allowable indirect costs, as shown in the records maintained by the Contractor for purposes of obtaining reimbursement under Government contracts; and

(iii) The amount of financing payments that have been paid by cash, check, or other forms of payment to subcontractors.

(2) Accrued costs of Contractor contributions under employee pension plans shall be excluded until actually paid unless--

(i) The Contractor's practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractor's indirect costs for payment purposes).

(3) Notwithstanding the audit and adjustment of invoices or vouchers under paragraph (g) of this clause, allowable indirect costs under this contract shall be obtained by applying indirect cost rates established in accordance with paragraph (d) of this clause.

(4) Any statements in specifications or other documents incorporated in this contract by reference designating performance of services or furnishing of materials at the Contractor's expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement under this clause.

(c) Small business concerns. A small business concern may receive more frequent payments than every 2 weeks.

(d) Final indirect cost rates. (1) Final annual indirect cost rates and the appropriate bases shall be established in accordance with Subpart 42.7 of the Federal Acquisition Regulation (FAR) in effect for the period covered by the indirect cost rate proposal.

(2)(i) The Contractor shall submit an adequate final indirect cost rate proposal to the Contracting Officer (or cognizant Federal agency official) and auditor within the 6-month period following the expiration of each of its fiscal years. Reasonable extensions, for exceptional circumstances only, may be requested in writing by the Contractor and granted in writing by the Contracting Officer. The Contractor shall support its proposal with adequate supporting data.

(ii) The proposed rates shall be based on the Contractor's actual cost experience for that period. The appropriate Government representative and the Contractor shall establish the final indirect cost rates as promptly as practical after receipt of the Contractor's proposal.

(iii) An adequate indirect cost rate proposal shall include the following data unless otherwise specified by the cognizant Federal agency official:

(A) Summary of all claimed indirect expense rates, including pool, base, and calculated indirect rate.

(B) General and Administrative expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts).

(C) Overhead expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) for each final indirect cost pool.

(D) Occupancy expenses (intermediate indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) and expense reallocation to final indirect cost pools.

(E) Claimed allocation bases, by element of cost, used to distribute indirect costs.

(F) Facilities capital cost of money factors computation.

(G) Reconciliation of books of account (i.e., General Ledger) and claimed direct costs by major cost element.

(H) Schedule of direct costs by contract and subcontract and indirect expense applied at claimed rates, as well as a subsidiary schedule of Government participation percentages in each of the allocation base amounts.

(I) Schedule of cumulative direct and indirect costs claimed and billed by contract and subcontract.

(J) Subcontract information. Listing of subcontracts awarded to companies for which the contractor is the prime or upper-tier contractor (include prime and subcontract numbers; subcontract value and award type; amount claimed during the fiscal year; and the subcontractor name, address, and point of contact information).

(K) Summary of each time-and-materials and labor-hour contract information, including labor categories, labor rates, hours, and amounts; direct materials; other direct costs; and, indirect expense applied at claimed rates.

(L) Reconciliation of total payroll per IRS form 941 to total labor costs distribution.

(M) Listing of decisions/agreements/approvals and description of accounting/organizational changes.

(N) Certificate of final indirect costs (see 52.242-4, Certification of Final Indirect Costs).

(O) Contract closing information for contracts physically completed in this fiscal year (include contract number, period of performance, contract ceiling amounts, contract fee computations, level of effort, and indicate if the contract is ready to close).

(iv) The following supplemental information is not required to determine if a proposal is adequate, but may be required during the audit process:

(A) Comparative analysis of indirect expense pools detailed by account to prior fiscal year and budgetary data.

(B) General organizational information and limitation on allowability of compensation for certain contractor personnel. See 31.205-6(p). Additional salary reference information is available at http://www.whitehouse.gov/omb/procurement_index_exec_comp/.

(C) Identification of prime contracts under which the contractor performs as a subcontractor.

(D) Description of accounting system (excludes contractors required to submit a CAS Disclosure Statement or contractors where the description of the accounting system has not changed from the previous year's submission).

(E) Procedures for identifying and excluding unallowable costs from the costs claimed and billed (excludes contractors where the procedures have not changed from the previous year's submission).

(F) Certified financial statements and other financial data (e.g., trial balance, compilation, review, etc.).

(G) Management letter from outside CPAs concerning any internal control weaknesses.

(H) Actions that have been and/or will be implemented to correct the weaknesses described in the management letter from subparagraph G) of this section.

(I) List of all internal audit reports issued since the last disclosure of internal audit reports to the Government.

(J) Annual internal audit plan of scheduled audits to be performed in the fiscal year when the final indirect cost rate submission is made.

(K) Federal and State income tax returns.

(L) Securities and Exchange Commission 10-K annual report.

(M) Minutes from board of directors meetings.

(N) Listing of delay claims and termination claims submitted which contain costs relating to the subject fiscal year.

(O) Contract briefings, which generally include a synopsis of all pertinent contract provisions, such as: Contract type, contract amount, product or service(s) to be provided, contract performance period, rate ceilings, advance approval requirements, pre-contract cost allowability limitations, and billing limitations.

(v) The Contractor shall update the billings on all contracts to reflect the final settled rates and update the schedule of cumulative direct and indirect costs claimed and billed, as required in paragraph (d)(2)(iii)(I) of this section, within 60 days after settlement of final indirect cost rates.

(3) The Contractor and the appropriate Government representative shall execute a written understanding setting forth the final indirect cost rates. The understanding shall specify (i) the agreed-upon final annual indirect cost rates, (ii) the bases to which the rates apply, (iii) the periods for which the rates apply, (iv) any specific indirect cost items treated as direct costs in the settlement, and (v) the affected contract and/or subcontract, identifying any with advance agreements or special terms and the applicable rates. The understanding shall not change any monetary

ceiling, contract obligation, or specific cost allowance or disallowance provided for in this contract. The understanding is incorporated into this contract upon execution.

(4) Failure by the parties to agree on a final annual indirect cost rate shall be a dispute within the meaning of the Disputes clause.

(5) Within 120 days (or longer period if approved in writing by the Contracting Officer) after settlement of the final annual indirect cost rates for all years of a physically complete contract, the Contractor shall submit a completion invoice or voucher to reflect the settled amounts and rates. The completion invoice or voucher shall include settled subcontract amounts and rates. The prime contractor is responsible for settling subcontractor amounts and rates included in the completion invoice or voucher and providing status of subcontractor audits to the contracting officer upon request.

(6)(i) If the Contractor fails to submit a completion invoice or voucher within the time specified in paragraph (d)(5) of this clause, the Contracting Officer may--

(A) Determine the amounts due to the Contractor under the contract; and

(B) Record this determination in a unilateral modification to the contract.

(ii) This determination constitutes the final decision of the Contracting Officer in accordance with the Disputes clause.

(e) Billing rates. Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the Contracting Officer or by an authorized representative (the cognizant auditor), subject to adjustment when the final rates are established. These billing rates--

(1) Shall be the anticipated final rates; and

(2) May be prospectively or retroactively revised by mutual agreement, at either party's request, to prevent substantial overpayment or underpayment.

(f) Quick-closeout procedures. Quick-closeout procedures are applicable when the conditions in FAR 42.708(a) are satisfied.

(g) Audit. At any time or times before final payment, the Contracting Officer may have the Contractor's invoices or vouchers and statements of cost audited. Any payment may be (1) Reduced by amounts found by the Contracting Officer not to constitute allowable costs or (2) Adjusted for prior overpayments or underpayments.

(h) Final payment. (1) Upon approval of a completion invoice or voucher submitted by the Contractor in accordance with paragraph (d)(5) of this clause, and upon the Contractor's compliance with all terms of this contract, the Government shall promptly pay any balance of allowable costs and that part of the fee (if any) not previously paid.

(2) The Contractor shall pay to the Government any refunds, rebates, credits, or other amounts (including interest, if any) accruing to or received by the Contractor or any assignee under this contract, to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by the Government. Reasonable expenses incurred by the Contractor for securing refunds, rebates, credits, or other amounts shall be allowable costs if approved by the Contracting Officer. Before final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment shall execute and deliver--

(i) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including interest, if any) properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(ii) A release discharging the Government, its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, except--

(A) Specified claims stated in exact amounts, or in estimated amounts when the exact amounts are not known;

(B) Claims (including reasonable incidental expenses) based upon liabilities of the Contractor to third parties arising out of the performance of this contract; provided, that the claims are not known to the Contractor on the date of the execution of the release, and that the Contractor gives notice of the claims in writing to the Contracting Officer within 6 years following the release date or notice of final payment date, whichever is earlier; and

(C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent clauses of this contract, excluding, however, any expenses arising from the Contractor's indemnification of the Government against patent liability.

(End of clause)

52.216-18 ORDERING. (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from AFICA/KD. Such orders may be issued from date of contract award through contract expiration. Performance periods for CLINs 2001, 2002, 2003, 2004, and 2005 may be extended if the Government exercises the option period of CLIN 3000.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(End of clause)

52.216-19 ORDER LIMITATIONS. (OCT 1995)

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than \$3,600.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor:

(1) Any order for a single item in excess of \$99,999,999.00;

(2) Any order for a combination of items in excess of 99,999,999.00; or

(3) A series of orders from the same ordering office within 10 days that together call for quantities exceeding the limitation in subparagraph (1) or (2) above.

(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) above.

(d) Notwithstanding paragraphs (b) and (c) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

52.216-22 INDEFINITE QUANTITY. (OCT 1995)

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the "maximum". The Government shall order at least the quantity of supplies or services designated in the Schedule as the "minimum".

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 60 months following the ordering period expiration.

(End of clause)

52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 10 days prior to the end of the current ordering period.

(End of clause)

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 5 days prior to the end of the contract period; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 10 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 114 Months.

(End of clause)

52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)

(a) The use of overtime is authorized under this contract if the overtime premium cost does not exceed **to be determined per individual task orders** or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall--

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

* Insert either "zero" or the dollar amount agreed to during negotiations. The inserted figure does not apply to the exceptions in paragraph (a)(1) through (a)(4) of the clause.

(End of clause)

52.244-2 SUBCONTRACTS (OCT 2010)

(a) Definitions. As used in this clause--

Approved purchasing system means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR).

Consent to subcontract means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) of this clause.

(c) If the Contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that—

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds—

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the National Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For a contract awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts:

The following applies to Subcontracts for the purchase of services, equipment and materials.

(1) Post-award of a Task Order,

a. The contractor shall obtain the written consent of the Contracting Officer for:

- i. the addition of any Subcontract that equals or exceeds 5% of the total estimated cost of the Task Order, unless a lower threshold is stipulated in the Task Order or
- ii. for the increase to a Subcontract initially approved by the ACOR when such increase results in the Subcontract equalling or exceeding 5% of the total estimated cost of the Task Order, unless a lower threshold is stipulated in the Task Order.

b. In lieu of obtaining Contracting Officer consent, the contractor shall obtain the written technical approval of the ACOR for the addition of any Subcontract that is less than 5% of the total estimated cost of the Task Order and more than the Micro Purchase Threshold. Additionally, the contractor shall obtain the written technical approval of the ACOR to increase the value of any Subcontract to which the Contracting Officer has previously consented. The contractor shall provide the Contracting Officer with a written courtesy notification of all ACOR technical approvals of Subcontracts for services.

(2) Consent and approval of a Subcontract on a particular Task Order applies only to that Task Order.

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

- (iii) Identification of the proposed subcontractor.
- (iv) The proposed subcontract price.
- (v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.
- (vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.
- (vii) A negotiation memorandum reflecting—
 - (A) The principal elements of the subcontract price negotiations;
 - (B) The most significant considerations controlling establishment of initial or revised prices;
 - (C) The reason certified cost or pricing data were or were not required;
 - (D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;
 - (E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;
 - (F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and
 - (G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.
- (2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (c), (d), or (e) of this clause.
 - (f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination—
 - (1) Of the acceptability of any subcontract terms or conditions;
 - (2) Of the allowability of any cost under this contract; or
 - (3) To relieve the Contractor of any responsibility for performing this contract.
 - (g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).
 - (h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.
 - (i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations:

As may be stipulated in the Task Order.

(End of clause)

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. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://farsite.hill.af.mil>

(End of clause)

252.211-7003 ITEM UNIQUE IDENTIFICATION AND VALUATION (MAR 2016)

(a) Definitions. As used in this clause-

Automatic identification device means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

Concatenated unique item identifier means--

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

Data Matrix means a two-dimensional matrix symbology, which is made up of square or, in some cases, round modules arranged within a perimeter finder pattern and uses the Error Checking and Correction 200 (ECC200) specification found within International Standards Organization (ISO)/International Electrotechnical Commission (IEC) 16022.

Data qualifier means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

DoD recognized unique identification equivalent means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html.

DoD item unique identification means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the

enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

Enterprise means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

Enterprise identifier means a code that is uniquely assigned to an enterprise by an issuing agency.

Government's unit acquisition cost means--

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractor's estimated fully burdened unit cost to the Government at the time of delivery.

Issuing agency means an organization responsible for assigning a globally unique identifier to an enterprise, as indicated in the Register of Issuing Agency Codes for ISO/IEC 15459, located at http://www.aimglobal.org/?Reg_Authority15459.

Issuing agency code means a code that designates the registration (or controlling) authority for the enterprise identifier.

Item means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

Lot or batch number means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

Machine-readable means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

Original part number means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

Parent item means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

Serial number within the enterprise identifier means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

Serial number within the part, lot, or batch number means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

Serialization within the enterprise identifier means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

Serialization within the part, lot, or batch number means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

Type designation means a combination of letters and numerals assigned by the Government to a major end item, assembly or subassembly, as appropriate, to provide a convenient means of differentiating between items having the same basic name and to indicate modifications and changes thereto.

Unique item identifier means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

Unique item identifier type means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/pdi/uid/uii_types.html.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier. (1) The Contractor shall provide a unique item identifier for the following:

(i) Delivered items for which the Government's unit acquisition cost is \$5,000 or more, except for the following line items:

Contract line, subline, or exhibit line item No.	Item description
.....	

(ii) Items for which the Government's unit acquisition cost is less than \$5,000 that are identified in the Schedule or the following table:

Specified at the task order level if applicable.

Contract line, subline, or exhibit line item No.	Item description
.....	

(If items are identified in the Schedule, insert "See Schedule" in this table.)

(iii) Subassemblies, components, and parts embedded within delivered items, items with warranty requirements, DoD serially managed reparable and DoD serially managed nonreparable as specified in Attachment Number ----.

(iv) Any item of special tooling or special test equipment as defined in FAR 2.101 that have been designated for preservation and storage for a Major Defense Acquisition Program as specified in Attachment Number ----.

(v) Any item not included in paragraphs (c)(1)(i), (ii), (iii), or

(iv) of this clause for which the contractor creates and marks a unique item identifier for traceability.

(2) The unique item identifier assignment and its component data element combination shall not be duplicated on any other item marked or registered in the DoD Item Unique Identification Registry by the contractor.

(3) The unique item identifier component data elements shall be marked on an item using two dimensional data matrix symbology that complies with ISO/IEC International Standard 16022, Information technology--International symbology specification--Data matrix; ECC200 data matrix specification.

(4) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that--

(i) The data elements (except issuing agency code) of the unique item identifier are encoded within the data matrix symbol that is marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology-Transfer Syntax for High Capacity Automatic Data Capture Media.

(5) Unique item identifier.

(i) The Contractor shall--

(A) Determine whether to--

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent (e.g. Vehicle Identification Number); and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: Original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in MIL-STD-130, Identification Marking of U.S. Military Property, latest version;

(C) Label shipments, storage containers and packages that contain uniquely identified items in accordance with the requirements of MIL-STD-129, Military Marking for Shipment and Storage, latest version; and

(D) Verify that the marks on items and labels on shipments, storage containers, and packages are machine readable and conform to the applicable standards. The contractor shall use an automatic identification technology device for this verification that has been programmed to the requirements of Appendix A, MIL-STD-130, latest version.

(ii) The issuing agency code--

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires item unique identification under paragraph (c)(1)(i), (ii), or (iv) of this clause or when item unique identification is provided under paragraph (c)(1)(v), in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report, the following information:

- (1) Unique item identifier.
- (2) Unique item identifier type.
- (3) Issuing agency code (if concatenated unique item identifier is used).
- (4) Enterprise identifier (if concatenated unique item identifier is used).
- (5) Original part number (if there is serialization within the original part number).
- (6) Lot or batch number (if there is serialization within the lot or batch number).
- (7) Current part number (optional and only if not the same as the original part number).
- (8) Current part number effective date (optional and only if current part number is used).
- (9) Serial number (if concatenated unique item identifier is used).
- (10) Government's unit acquisition cost.
- (11) Unit of measure.
- (12) Type designation of the item as specified in the contract schedule, if any.
- (13) Whether the item is an item of Special Tooling or Special Test Equipment.
- (14) Whether the item is covered by a warranty.

(e) For embedded subassemblies, components, and parts that require DoD unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report as part of, or associated with, the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

- (1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.
- (2) Unique item identifier of the embedded subassembly, component, or part.
- (3) Unique item identifier type.**
- (4) Issuing agency code (if concatenated unique item identifier is used).**
- (5) Enterprise identifier (if concatenated unique item identifier is used).**
- (6) Original part number (if there is serialization within the original part number).**
- (7) Lot or batch number (if there is serialization within the lot or batch number).**
- (8) Current part number (optional and only if not the same as the original part number).**

(9) Current part number effective date (optional and only if current part number is used).**

(10) Serial number (if concatenated unique item identifier is used).**

(11) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause as follows:

(1) End items shall be reported using the receiving report capability in Wide Area WorkFlow (WAWF) in accordance with the clause at 252.232-7003. If WAWF is not required by this contract, and the contractor is not using WAWF, follow the procedures at <http://dodprocurementtoolbox.com/site/uidregistry/>.

(2) Embedded items shall be reported by one of the following methods--

(i) Use of the embedded items capability in WAWF;

(ii) Direct data submission to the IUID Registry following the procedures and formats at <http://dodprocurementtoolbox.com/site/uidregistry/>; or

(iii) Via WAWF as a deliverable attachment for exhibit line item number (fill in) ----, Unique Item Identifier Report for Embedded Items, Contract Data Requirements List, DD Form 1423.

(g) Subcontracts. If the Contractor acquires by subcontract any items for which item unique identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s), including subcontracts for commercial items.

(End of clause)

252.211-7007 REPORTING OF GOVERNMENT-FURNISHED PROPERTY (AUG 2012)

(a) Definitions. As used in this clause—

“Commercial and Government entity (CAGE) code” means—

(i) A code assigned by the Defense Logistics Agency Logistics Information Service to identify a commercial or Government entity; or

(ii) A code assigned by a member of the North Atlantic Treaty Organization that the Defense Logistics Agency Logistics Information Service records and maintains in the CAGE master file. The type of code is known as an “NCAGE code.”

“Contractor-acquired property” has the meaning given in FAR clause 52.245-1. Upon acceptance by the Government, contractor-acquired property becomes Government-furnished property.

“Government-furnished property” has the meaning given in FAR clause 52.245-1.

“Item unique identification (IUID)” means a system of assigning, reporting, and marking DoD property with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items.

``IUID Registry" means the DoD data repository that receives input from both industry and Government sources and provides storage of, and access to, data that identifies and describes tangible Government personal property. The IUID Registry is—

- (i) The authoritative source of Government unit acquisition cost for items with unique item identification (see DFARS 252.211-7003) that were acquired after January 1, 2004;
- (ii) The master data source for Government-furnished property; and
- (iii) An authoritative source for establishing the acquisition cost of end-item equipment.

``National stock number (NSN)" means a 13-digit stock number used to identify items of supply. It consists of a four-digit Federal Supply Code and a nine-digit National Item Identification Number.

``Nomenclature" means—

- (i) The combination of a Government-assigned type designation and an approved item name;
- (ii) Names assigned to kinds and groups of products; or
- (iii) Formal designations assigned to products by customer or supplier (such as model number or model type, design differentiation, or specific design series or configuration).

``Part or identifying number (PIN)" means the identifier assigned by the original design activity, or by the controlling nationally recognized standard, that uniquely identifies (relative to that design activity) a specific item.

``Reparable" means an item, typically in unserviceable condition, furnished to the Contractor for maintenance, repair, modification, or overhaul.

``Serially managed item" means an item designated by DoD to be uniquely tracked, controlled, or managed in maintenance, repair, and/or supply systems by means of its serial number.

``Supply condition code" means a classification of materiel in terms of readiness for issue and use or to identify action underway to change the status of materiel (see <http://www2.dla.mil/j-6/dlmsso/elibrary/manuals/dlm/dlm--pubs.asp>).

``Unique item identifier (UII)" means a set of data elements permanently marked on an item that is globally unique and unambiguous and never changes, in order to provide traceability of the item throughout its total life cycle. The term includes a concatenated UII or a DoD recognized unique identification equivalent.

``Unit acquisition cost" has the meaning given in FAR clause 52.245-1.

(b) Reporting Government-furnished property to the IUID Registry. Except as provided in paragraph (c) of this clause, the Contractor shall report, in accordance with paragraph (f), Government-furnished property to the IUID Registry as follows:--

(1) Up to and including December 31, 2013, report serially managed Government-furnished property with a unit-acquisition cost of \$5,000 or greater.

(2) Beginning January 1, 2014, report—

- (i) All serially managed Government-furnished property, regardless of unit-acquisition cost; and

(ii) Contractor receipt of non-serially managed items. Unless tracked as an individual item, the Contractor shall report non-serially managed items to the Registry in the same unit of packaging, e.g., original manufacturer's package, box, or container, as it was received.

(c) Exceptions. Paragraph (b) of this clause does not apply to—

(1) Contractor-acquired property;

(2) Property under any statutory leasing authority;

(3) Property to which the Government has acquired a lien or title solely because of partial, advance, progress, or performance-based payments;

(4) Intellectual property or software;

(5) Real property; or

(6) Property released for work in process.

(d) Data for reporting to the IUID Registry. To permit reporting of Government-furnished property to the IUID Registry, the Contractor's property management system shall enable the following data elements in addition to those required by paragraph (f)(1)(iii)(A)(1) through (3), (5), (7), (8), and (10) of the Government Property clause of this contract (FAR 52.245-1):

(1) Received/Sent (shipped) date.

(2) Status code.

(3) Accountable Government contract number.

(4) Commercial and Government Entity (CAGE) code on the accountable Government contract.

(5) Mark record.

(i) Bagged or tagged code (for items too small to individually tag or mark).

(ii) Contents (the type of information recorded on the item, e.g., item internal control number).

(iii) Effective date (date the mark is applied).

(iv) Added or removed code/flag.

(v) Marker code (designates which code is used in the marker identifier, e.g., D=CAGE, UN=DUNS, LD=DODAAC).

(vi) Marker identifier, e.g., Contractor's CAGE code or DUNS number.

(vii) Medium code; how the data is recorded, e.g., barcode, contact memory button.

(viii) Value, e.g., actual text or data string that is recorded in its human-readable form.

(ix) Set (used to group marks when multiple sets exist).

(6) Appropriate supply condition code, required only for reporting of reparables, per Appendix 2 of DoD 4000.25-2-M, Military Standard Transaction Reporting and Accounting Procedures manual

(<http://www2.dla.mil/j-6/dlmsso/elibrary/manuals/dlm/dlm--pubs.asp>).

(e) When Government-furnished property is in the possession of subcontractors, Contractors shall ensure that reporting is accomplished using the data elements required in paragraph (d) of this clause.

(f) Procedures for reporting of Government-furnished property. Except as provided in paragraph (c) of this clause, the Contractor shall establish and report to the IUID Registry the information required by FAR clause 52.245-1, paragraphs (e) and (f)(1)(iii), in accordance with the data submission procedures at http://www.acq.osd.mil/dpap/pdi/uid/data_submission_information.html.

(g) Procedures for updating the IUID Registry.

(1) Except as provided in paragraph (g)(2), the Contractor shall update the IUID Registry at <https://iuid.logisticsinformationservice.dla.mil/> for changes in status, mark, custody, condition code (for reparable only), or disposition of items that are—

(i) Received by the Contractor;

(ii) Delivered or shipped from the Contractor's plant, under Government instructions, except when shipment is to a subcontractor or other location of the Contractor;

(iii) Consumed or expended, reasonably and properly, or otherwise accounted for, in the performance of the contract as determined by the Government property administrator, including reasonable inventory adjustments;

(iv) Disposed of; or

(v) Transferred to a follow-on or other contract.

(2) The Contractor need not report to the IUID Registry those transactions reported or to be reported to the following DCMA etools:

(i) Plant Clearance Automated Reutilization and Screening System (PCARSS); or

(ii) Lost, Theft, Damaged or Destroyed (LTDD) system.

(3) The contractor shall update the IUID Registry as transactions occur or as otherwise stated in the Contractor's property management procedure.

(End of clause)

252.216-7006 ORDERING (MAY 2011)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the contract schedule. Such orders may be issued from **30 Sep 2018 through 31 Mar 2028. If the government exercises the option(s) for CLIN 3000 the ordering period dates will be extended for CLINs 2001, 2002, 2003, 2004, and 2005.**

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c)(1) If issued electronically, the order is considered "issued" when a copy has been posted to the Electronic Document Access system, and notice has been sent to the Contractor.

(2) If mailed or transmitted by facsimile, a delivery order or task order is considered "issued" when the Government deposits the order in the mail or transmits by facsimile. Mailing includes transmittal by U.S. mail or private delivery services.

(3) Orders may be issued orally only if authorized in the schedule.

(End of Clause)

252.225-7048 EXPORT-CONTROLLED ITEMS (JUNE 2013)

(a) Definition. "Export-controlled items," as used in this clause, means items subject to the Export Administration Regulations (EAR) (15 CFR Parts 730-774) or the International Traffic in Arms Regulations (ITAR) (22 CFR Parts 120-130). The term includes--

(1) "Defense items," defined in the Arms Export Control Act, 22 U.S.C. 2778(j)(4)(A), as defense articles, defense services, and related technical data, and further defined in the ITAR, 22 CFR Part 120; and

(2) "Items," defined in the EAR as "commodities", "software", and "technology," terms that are also defined in the EAR, 15 CFR 772.1.

(b) The Contractor shall comply with all applicable laws and regulations regarding export-controlled items, including, but not limited to, the requirement for contractors to register with the Department of State in accordance with the ITAR. The Contractor shall consult with the Department of State regarding any questions relating to compliance with the ITAR and shall consult with the Department of Commerce regarding any questions relating to compliance with the EAR.

(c) The Contractor's responsibility to comply with all applicable laws and regulations regarding export-controlled items exists independent of, and is not established or limited by, the information provided by this clause.

(d) Nothing in the terms of this contract adds, changes, supersedes, or waives any of the requirements of applicable Federal laws, Executive orders, and regulations, including but not limited to—

(1) The Export Administration Act of 1979, as amended (50 U.S.C. App. 2401, et seq.);

(2) The Arms Export Control Act (22 U.S.C. 2751, et seq.);

(3) The International Emergency Economic Powers Act (50 U.S.C. 1701, et seq.);

(4) The Export Administration Regulations (15 CFR Parts 730-774);

(5) The International Traffic in Arms Regulations (22 CFR Parts 120-130); and

(6) Executive Order 13222, as extended.

(e) The Contractor shall include the substance of this clause, including this paragraph (e), in all subcontracts.

(End of clause)

252.235-7010 Acknowledgment of Support and Disclaimer. (MAY 1995)

(a) The Contractor shall include an acknowledgment of the Government's support in the publication of any material based on or developed under this contract, stated in the following terms: This material is based upon work supported by the **DoD Information Analysis Center Program Management Office (DoD IAC PMO)**, sponsored by the **Defense Technical Information Center (DTIC)** under Contract No. **FA807518D0007**.

(b) All material, except scientific articles or papers published in scientific journals, must, in addition to any notices or disclaimers by the Contractor, also contain the following disclaimer: Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the **Air Force Installation Contracting Agency (AFICA)**.

(End of clause)

5352.201-9101 Ombudsman

OMBUDSMAN (JUN 2016)

(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and others for this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman does not affect the authority of the program manager, contracting officer, or source selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of protests or formal contract disputes. The ombudsman may refer the interested party to another official who can resolve the concern.

(b) Before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution. Consulting an ombudsman does not alter or postpone the timelines for any other processes (e.g., agency level bid protests, GAO bid protests, requests for debriefings, employee-employer actions, contests of [OMB Circular A-76](#) competition performance decisions).

(c) If resolution cannot be made by the contracting officer, the interested party may contact the ombudsman,

Air Force Installation Contracting Agency (AFICA)/KP Director

1940 Allbrook Drive, Building 1

Wright-Patterson AFB OH 45433

Phone: (937)257-5529

Concerns, issues, disagreements, and recommendations that cannot be resolved at the Center/MAJCOM/DRU/SMC ombudsman level, may be brought by the interested party for further consideration to the Air Force ombudsman, Associate Deputy Assistant Secretary (ADAS) (Contracting), SAF/AQC, 1060 Air Force Pentagon, Washington DC 20330-1060, phone number (571) 256-2395, facsimile number (571) 256-2431.

(d) The ombudsman has no authority to render a decision that binds the agency.

(e) Do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the Contracting Officer.

(End of clause)

5352.204-9000 Notification of Government Security Activity and Visitor Group Security Agreements

NOTIFICATION OF GOVERNMENT SECURITY ACTIVITY AND VISITOR GROUP SECURITY AGREEMENTS (March 2012)

This contract contains a [DD Form 254](#), DOD Contract Security Classification Specification, and requires performance at a government location in the U.S. or overseas. Prior to beginning operations involving classified information on an installation identified on the [DD Form 254](#), the contractor shall take the following actions:

(a) At least thirty days prior to beginning operations, notify the Information Protection Office shown in the distribution block of the [DD Form 254](#) as to:

- (1) The name, address, and telephone number of this contract company's representative and designated alternate in the U.S. or overseas area, as appropriate;
- (2) The contract number and military contracting command;
- (3) The highest classification category of defense information to which contractor employees will have access;
- (4) The Air Force installations in the U.S. (in overseas areas, identify only the APO number(s)) where the contract work will be performed;
- (5) The date contractor operations will begin on base in the U.S. or in the overseas area;
- (6) The estimated completion date of operations on base in the U.S. or in the overseas area; and,
- (7) Any changes to information previously provided under this clause.

This requirement is in addition to visit request procedures contained in [DOD 5220.22-M](#), National Industrial Security Program Operating Manual.

(b) Prior to beginning operations involving classified information on an installation identified on the [DD Form 254](#) where the contractor is not required to have a facility security clearance, the contractor shall enter into a Visitor Group Security Agreement (or understanding) with the installation commander to ensure that the contractor's security procedures are properly integrated with those of the installation. As a minimum, the agreement shall identify the security actions that will be performed:

- (1) By the installation for the contractor, such as providing storage and classified reproduction facilities, guard services, security forms, security inspections under [DOD 5220.22-M](#), classified mail services, security badges, visitor control, and investigating security incidents; and

(2) Jointly by the contractor and the installation, such as packaging and addressing classified transmittals, security checks, internal security controls, and implementing emergency procedures to protect classified material.

(End of clause)

5352.223-9000 Elimination of Use of Class I Ozone Depleting Substances (ODS)

ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (NOV 2012)

(a) Contractors shall not:

(1) Provide any service or product with any specification, standard, drawing, or other document that requires the use of a Class I ODS in the test, operation, or maintenance of any system, subsystem, item, component, or process; or

(2) Provide any specification, standard, drawing, or other document that establishes a test, operation, or maintenance requirement that can only be met by use of a Class I ODS as part of this contract/order.

[Note: This prohibition does not apply to manufacturing.]

(b) For the purposes of Air Force policy, the following products that are pure (i.e., they meet the relevant product specification identified in [AFI 32-7086](#)) are Class I ODSs:

(1) Halons: 1011, 1202, 1211, 1301, and 2402;

(2) Chlorofluorocarbons (CFCs): CFC-11, CFC-12, CFC-13, CFC-111, CFC-112, CFC-113, CFC-114, CFC-115, CFC-211, CFC-212, CFC-213, CFC-214, CFC-215, CFC-216, and CFC-217, and the blends R-500, R-501, R-502, and R-503; and

(3) Carbon Tetrachloride, Methyl Chloroform, and Methyl Bromide.

[NOTE: Material that uses one or more of these Class I ODSs as minor constituents do not meet the Air Force definition of a Class I ODS.]

(End of clause)

5352.223-9001 Health and Safety on Government Installations

HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (NOV 2012)

(a) In performing work under this contract on a Government installation, the contractor shall:

(1) Take all reasonable steps and precautions to prevent accidents and preserve the health and safety of contractor and Government personnel performing or in any way coming in contact with the performance of this contract; and

(2) Take such additional immediate precautions as the contracting officer may reasonably require for health and safety purposes.

(b) The contracting officer may, by written order, direct Air Force Occupational Safety and Health (AFOSH) Standards and/or health/safety standards as may be required in the performance of this contract and any adjustments resulting from such direction will be in accordance with the Changes clause of this contract.

(c) Any violation of these health and safety rules and requirements, unless promptly corrected as directed by the contracting officer, shall be grounds for termination of this contract in accordance with the Default clause of this contract.

(End of clause)

5352.242-9000 Contractor Access to Air Force Installations

CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (NOV 2012)

(a) The contractor shall obtain base identification and vehicle passes, if required, for all contractor personnel who make frequent visits to or perform work on the Air Force installation(s) cited in the contract. Contractor personnel are required to wear or prominently display installation identification badges or contractor-furnished, contractor identification badges while visiting or performing work on the installation.

(b) The contractor shall submit a written request on company letterhead to the contracting officer listing the following: contract number, location of work site, start and stop dates, and names of employees and subcontractor employees needing access to the base. The letter will also specify the individual(s) authorized to sign for a request for base identification credentials or vehicle passes. The contracting officer will endorse the request and forward it to the issuing base pass and registration office or Security Forces for processing. When reporting to the registration office, the authorized contractor individual(s) should provide a valid driver's license, current vehicle registration, valid vehicle insurance certificate, any additional requirements to comply with local security procedures, and a copy of the awarded contract to obtain a vehicle pass.

(c) During performance of the contract, the contractor shall be responsible for obtaining required identification for newly assigned personnel and for prompt return of credentials and vehicle passes for any employee who no longer requires access to the work site.

(d) When work under this contract requires unescorted entry to controlled or restricted areas, the contractor shall comply with *AFI 31-101, Integrated Defense, and AFI 31-501, Personnel Security Program Management* citing the appropriate paragraphs as applicable.

(e) Upon completion or termination of the contract or expiration of the identification passes, the prime contractor shall ensure that all base identification passes issued to employees and subcontractor employees are returned to the issuing office.

(f) Failure to comply with these requirements may result in withholding of final payment.

(End of clause)

5352.242-9001 Common Access Cards (CAC) for Contractor Personnel

COMMON ACCESS CARDS (CAC) FOR CONTRACTOR PERSONNEL (NOV 2012)

(a) For installation(s)/location(s) cited in the contract, contractors shall ensure Common Access Cards (CACs) are obtained by all contract or subcontract personnel who meet one or both of the following criteria:

(1) Require logical access to Department of Defense computer networks and systems in either:

(i) the unclassified environment; or

(ii) the classified environment where authorized by governing security directives.

(2) Perform work, which requires the use of a CAC for installation entry control or physical access to facilities and buildings.

(b) Contractors and their personnel shall use the following procedures to obtain CACs:

- (1) Contractors shall provide a listing of personnel who require a CAC to the contracting officer. The government will provide the contractor instruction on how to complete the Contractor Verification System (CVS) application and then notify the contractor when approved.
- (2) Contractor personnel shall obtain a CAC from the nearest Real Time Automated Personnel Identification Documentation System (RAPIDS) Issuing Facility (typically the local Military Personnel Flight (MPF)).
- (c) While visiting or performing work on installation(s)/location(s), contractor personnel shall wear or prominently display the CAC as required by the governing local policy.
- (d) During the performance period of the contract, the contractor shall:
 - (1) Within 7 working days of any changes to the listing of the contract personnel authorized a CAC, provide an updated listing to the contracting officer who will provide the updated listing to the authorizing government official;
 - (2) Return CACs in accordance with local policy/directives within 7 working days of a change in status for contractor personnel who no longer require logical or physical access;
 - (3) Return CACs in accordance with local policy/directives within 7 working days following a CACs expiration date; and
 - (4) Report lost or stolen CACs in accordance with local policy/directives.
- (e) Within 7 working days following completion/termination of the contract, the contractor shall return all CACs issued to their personnel to the issuing office or the location specified by local policy/directives.
- (f) Failure to comply with these requirements may result in withholding of final payment.

(End of clause)

Section J - List of Documents, Exhibits and Other Attachments

EXHIBIT/ATTACHMENT

Exhibit A IAC MAC Contract Data Requirements List (CDRL), DD Form 1423-1

Attachment 1 IAC MAC Fair Opportunity Ordering Procedures

Attachment 2 Issuances Affecting Operation of the DoD IACs