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SECTION I SUPPLIES OR SERVICES AND PRICE/COSTS

NOTE: Both Base Period and both Option Periods have mirroring services identical across each period as these are services that are applied iteratively based on the DHS component, functional area, asset category, and/or stakeholder requirements. Each period has a set of mandatory tasks - defined within a single CLIN - and optional activities that may be independently awarded as separate CLINS.

BASE PERIOD - MANDATORY TASKS (Tasks 1 - 12)

CLIN	Item(s)	Qty.	Unit of Measure	Unit Price	Extended Price
001	Support, Stabilization and Maturation Information Technology Services	18,240	LH	\$	\$

BASE PERIOD - OPTIONAL TASKS (Tasks 13 - 17)

CLIN	Item(s)	Qty.	Unit of Measure	Unit Price	Extended Price
002	Automation of additional regulatory Annual Reporting Requirements	1,440	LH	\$	\$
003	Integration with internal Geospatial Information System/ Geospatial Information Infrastructure Reporting Systems	1,440	LII	\$	
004	Address Clean-up Coordination and the application of Geographic Location Codes	1,440	LH	\$	\$
005	Integration to other Business Intelligence Tenants within Business Intelligence / Data Warehouse Platform	1440	LH	<u>\$</u>	\$

006	Integration to other External and Internal Business Systems	1,920	LH	š	\$
	TOTAL				\$

OPTION PERIOD I - MANDATORY TASKS (Tasks 1 – 12)

CLIN	ltem(s)	Qy.	Unit of Measure	Unit Price	Extended Price
1001	Support, Stabilization and Maturation Information Technology Services	18,240	LH	\$	\$

OPTION PERIOD I - OPTIONAL TASKS (Tasks 13 - 17)

CLIN	Item(s)	Qty.	Unit of Measure	Unit Price	Extended Price
1002	Automation of additional regulatory Annual Reporting Requirements	1,440	LH	\$	\$
1003	Integration with internal Geospatial Information System/ Geospatial Information Infrastructure Reporting Systems	1,440	LH	\$	\$
1004	Address Clean-up Coordination and the application of Geographic Location Codes	1,440	LH	\$	\$
1005	Integration to other Business Intelligence Tenants within Business Intelligence / Data Warehouse Platform	1,440	LH	\$	\$
1006	Integration to other External and Internal Business Systems	1,440	LH	<u>\$</u>	\$

TOTAL		TOTAL	<u> </u>
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OPTION PERIOD II - MANDATORY TASKS (Tasks 1 ~ 12)

CLIN	ltem(s)	Qty.	Unit of Méasure:	Unit Price	Extended Price
2001	Support, Stabilization and Maturation Information Technology Services	18,240	EA	\$	\$

OPTION PERIOD II - OPTIONAL TASKS (Tasks 13 - 17)

CLIN.	liem(s)	Qly.	Unit of Measure	Unit Price	Extended Price
2002	Automation of additional regulatory Annual Reporting Requirements	1,440	LH	\$	\$
2003	Integration with internal Geospatial Information System/ Geospatial Information Infrastructure Reporting Systems	1,440	LH	\$	\$
2004	Address Clean-up Coordination and the application of Geographic Location Codes	1,440	LH	\$	\$
2005	Integration to other Business Intelligence Tenants within Business Intelligence / Data Warehouse Platform	1,440	LH	\$	\$
2006	Integration to other External and Internal Business Systems	1,440	LH	<u>\$</u>	\$
	TOTAL				\$

1.0 TASK ORDER TYPE

This is a Labor Hour (LH) task order placed against General Services Administration (GSA), Multiple Award Schedule 874 Mission Oriented Business Integrated Services (MOBIS). For the consideration set forth in the task order, the Contractor shall provide the deliverables or outputs described in Sections II, and V.

2.0 FREQUENTLY USED ABBREVIATIONS

Abbreviation	Despision
ALM:	Asset & Logistics Management (Division within OCAO)
AMDW	Asset Management Data Warehouse
AMP:	Asset Management Plan
BI:	Business Intelligence
BI/DW:	Business Intelligence / Data Warehouse
CAO:	Chief Administrative Officer
CAPSIS	CAO Asset Portfolio and Sustainability Information System
CIO:	Chief Information Officer
CFO:	Chief Financial Officer
CO;	Contracting Officer
COR:	Contracting Officer's Representative
CORE:	Capabilities, Objectives, Resources & Evaluative Methods
COR:	Contracting Officer Representative
CRP:	Conference Room Pilot
DHS:	U.S. Department of Homeland Security
DW:	Data Warehouse
EAPMO:	Enterprise Architecture Project Management Office (within OCIO)
EO:	Executive Order
ETL:	Extract, Transform, Load
ESDO:	Enterprise System Development Office (within OCIO)
EVM:	Earned Value Management
FAIRS:	Federal Aviation Interactive Reporting System
FAST:	Federal Automotive Statistical Tool
FIPS:	Federal Information Processing Standard
FMARS	Federal Management Analysis and Reporting System
FMVRS	Federal Motor Vehicle Reporting System
FIPS:	Federal Information Processing Standard
FOUO:	For Official Use Only
GAO:	General Accountability Office
GII:	DHS Geospatial Information Infrastructure
GIS:	Geospatial Information System
MAPP:	Mobile Assets & Personal Property Office (within OCAO ALM)
MNGT:	Management, DHS Headquarters Component
NISPOM:	National Industrial Security Program Operating Manual
NIST:	National Institute of Standards & Technology

OBIEE:	Oracle Business Intelligence Enterprise Edition
OCAO:	Office of the Chief Administration Officer (previous office title now referred to as CRSO)
OCRSO	Office of the Chief Readiness Support Officer
OIG:	Office of the Inspector General
OMB:	Office of Management & Budget
POC:	Point of Contact
POP:	Period of Performance
PPRT:	Personal Property Reporting Tool
RPDW	Real Property Data Warehouse
SAMS:	Sunflower Asset Management System
SELC:	Software Engineering Life Cycle
SOW:	Statement of Work
SPMS	Sustainability Performance Management System
TASC:	Transformation and Systems Consolidation
TBD:	To Be Determined
UAT:	User Acceptance Testing

SECTION II DESCRIPTION/SPECIFICATIONS STATEMENT OF WORK

1.0 GENERAL

2.0 OBJECTIVE

The object of this Statement Of Work is to stabilize, mature and populate the DHS Office of the Chief Administrative Officer's web-based data warehouse solution, specifically for the Real Property and Personal Property schemas. This solution, referred to as CAO Asset Portfolio and Sustainability Information System (CAPSIS) provides data reporting and analytical processing capabilities that support the strategic management and implementation of the vision, business lines, and policies of the OCAO's Asset Management programs. These business lines include, but may not be limited to Buildings, Land Structures, Mobile Assets (Aviation, Motor Vehicle and Marine assets), and sensitive and general Personal Property. CAPSIS utilizes the Oracle Business Intelligence Enterprise Edition (OBIEE), Oracle Database, and Informatica applications. It is the intention of the OCAO to extend its capability to support the mission through the strategic collection, portfolio review and analysis of data, and the reporting of actionable information to DIIS leadership and the United States Congress.

OCAO will have a concurrent, parallel project addressing the OCAO business lines of Energy and Environmental Management. These two projects will ultimately be integrated under the same, existing technology platform; thus, coordination across these two projects will need to be continuously maintained.

The OCIO Enterprise Software Development Office (ESDO) is the OCAO's technical partner for hosting and operating the aforementioned applications of which CAPSIS resides. ESDO will be proving technical expertise and infrastructure processes across the project's lifecycle.

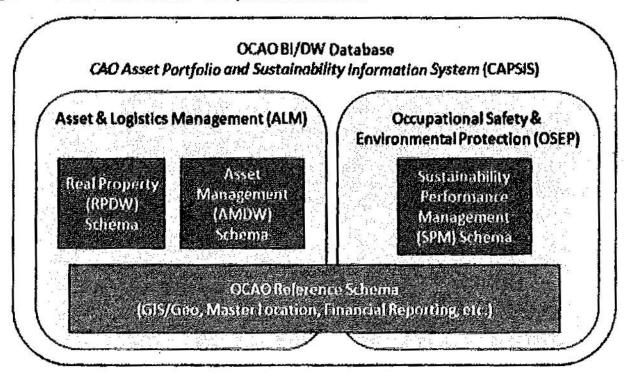
3.0 BACKGROUND

The Office of the Chief Administrative Officer (OCAO) is responsible for Departmental policy and management oversight of the business functions of Real Property, Personal Property, Mobile Assets, Environment, and Energy Management. OCAO is tightly organized around these business functions. OCAO has developed and deployed a centralized repository for reporting against its portfolio of Real, Personal, and Mobile Assets, and the Environmental and Energy performance of the Department's assets and resources. Further maturation of the solution's reporting capabilities and execution of component-specific and asset-specific data population strategies are still necessary to ensure OCAO can diminish its reliance on manual, time-intensive, unreliable, and inefficient data calls within each of its business lines.

OCAO has recognized, designed and deployed the CAPSIS solution as a means to address the requirement to establish a portfolio-level reporting capability that is consistent and reflective of the Department's portfolio of assets and its performance against environmental and energy regulations and standards. OCAO recognizes this tool, once stabilized, matured and populated, will have substantial value to multiple stakeholder organizations across the Department and will

support the strategic management and implementation of the vision, business lines, and policies of the OCAO within Asset Management. For the purposes of this RFQ, the business lines include, but may not be limited to Real Property, Personal Property, Mobile Assets, and secondarily, Energy and Environmental management.

Figure 1.1 - OCAO CAPSIS Solution - Conceptual Functional Model



DHS components within scope and customers of the CAPSIS solution:

- Customers and Border Patrol (CBP)
- Domestic Nuclear Detection Office (DNDO)
- Federal Emergency Management Agency (FEMA)
- Federal Law Enforcement Training Center (FLETC)
- Immigration & Customs Enforcement (ICE)
- DHS Headquarters and Management (MNGT)
- National Protection & Programs Directorate (NPPD)
- Science & Technology (S&T)
- Transportation Security Office (TSA)
- United States Citizenship and Immigration Services (USCIS)
- United Statues Coast Guard (USCG)
- United States Secret Service (USSS)

Projected scope of CAPSIS solution by end of FY 12:

- Real Property
 - o 8 dashboards
 - o 20 top-level OBIEE canned reports
 - Average of 3 4 drill path reports per report
 - o 50-60 component users
 - o 10 OCAO users
 - Supporting Ad Hoc and Geospatial reporting capabilities within OBIEE
 - o RPDW Database Tables:
 - 25-30 Dimensional Tables
 - 3-4 Staging Tables
 - 4 History Tables
 - 20-30 Reference Tables
- Personal Property and Mobile Assets
 - o 8 dashboards
 - o 30 top-level OBIEE canned reports
 - Average of 4 drill path reports per report
 - o 80 90 component users
 - o 10 OCAO users
 - Supporting Ad Hoc and Geospatial reporting capabilities within OBIEE
 - Number of estimated DB tables for AMDW.
 - 15-20 Dimensional Tables
 - 8-12 Staging Tables
 - 5 Fact Tables

4.0 SCOPE

This program will involve simultaneously supporting a production-level application, specifically for the AMDW and RPDW schemas, reports, and users, while working with subject matter experts from both OCAO and DHS components to further populate, stabilize, refine and extend the solution. The project team will need to conduct extensive project, communications, and customer management across both unique tracks – Real and Personal Property - and all customer bases.

Functionally the program will require competencies related to functional requirements documentation, Business Intelligence systems design, source-to-field integration mapping, Geospatial / GIS management, customer (component) management, communications, change management, training, and familiarity with federal property management – real, personal and mobile property – and their rules, regulations, reporting requirements, and best practices.

Technically the program will require competencies related to OBIEE design and development, Extract-Transform-Load (ETL) design and development through *Informatica*, Information Systems Security management and coordination, *Oracle* database management, Geospatial / GIS design and development in OBIEE and point-to-point systems interface design and development. The Contractor shall leverage a pre-existing solution including a production environment to include Oracle database, Informatica for ETL and Oracle Business Intelligence Enterprise

Edition for the reporting capability. The Contractor is not expected to procure any licensing or hardware, but will need to provide technical experience in the above listed technologies.

All development and deployment will happen in this existing environment in a DHS data center. DHS owns all source data, and data that will flow through the warehouse, ETL and Business Intelligence system. The Contractor will ensure the solution meets DHS security requirements and will prepare the documentation for a security STE and subsequent security approval, pending the STE results.

5.0 TASK ORDER ACTIVITIES

Approvals of progress, submittals are required for each task as follows: 25% documented, 50% documented, 95% documented and 100% documented. The contractor shall address, at a minimum, the tasks listed below, and shall propose any additional tasks that may be needed for the successful completion of this project.

6.0 APPLICABLE DOCUMENTS

All documents listed below influence the policies, data elements, business rules, and dynamic relationships between elements found within CAPSIS. All can be found utilizing a search engine on the internet:

Executive Orders Pertaining to Mobile Asset Fuel Consumption:

- a. E.O. 13514: "Federal Leadership in Environmental, Energy, and Economic Performance"
- E.O. 13423: "Strengthening Federal Environmental, Energy, and Transportation Management
- c. E.O. 13327 "Federal Real Property Asset Management:

GAO Audit Findings:

d. GAO-04-664: "Federal Acquisition - Increased Attention to Vehicle Fleets Could Result in Savings"

OIG Audit Findings:

- e. OIG-09-89: "Consolidated Report on DHS' Management of 2005 Gulf Coast Hurricanes Mission Assignment Funding"
- f. OIG-10-41: "DHS Controls Over Firearms"
- g. OIG-10-110-AUD-DHS: "DHS Department-wide Management of Detection Equipment"

External Reporting Sources - Annual Reporting Requirements:

- h. GSA "Personal Property Reporting Tool" (PPRT)
- i. GSA "Federal Automotive Statistical Tool" (FAST)
- j. GSA "Federal Aviation Interactive Reporting System" (FAIRS)
- k. GSA "Federal Motor Vehicle Reporting System" (FMVRS)
- I. GSA "Federal Real Property Profile" (FRPP)

7.0 MANDATORY TASKS

Populate, Stabilize and Mature CAPSIS Solution for Real, Personal and Mobile Assets

The Contractor shall demonstrate proficiencies and qualifications with the following BI / DW applications - Oracle OBIEE 11g, Oracle Database, and Informatica – and managing in a multitenant platform.

NOTE: Allocation of Funds by Labor Hour. Upon agreement between the COR and the Project Manager, estimated funds distributed amongst labor categories may be re-allocated to meet the evolving needs of the Program when approved by the COR. However, sufficient funds shall be allocated to maintain an agreed upon, consistent staffing level across all months of the period of performance. The proposal and agreement must be in writing and may be confirmed by emails between the COR and Project Manager. Copies of these emails shall be sent to the Contracting Officer.

7.1 Task 1 Project Management

The Contractor shall provide a Project Management plan and schedule to support the successful delivery of the tasks, and critical milestones outlined in this SOW. The project management functions will be overseen by a Government official from OCAO. The Contractor shall follow the DHS SELC processes for system lifecycle tasks and have a focus on an agile, iterative development approach.

7.2. Task 2 Management of CAPSIS Segment Architecture for RPDW, AMDW and Geospatial solutions

The Contractor shall be responsible for maintaining the currency and accuracy of the CAPSIS solution's conceptual data model and a logical data model for the Data Warehouse, as defined in the DHS Enterprise Architecture requirements for a technical and business reference model. The activities of maintaining this artifact current shall include, but not limited to, the following:

- Identify and document the Data Warehouse data entities
- Define and document relationship between entities and attributes. Construct an association matrix cross referencing entities to entities
- Maintain a Conceptual Data Model
- Maintain a Logical Data Model

The Contractor shall ensure that the data model supports a flexible, scalable, and usable Data Warehouse design and is consistent with best practices, including GSA and other Federal Agencies where cross functional application would be interchanged, where applicable. Consideration of the NIEM standard will be given on an individual basis for input and exports of data and may be fully adopted.

These aforementioned models will be developed in conjuncture with the teams establishing the Energy and Environmental Management (SPM) schema. The objective is to develop models that are reflective of each of the OCAO business lines and their interrelationships within their respective data dictionaries.

The Contractor shall demonstrate knowledge of architecture, design, configuration, stabilization and customer adoption of business intelligence / data warehouse solutions in the civilian federal government in the areas of federal real, personal and mobile asset management.

7.3 Task 3 Stakeholder Management to include coordination of Interagency Security Agreements (ISAs) and Memorandums of Understanding (MOUs)

The Contractor shall support program communications through OCAO Functional Leads and in some instance Functional Working Groups" for the individual OCAO business lines — Real Property, Personal Property, Aviations, and Mobile Asset management — that will be supported in the Data Warehouse. Each "Functional Working Group" will facilitate and maintain a corresponding glossary of terms that will be the baseline for establishing the Data Warehouse's data dictionary. The CAPSIS data dictionary will be coordinated through the DHS Enterprise Architecture (EAPMO) for inclusion in the segment architecture.

The contractor shall be responsible for internal and external stakeholder management and communications. Internal stakeholders include the OCIO ESDO resource team, OCAO functional resources, and SPM project team. External stakeholders include functional, technical, and security resources from each of the components and other DHS Management CXOs.

The desired component population strategy is point-to-point integration, which requires Interagency Security Agreements (ISAs) be coordinated between ESDO, OCAO and each respective system owner when necessary:

The Contractor shall coordinate the communications across the ESDO, OCAO and Component's Information Systems Security officers and managers to ensure all documentation is produced to establish and maintain ISAs per system and/or business owner.

7.4 Task 4 Quality Control, Testing & Review of ETL and OBIEE Design and Development

The Contractor shall be responsible for conducting all test cycles – unit, regression, and User Acceptance Testing (UAT) – with the objective to ensure that a quality product is delivered to OCAO and its customers. All testing will be conducted against the recognized requirements traceability matrix and wireframe design documents.

The Contractor shall facilitate and conduct these test and review activities in conjunction with the completion of recognized milestones and submittal of deliverables. The OCAO shall assign a representative that oversees the performance of these activities. The Contractor shall develop the test scripts and plans for review by OCRSO.

7.5 Task 5 Mature Ad Hoc Reporting Capability

The ability to mature and continually refine an ad hoc reporting capability to the CAPSIS user base is paramount to the success of the solution as a management tool.

The Contractor shall ensure that the user ad hoc reporting requirements are documented, designed and developed into the CAPSIS solution through either the OBIEE out-of-the box functionality or through other Oracle tools available within the Oracle application suite, such as Application Express. The Contractor shall also provide training to the CAPSIS user community on how to utilize the CAPSIS ad hoc reporting capability.

7.6 Task 6 Operations & Maintenance of the System Infrastructure

No hosting services are anticipated for the fulfillment of this task; however, the Contractor may need to clone and deploy development and test environments on their own network for an intermediate timeframe while their personnel gain clearances to work on the DHS network. All DHS data will be scrambled to protect its integrity when outside of the DHS network.

Operations and maintenance of the infrastructure supporting the production system (servers, network, operating system, etc.) shall be managed by a different contract. The Contractor needs to submit the deliverables outlined in the SOW to support an ease of transition to the O&M Contractor. It is expected that the Contractor will ensure the reports, schemas and other application tier support is managed with OCAO's partners as CAPSIS is matured through iterative releases.

The Contractor shall demonstrate proficiencies and experience in coordinating and managing releases in a shared services platform that is managed, controlled, and maintained by a third party organization. Ensuring all promoting packages adhere to established policies and procedures.

7.7 Task 7 Tier 3 Support Services

Upon the CAPSIS solution's deployment at the end of FY 12, it is anticipated that the system and the user community will need to be stabilized and supported. It is anticipated that the resources dedicated to this activity will provide Tier 3 Support in the form of identifying reporting deficiencies ("bugs"), documenting new reporting requirements, supporting users to generate ad hoc reports and supporting the OBIEE reports development. Support must be available via telephone and e-mail at a minimum during the hours of 9:00 a.m. to 5:00 p.m., United States Eastern Time, Monday through Friday, exclusive of Government holidays.

Training may be comprised of documenting desktop user guides, manuals, and hands-on (e.g., classroom) instructor-lead curriculum.

7.8 Task 8 Data Standardization and Maturation

To ensure that the CAPSIS solution is maintained as a reliable and comprehensive source of asset portfolio information, a data tailoring and maturation framework is required. This framework, which be an input for an over data population strategy applied to each Component, will need to map all attributes to the CAPSIS data model, individual OBIEE report and emerging OBIEE requirements.

This task will involve developing and managing strategies for extending, maturing and standardizing the CAPSIS data dictionary and all collateral impacts the added or modified

elements may have on existing OBIEE reports. This activity will be an ongoing activity for both personal and real property, yet will be specifically required each year in response to the annual Federal Real Property Counsel's guidance on emerging FRPP requirements.

When new data elements are added or modified to the CAPSIS solution's data dictionary, a data population strategy (subsequent task 2.2) will need to be performed to ensure that the element is consistently captured by each Component.

The Contractor shall demonstrate familiarity and experience with the COTS-based applications (transactional systems), considered source (feeder) systems to the Bl/DW solution, represented across the Department to include, but not limited to:

- Business Objects
- Maximo
- Momentum
- Oracle Fixed Assets
- SAP Asset Accounting and Equipment Management modules
- Sunflower Systems
- Tririga

7.9 Task 9 Component-Specific Data Population Strategy and Execution

Because of the vast inconsistencies in technologies and systems being used across the Department, there is a requirement to ensure each Component has a specific strategy for submitting their data into the CAPSIS solution and having their data transformed into the recognized DHS standard. Each Component's strategy will need to be refined and matured over time as Component's individual processes and technologies are mature. Additionally, one individual population strategy may not be sufficient for each Component. A population strategy may need to be tailored for each asset type or sub-component to ensure a comprehensive population approach to the Component's portfolio of assets.

Each component data population will include a data cross-walk and data transformation matrix to demonstrate source-to-file mappings into the CAPSIS data model. These artifacts will be the basis for Extract-Transform-Load (ETL) code development and for populate the CAPSIS database. Data entry graphical user interfaces, batch upload templates, and direct point-to-point system integration will be given consideration for populating the CAPSIS solution. Reports to provide visibility from source-to-file mappings will be considered to provide visibility of this data transformation.

Additionally, to enable standardize reporting across the DHS components – that is support "applies-to-apples" reporting – CAPSIS will include standardized reference structures in the areas of "Asset Type", "Locations", "Acquisition Methods", "Disposition Methods" etc. Each component's data will need to be mapped and cross-walked against the recognized reference structures with supporting reports to demonstrate the conversion of the source data to the converted structure.

The Contractor shall be responsible for validating the source-to-file mapping documentation and utilizing these documents as the formal design documents for ETL development.

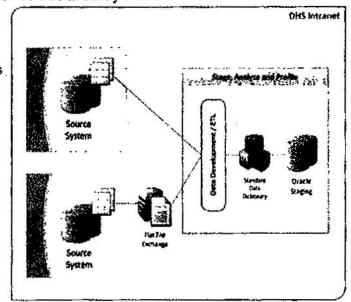
The Contractor shall demonstrate proficiencles working with the various DHS components, their unique missions, and these affects on individual requirements pertaining to the management of real, personal and mobile assets.

Overview of Data Submission Strategies

Preferred approach is to establish Point-to-Point connections with Component source systems

- Point-to-Point Integration
 - Reduces administrative burden
 - Reduces error rate
 - Allows for more frequent data runs
- Flat File Exchange
 - Provides simple and repeatable method for data transfer
 - Requires manual execution and oversight
 - Diminishes risks associated with missing data for processing
 - Components bear burden of submitting data in recognized format
- Direct Data Entry
 - CAPSIS data entry GUIs for specific data points





7.10 Task 10 Geospatial / GIS Reporting Capabilities

CAPSIS will utilize the OCIO Geospatial Management Office's (GMO) enterprise geospatial management services to geo-code each asset's address and apply geographic location coordinates (GLC). The Contractor shall develop a coordinated process with the Components to review all assets that are not to mapped to a single set of geographic location coordinates and map the asset to a single set of GLCs and recognized physical address.

The Contractor shall also design, mature and develop the suite of OCAO's Geo Spatial management reporting capabilities through OBIBE and other available Oracle tools. Unlike the other tasks that are relegated to the functions of Real, Personal and Mobile Asset management, this task also applies to the Environment and Energy functions within the Sustainability

Performance Management track of the CAPSIS solution. The objective is to provide a single Geo Spatial management reporting capability to OCAO and its customers.

There is also a requirement to use the CAPSIS as the system of record for real and personal property assets' Geographic Location Codes to source data to the Department's Geographic Information System (GII). The Contractor may be required to develop a point-to-point interface to publish asset details and GLCs to the GII system.

The Contractor will demonstrate proficiencies and qualifications in Geospatial Analytics and implementing processes for standardizing data for consistent Geospatial reporting.

7.11 Task 11 Ongoing OBIEE Reporting Requirements, Analysis and Development

The expanding population and consolidation of the Department's asset data will increase the number of stakeholders and expand requirements related to extracting and reporting data from the CAPSIS solution.

The Contractor shall be responsible for the documenting, designing, enhancing and developing additional OBIEE (currently in version 11g) dashboards and reports as defined by OCAO and DHS components. The contractor will be responsible for ensuring all OBIEE dashboards and reports are designed consistently regarding branding, style, navigation, behavior and export features.

The expectation is to the extent possible that OBIEE 11g allows all export and reporting capabilities will generate to the asset (unit) level details.

Additionally, the Department has to generate numerous annual regulatory reports that are mandated by GSA, OMB and other oversight bodies. Examples of these annual reports include:

- a) GSA Federal Automotive Statistical Tool (FAST)
- b) GSA Personal Property Reporting Tool (PPRT)
- c) GSA Federal Aviation Interactive Reporting System (FAIRS)
- d) GSA Federal Real Property Profile (FRPP)

The ability to generate the required reports for these systems utilizing their published templates and business rules is a capability that will be given consideration as the CAPSIS solution matures and is comprehensive populated.

7.12 Task 12 Advanced Data Quality Analysis and Reconciliation Facilitation

The objective of this task is to develop data quality reports within OBIEE representing where individual component's either lack specific data elements to generate and populate specific reports and/or data quality is insufficient to utilize specific reports.

The Contractor will be responsible for providing analysis of the individual component's data as compared to the recognized CAPSIS data dictionaries and standardized reference structures. The Contractor will also provide and coordinate corrective action recommendations to conform the data to the standard or quality with appropriate oversight tools.

8.0 OPTIONAL TASKS

The CLINs and tasks defined below are considered optional and will be awarded bases on future need and overall maturation of the CAPSIS solution. The government may chose to award these line items individually at any time within the identified periods within this contract on a labor hour basis.

8.1 Task 13 Automation of additional regulatory Annual Reporting Requirements

As the CAPSIS solution matures and further data gets centralized and aggregated into it, additional opportunities to automate congressional and annual reporting requirements shall be given consideration. This CLIN will allow for additional services to automate the generation of these reports with all the published business rules and templates embedded while providing component-level transparency and validation. It may also be needed to modify and/or update the CAPSIS solution to account for annual changes made by the business owners of these systems. Examples of the reporting requirements, as indicated above, include:

- GSA Federal Automotive Statistical Tool (FAST)
- GSA Personal Property Reporting Tool (PPRT)
- GSA Federal Aviation Interactive Reporting System (FAIRS)
- GSA Federal Real Property Profile (FRPP)

8.2 Task 14 Integration with internal GIS / GII Reporting Systems

This activity is to coordinate and consider factors and solutions for developing integration between CAPSIS with the DHS CIO Geospatial Management Office (GMO) and other component-managed GIS / Geospatial management systems to integrate and standardize administrative layers, geo-coding standards, and/or physical addresses.

8.3 Task 15 Address Clean-up Coordination and the application of Geographic Location Codes

Personal and mobile assets are stored within and their records associated with Real Property asset records; however, this relationship is not established and maintained within the component-based transactional system of records. This activity is to identify and facilitate resolution of records meeting the following criteria:

- Personal and mobile asset records that are not affiliated with a real property record and/or do not have a valid physical address that can be geo-coded
- Personal and mobile asset records that do not have sufficient or standardized address attributes or GLCs to map to a real property record or be geo-coded
- Real Property records that do not have sufficient physical address attributes or GLCs to be successfully geo-code

8.4 Task 16 Integration to other BI Tenants within BI/DW Platform

OCAO is one of numerous tenants, to include, but not limited to the Chief Financial Officer (CFO), Chief Information Officer (CIO), Chief Human Capital Officer (CHCO), in the ESDO hosted BI / DW platform. There may be future need to publish and consume data from these other tenants as means to propagate data across the department and to further reduce the need for data calls. This activity is to coordinate data models and schemas across components to share information and to make further use of it. Examples of how data may need to be shared across the chief executive offices include:

- Publishing asset related financial data to the CFO for summary financial reporting and reconciliation purposes
 - o Capitalizations
 - o Depreciation
 - o Write-offs / retirements
 - o Reclassifications
- Publishing and standardizing location information of DHS real property to CHCO and the Chief Security Officer for the standardized assignment of personnel to buildings, land and structures
- Consuming procurement documents for real and personal awards for asset reconciliation and receiving purposes

8.5 Task 17 Integration to other External and Internal Business Systems

There are internal and external IT business systems that house data, which the Department needs to have coordinated with its asset data managed in the Data Warehouse. Determining how to coordinate data from these systems and partnering it with the DHS asset data shall be conducted. Systems for consideration whose data needs to be partnered with related DHS asset records and require specific reports include:

Each of these interfaces will be awarded on individual CLINs considered for individual awards:

- DHS Federal Management Analysis and Reporting System (FMARS) or comparable DHS fuel-purchase system, which is a system track tracks individual fuel purchases on fuel credit cards.
 - This internally developed DHS system is integrated with the JP Morgan Chase SmartPay2 fuel card system. It has extensive existing reporting capabilities. This system is scheduled
- GSA Federal Motor Vehicle Registration System (FMVRS)
- DLA-Energy
 - o System that provides DHS Bulk Fuel purchasing capabilities
- GSA Fleet Drive-thru
 - o Reports Carryout
 - o Mileage Express

- o Rent-Over-Web ((ROW) or related Rent billing system)
- o GSA Occupancy Agreement generation system
- o System for Tracking and Administering Real Property (STAR)

Developing a platform to partner DHS data with information housed in these specific aforementioned systems will be given individual consideration and may approached independently of each other.

9.0 CONTRACTOR PERSONNEL

9.1 Qualified Personnel

The Contractor shall provide qualified personnel to perform all requirements specified in this task order. The Contractor personnel shall have subject matter expertise in all phases of the System Engineering Life Cycle (SELC) and Agile / Iterative Release especially as it applies to the design, development, stabilization, maturity, and deployment of this scale of a Data Warehouse program.

They should also have expertise in the areas of asset and logistics management and asset management regulations and policies. In addition, the Contractor shall provide personnel and resources possessing the necessary supporting knowledge, skills, and abilities as follows:

- a. Expertise in Personal Property policies and regulations
- b. Expertise in asset management life cycle
- c. Expertise in costing analysis
- d. Expertise in Mobile Asset management (Aviation, Motor Vehicle and Marine assets)
- e. Project management
- f. System Engineering Life Cycle (SELC) to include required documentation
- g. IT related asset management (real, personal and mobile asset property) services
- h. Systems analysis
- i. Computer software programming
- j. Expertise in Agile development and rapid prototyping for business intelligence and data warehousing capabilities
- k. Expertise in Oracle Business Intelligence Enterprise Edition and Informatica solutions
- Software/IT solutions evaluations to include data architecture and logical and physical models
- m. Data integration
- Organization assessments

- o. Process improvement
- p. Organizational change management
- q. Technical writing and documentation
- r. Energy and Environmental performance and industry best practices.

9.2 Project Management Team (Key Personnel)

The Contractor shall provide and identify three personnel resources – a Project Manager, Technical Lead, and Functional Lead - responsible for all Contractor work performed under this task order.

The Project Manager shall be a single point of contact (POC) for the Contracting Officer (CO) and the Contracting Officer's Technical Representative (COR). It is anticipated that the Project Manager shall be one of the senior level employees provided by the Contractor for this work effort.

The name of Project Manager, and the name(s) of any alternate(s) who shall act for the Contractor in the absence of the Project Manager, shall be provided to the Government as part of the Contractor's proposal. During any absence of the Project Manager, only one alternate shall have full authority to act for the Contractor on all matters relating to work performed under this task order. The Project Manager and all designated alternates shall be able to read, write, speak and understand English. Additionally, the Contractor shall not replace the Project Manager without prior written approval from the Contracting Officer.

The Project Manager shall be available to the COR via telephone between the core hours of 8:00 a.m. and 3:00 p.m. ET, Monday through Friday, and shall respond to a request for discussion or resolution of technical problems within 4 hours of notification. The Project manager will, within 2 hours of notification make themselves available to the COR on-site as requested and if necessary.

Before replacing any individual designated as Key by the Government, the Contractor shall notify the Contracting Officer no less than 15 business days in advance, submit written justification for replacement, and provide the name and qualifications of any proposed substitute(s). All proposed substitutes shall possess qualifications equal to or superior to those of the Key person being replaced. The Contractor shall not replace Key Contractor personnel without acknowledgment from the Contracting Officer.

The Project Manager, Technical Lead, and Functional Lead, for example, assigned to this task order shall be designated as Key.'

10.0 EMPLOYEE CONDUCT

The Contractor employees shall comply with all applicable Government regulations, policies and procedures (e.g., fire, safety, sanitation, environmental protection, security, "off limits" areas,

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2.0 FREQUENTLY USED ABBREVIATIONS

Abbreviation	Definition						
ALM:	Asset & Logistics Management (Division within OCAO)						
AMDW	Asset & Logistics Management (Division Within OCAO) Asset Management Data Warehouse						
AMP:							
CAO:	Asset Management Plan Chief Administrative Officer						
CAPSIS	A CONTROL OF A CONTROL OF THE ACT						
CIO:	CAO Asset Portfolio and Sustainability Information System Chief Information Officer						
CFO:	Chief Financial Officer						
CO:	Contracting Officer						
COR:	the state of the s						
	Contracting Officer's Representative						
CORE:	Capabilities, Objectives, Resources & Evaluative Methods						
COTR:	Contracting Officer Technical Representative						
CRP:	Conference Room Pilot						
DHS:	U.S. Department of Homeland Security						
DW:	Data Warehouse						
ЕЛРМО:	Enterprise Architecture Project Management Office (within OCIO)						
EO:	Executive Order						
ETL:	Extract, Transform, Load						
ESDO:	Enterprise System Development Office (within OCIO)						
EVM:	Earned Value Management						
FAIRS:	Federal Aviation Interactive Reporting System						
FAST:	Federal Automotive Statistical Tool						
FIPS:	Federal Information Processing Standard						
FMARS	Federal Management Analysis and Reporting System						
FMVRS	Federal Motor Vehicle Reporting System						
FIPS:	Federal Information Processing Standard						
FOUO:	For Official Use Only						
GAO:	General Accountability Office						
MAPP:	Mobile Assets & Personal Property Office (within OCAO ALM)						
MNGT:	Management, DHS Headquarters Component						
NISPOM:	National Industrial Security Program Operating Manual						
NIST:	National Institute of Standards & Technology						
OBIEE:	Oracle Business Intelligence Enterprise Edition						
OCAO:	Office of the Chief Administration Officer						
OIG:	Office of the Inspector General						
OMB:	Office of Management & Budget						
POC:	Point of Contact						
POP:	Period of Performance						
PPRT:	Personal Property Reporting Tool						
RPDW	Real Property Data Warehouse						
SAMS:	Sunflower Asset Management System						
SELC:	Software Engineering Life Cycle						

NISPOM:	National Industrial Security Program Operating Manual		
NIST:	National Institute of Standards & Technology		
OBIEE:	Oracle Business Intelligence Enterprise Edition		
OCAO: Office of the Chief Administration Officer (previous office to referred to as CRSO)			
OCRSO	Office of the Chief Readiness Support Officer		
OIG:	Office of the Inspector General		
OMB:	Office of Management & Budget		
POC:	Point of Contact		
POP:	Period of Performance		
PPRT:	Personal Property Reporting Tool		
RPDW	Real Property Data Warehouse		
SAMS:	Sunflower Asset Management System		
SELC:	Software Engineering Life Cycle		
SOW:	Statement of Work		
SPMS	Sustainability Performance Management System		
TASC:	Transformation and Systems Consolidation		
TBD:	To Be Determined		
UAT:	User Acceptance Testing		

SECTION II DESCRIPTION/SPECIFICATIONS STATEMENT OF WORK

1.0 GENERAL

2.0 OBJECTIVE

The object of this Statement Of Work is to stabilize, mature and populate the DHS Office of the Chief Administrative Officer's web-based data warehouse solution, specifically for the Real Property and Personal Property schemas. This solution, referred to as CAO Asset Portfolio and Sustainability Information System (CAPSIS) provides data reporting and analytical processing capabilities that support the strategic management and implementation of the vision, business lines, and policies of the OCAO's Asset Management programs. These business lines include, but may not be limited to Buildings, Land Structures, Mobile Assets (Aviation, Motor Vehicle and Marine assets), and sensitive and general Personal Property. CAPSIS utilizes the Oracle Business Intelligence Enterprise Edition (OBIEE), Oracle Database, and Informatica applications. It is the intention of the OCAO to extend its capability to support the mission through the strategic collection, portfolio review and analysis of data, and the reporting of actionable information to DHS leadership and the United States Congress.

OCAO will have a concurrent, parallel project addressing the OCAO business lines of Energy and Environmental Management. These two projects will ultimately be integrated under the same, existing technology platform; thus, coordination across these two projects will need to be continuously maintained.

The OCIO Enterprise Software Development Office (ESDO) is the OCAO's technical partner for hosting and operating the aforementioned applications of which CAPSIS resides. ESDO will be proving technical expertise and infrastructure processes across the project's lifecycle.

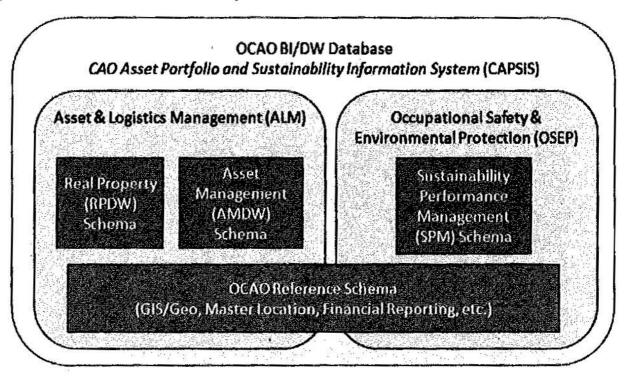
3.0 BACKGROUND

The Office of the Chief Administrative Officer (OCAO) is responsible for Departmental policy and management oversight of the business functions of Real Property, Personal Property, Mobile Assets, Environment, and Energy Management. OCAO is tightly organized around these business functions. OCAO has developed and deployed a centralized repository for reporting against its portfolio of Real, Personal, and Mobile Assets, and the Environmental and Energy performance of the Department's assets and resources. Further maturation of the solution's reporting capabilities and execution of component-specific and asset-specific data population strategies are still necessary to ensure OCAO can diminish its reliance on manual, time-intensive, unreliable, and inefficient data calls within each of its business lines.

OCAO has recognized, designed and deployed the CAPSIS solution as a means to address the requirement to establish a portfolio-level reporting capability that is consistent and reflective of the Department's portfolio of assets and its performance against environmental and energy regulations and standards. OCAO recognizes this tool, once stabilized, matured and populated, will have substantial value to multiple stakeholder organizations across the Department and will

support the strategic management and implementation of the vision, business lines, and policies of the OCAO within Asset Management. For the purposes of this RFQ, the business lines include, but may not be limited to Real Property, Personal Property, Mobile Assets, and secondarily, Energy and Environmental management.

Figure 1.1 - OCAO CAPSIS Solution - Conceptual Functional Model



DHS components within scope and customers of the CAPSIS solution:

- Customers and Border Patrol (CBP)
- Domestic Nuclear Detection Office (DNDO)
- Federal Emergency Management Agency (FEMA)
- Federal Law Enforcement Training Center (FLETC)
- Immigration & Customs Enforcement (ICE)
- DHS Headquarters and Management (MNGT)
- National Protection & Programs Directorate (NPPD)
- Science & Technology (S&T)
- Transportation Security Office (TSA)
- United States Citizenship and Immigration Services (USCIS)
- United Statues Coast Guard (USCG)
- United States Secret Service (USSS)

Projected scope of CAPSIS solution by end of FY 12:

- Real Property
 - o 8 dashboards
 - o 20 top-level OBIEE canned reports
 - Average of 3 4 drill path reports per report
 - o 50-60 component users
 - o 10 OCAO users
 - Supporting Ad Hoc and Geospatial reporting capabilities within OBIEE
 - o RPDW Database Tables:
 - 25-30 Dimensional Tables
 - 3-4 Staging Tables
 - 4 History Tables
 - 20-30 Reference Tables
- Personal Property and Mobile Assets
 - o 8 dashboards
 - o 30 top-level OBIEE canned reports
 - Average of 4 drill path reports per report
 - o 80 90 component users
 - o 10 OCAO users
 - Supporting Ad Hoc and Geospatial reporting capabilities within OBIEE
 - Number of estimated DB tables for AMDW.
 - 15-20 Dimensional Tables
 - 8-12 Staging Tables
 - 5 Fact Tables

4.0 SCOPE

This program will involve simultaneously supporting a production-level application, specifically for the AMDW and RPDW schemas, reports, and users, while working with subject matter experts from both OCAO and DHS components to further populate, stabilize, refine and extend the solution. The project team will need to conduct extensive project, communications, and customer management across both unique tracks – Real and Personal Property - and all customer bases.

Functionally the program will require competencies related to functional requirements documentation, Business Intelligence systems design, source-to-field integration mapping, Geospatial / GIS management, customer (component) management, communications, change management, training, and familiarity with federal property management – real, personal and mobile property – and their rules, regulations, reporting requirements, and best practices.

Technically the program will require competencies related to OBIEE design and development, Extract-Transform-Load (ETL) design and development through *Informatica*, Information Systems Security management and coordination, *Oracle* database management, Geospatial / GIS design and development in OBIEE and point-to-point systems interface design and development. The Contractor shall leverage a pre-existing solution including a production environment to include Oracle database, Informatica for ETL and Oracle Business Intelligence Enterprise

Edition for the reporting capability. The Contractor is not expected to procure any licensing or hardware, but will need to provide technical experience in the above listed technologies.

All development and deployment will happen in this existing environment in a DHS data center. DHS owns all source data, and data that will flow through the warehouse, ETL and Business Intelligence system. The Contractor will ensure the solution meets DHS security requirements and will prepare the documentation for a security STE and subsequent security approval, pending the STE results.

5.0 TASK ORDER ACTIVITIES

Approvals of progress, submittals are required for each task as follows: 25% documented, 50% documented, 95% documented and 100% documented. The contractor shall address, at a minimum, the tasks listed below, and shall propose any additional tasks that may be needed for the successful completion of this project.

6.0 APPLICABLE DOCUMENTS

All documents listed below influence the policies, data elements, business rules, and dynamic relationships between elements found within CAPSIS. All can be found utilizing a search engine on the internet:

Executive Orders Pertaining to Mobile Asset Fuel Consumption:

- a. E.O. 13514: "Federal Leadership in Environmental, Energy, and Economic Performance"
- E.O. 13423: "Strengthening Federal Environmental, Energy, and Transportation Management
- c. E.O. 13327 "Federal Real Property Asset Management:

GAO Audit Findings:

d. GAO-04-664: "Federal Acquisition - Increased Attention to Vehicle Fleets Could Result in Savings"

OIG Audit Findings:

- c. OIG-09-89: "Consolidated Report on DHS' Management of 2005 Gulf Coast Hurricanes Mission Assignment Funding"
- f. OIG-10-41: "DHS Controls Over Firearms"
- g. OIG-10-110-AUD-DHS: "DHS Department-wide Management of Detection Equipment"

External Reporting Sources - Annual Reporting Requirements:

- h. GSA "Personal Property Reporting Tool" (PPRT)
- i. GSA "Federal Automotive Statistical Tool" (FAST)
- i. GSA "Federal Aviation Interactive Reporting System" (FAIRS)
- k. GSA "Federal Motor Vehicle Reporting System" (FMVRS)
- 1. GSA "Federal Real Property Profile" (FRPP)

7.0 MANDATORY TASKS

Populate, Stabilize and Mature CAPSIS Solution for Real, Personal and Mobile Assets

The Contractor shall demonstrate proficiencies and qualifications with the following BI / DW applications - Oracle OBIEE 11g, Oracle Database, and Informatica - and managing in a multitenant platform.

NOTE: Allocation of Funds by Labor Hour. Upon agreement between the COR and the Project Manager, estimated funds distributed amongst labor categories may be re-allocated to meet the evolving needs of the Program when approved by the COR. However, sufficient funds shall be allocated to maintain an agreed upon, consistent staffing level across all months of the period of performance. The proposal and agreement must be in writing and may be confirmed by emails between the COR and Project Manager. Copies of these emails shall be sent to the Contracting Officer.

7.1 Task 1 Project Management

The Contractor shall provide a Project Management plan and schedule to support the successful delivery of the tasks, and critical milestones outlined in this SOW. The project management functions will be overseen by a Government official from OCAO. The Contractor shall follow the DHS SELC processes for system lifecycle tasks and have a focus on an agile, iterative development approach.

7.2. Task 2 Management of CAPSIS Segment Architecture for RPDW, AMDW and Geospatial solutions

The Contractor shall be responsible for maintaining the currency and accuracy of the CAPSIS solution's conceptual data model and a logical data model for the Data Warehouse, as defined in the DHS Enterprise Architecture requirements for a technical and business reference model. The activities of maintaining this artifact current shall include, but not limited to, the following:

- Identify and document the Data Warehouse data entities
- Define and document relationship between entities and attributes. Construct an association matrix cross referencing entities to entities
- Maintain a Conceptual Data Model
- Maintain a Logical Data Model

The Contractor shall ensure that the data model supports a flexible, scalable, and usable Data Warehouse design and is consistent with best practices, including GSA and other Federal Agencies where cross functional application would be interchanged, where applicable. Consideration of the NIEM standard will be given on an individual basis for input and exports of data and may be fully adopted.

These aforementioned models will be developed in conjuncture with the teams establishing the Energy and Environmental Management (SPM) schema. The objective is to develop models that are reflective of each of the OCAO business lines and their interrelationships within their respective data dictionaries.

The Contractor shall demonstrate knowledge of architecture, design, configuration, stabilization and customer adoption of business intelligence / data warehouse solutions in the civilian federal government in the areas of federal real, personal and mobile asset management.

7.3 Task 3 Stakeholder Management to include coordination of Interagency Security Agreements (ISAs) and Memorandums of Understanding (MOUs)

The Contractor shall support program communications through OCAO Functional Leads and in some instance Functional Working Groups" for the individual OCAO business lines – Real Property, Personal Property, Aviations, and Mobile Asset management – that will be supported in the Data Warehouse. Each "Functional Working Group" will facilitate and maintain a corresponding glossary of terms that will be the baseline for establishing the Data Warehouse's data dictionary. The CAPSIS data dictionary will be coordinated through the DHS Enterprise Architecture (EAPMO) for inclusion in the segment architecture.

The contractor shall be responsible for internal and external stakeholder management and communications. Internal stakeholders include the OCIO ESDO resource team, OCAO functional resources, and SPM project team. External stakeholders include functional, technical, and security resources from each of the components and other DHS Management CXOs.

The desired component population strategy is point-to-point integration, which requires Interagency Security Agreements (ISAs) be coordinated between ESDO, OCAO and each respective system owner when necessary.

The Contractor shall coordinate the communications across the ESDO, OCAO and Component's *Information Systems Security* officers and managers to ensure all documentation is produced to establish and maintain ISAs per system and/or business owner.

7.4 Task 4 Quality Control, Testing & Review of ETL and OBIEE Design and Development

The Contractor shall be responsible for conducting all test cycles — unit, regression, and User Acceptance Testing (UAT) — with the objective to ensure that a quality product is delivered to OCAO and its customers. All testing will be conducted against the recognized requirements traceability matrix and wireframe design documents.

The Contractor shall facilitate and conduct these test and review activities in conjunction with the completion of recognized milestones and submittal of deliverables. The OCAO shall assign a representative that oversees the performance of these activities. The Contractor shall develop the test scripts and plans for review by OCRSO.

7.5 Task 5 Mature Ad Hoc Reporting Capability

The ability to mature and continually refine an ad hoc reporting capability to the CAPSIS user base is paramount to the success of the solution as a management tool.

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The Contractor shall ensure that the user ad hoc reporting requirements are documented, designed and developed into the CAPSIS solution through either the OBIEE out-of-the box functionality or through other Oracle tools available within the Oracle application suite, such as Application Express. The Contractor shall also provide training to the CAPSIS user community on how to utilize the CAPSIS ad hoc reporting capability.

7.6 Task 6 Operations & Maintenance of the System Infrastructure

No hosting services are anticipated for the fulfillment of this task; however, the Contractor may need to clone and deploy development and test environments on their own network for an intermediate timeframe while their personnel gain clearances to work on the DHS network. All DHS data will be scrambled to protect its integrity when outside of the DHS network.

Operations and maintenance of the infrastructure supporting the production system (servers, network, operating system, etc.) shall be managed by a different contract. The Contractor needs to submit the deliverables outlined in the SOW to support an ease of transition to the O&M Contractor. It is expected that the Contractor will ensure the reports, schemas and other application tier support is managed with OCAO's partners as CAPSIS is matured through iterative releases.

The Contractor shall demonstrate proficiencies and experience in coordinating and managing releases in a shared services platform that is managed, controlled, and maintained by a third party organization. Ensuring all promoting packages adhere to established policies and procedures.

7.7 Task 7 Tier 3 Support Services

Upon the CAPSIS solution's deployment at the end of FY 12, it is anticipated that the system and the user community will need to be stabilized and supported. It is anticipated that the resources dedicated to this activity will provide Tier 3 Support in the form of identifying reporting deficiencies ("bugs"), documenting new reporting requirements, supporting users to generate ad hoc reports and supporting the OBIEE reports development. Support must be available via telephone and e-mail at a minimum during the hours of 9:00 a.m. to 5:00 p.m., United States Eastern Time, Monday through Friday, exclusive of Government holidays.

Training may be comprised of documenting desktop user guides, manuals, and hands-on (e.g., classroom) instructor-lead curriculum.

7.8 Task 8 Data Standardization and Maturation

To ensure that the CAPSIS solution is maintained as a reliable and comprehensive source of asset portfolio information, a data tailoring and maturation framework is required. This framework, which be an input for an over data population strategy applied to each Component, will need to map all attributes to the CAPSIS data model, individual OBIEE report and emerging OBIEE requirements.

This task will involve developing and managing strategies for extending, maturing and standardizing the CAPSIS data dictionary and all collateral impacts the added or modified

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elements may have on existing OBIEE reports. This activity will be an ongoing activity for both personal and real property, yet will be specifically required each year in response to the annual Federal Real Property Counsel's guidance on emerging FRPP requirements.

When new data elements are added or modified to the CAPSIS solution's data dictionary, a data population strategy (subsequent task 2.2) will need to be performed to ensure that the element is consistently captured by each Component.

The Contractor shall demonstrate familiarity and experience with the COTS-based applications (transactional systems), considered source (feeder) systems to the BI/DW solution, represented across the Department to include, but not limited to:

- Business Objects
- Maximo
- Momentum
- Oracle Fixed Assets
- SAP Asset Accounting and Equipment Management modules
- Sunflower Systems
- Tririga

7.9 Task 9 Component-Specific Data Population Strategy and Execution

Because of the vast inconsistencies in technologies and systems being used across the Department, there is a requirement to ensure each Component has a specific strategy for submitting their data into the CAPSIS solution and having their data transformed into the recognized DHS standard. Each Component's strategy will need to be refined and matured over time as Component's individual processes and technologies are mature. Additionally, one individual population strategy may not be sufficient for each Component. A population strategy may need to be tailored for each asset type or sub-component to ensure a comprehensive population approach to the Component's portfolio of assets.

Each component data population will include a data cross-walk and data transformation matrix to demonstrate source-to-file mappings into the CAPSIS data model. These artifacts will be the basis for Extract-Transform-Load (ETL) code development and for populate the CAPSIS database. Data entry graphical user interfaces, batch upload templates, and direct point-to-point system integration will be given consideration for populating the CAPSIS solution. Reports to provide visibility from source-to-file mappings will be considered to provide visibility of this data transformation.

Additionally, to enable standardize reporting across the DHS components – that is support "applies-to-apples" reporting – CAPSIS will include standardized reference structures in the areas of "Asset Type", "Locations", "Acquisition Methods", "Disposition Methods" etc. Each component's data will need to be mapped and cross-walked against the recognized reference structures with supporting reports to demonstrate the conversion of the source data to the converted structure.

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The Contractor shall be responsible for validating the source-to-file mapping documentation and utilizing these documents as the formal design documents for ETL development.

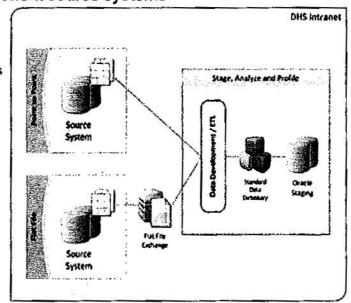
The Contractor shall demonstrate proficiencies working with the various DHS components, their unique missions, and these affects on individual requirements pertaining to the management of real, personal and mobile assets.

Overview of Data Submission Strategies

Preferred approach is to establish Point-to-Point connections with Component source systems

- Point-to-Point Integration
 - Reduces administrative burden
 - Reduces error rate
 - Allows for more frequent data runs
- Flat File Exchange
 - Provides simple and repeatable method for data transfer
 - Requires manual execution and oversight
 - Diminishes risks associated with missing data for processing
 - Components bear burden of submitting data in recognized format
- Direct Data Entry
 - CAPSIS data entry GUIs for specific data points





7.10 Task 10 Geospatial / GIS Reporting Capabilities

CAPSIS will utilize the OCIO Geospatial Management Office's (GMO) enterprise geospatial management services to geo-code each asset's address and apply geographic location coordinates (GLC). The Contractor shall develop a coordinated process with the Components to review all assets that are not to mapped to a single set of geographic location coordinates and map the asset to a single set of GLCs and recognized physical address.

The Contractor shall also design, mature and develop the suite of OCAO's Geo Spatial management reporting capabilities through OBIEE and other available Oracle tools. Unlike the other tasks that are relegated to the functions of Real, Personal and Mobile Asset management, this task also applies to the Environment and Energy functions within the Sustainability

Performance Management track of the CAPSIS solution. The objective is to provide a single Geo Spatial management reporting capability to OCAO and its customers.

There is also a requirement to use the CAPSIS as the system of record for real and personal property assets' Geographic Location Codes to source data to the Department's Geographic Information System (GII). The Contractor may be required to develop a point-to-point interface to publish asset details and GLCs to the GII system.

The Contractor will demonstrate proficiencies and qualifications in Geospatial Analytics and implementing processes for standardizing data for consistent Geospatial reporting.

7.11 Task 11 Ongoing OBIEE Reporting Requirements, Analysis and Development

The expanding population and consolidation of the Department's asset data will increase the number of stakeholders and expand requirements related to extracting and reporting data from the CAPSIS solution.

The Contractor shall be responsible for the documenting, designing, enhancing and developing additional OBIEE (currently in version 11g) dashboards and reports as defined by OCAO and DHS components. The contractor will be responsible for ensuring all OBIEE dashboards and reports are designed consistently regarding branding, style, navigation, behavior and export features.

The expectation is to the extent possible that OBIEE 11g allows all export and reporting capabilities will generate to the asset (unit) level details.

Additionally, the Department has to generate numerous annual regulatory reports that are mandated by GSA, OMB and other oversight bodies. Examples of these annual reports include:

- a) GSA Federal Automotive Statistical Tool (FAST)
- b) GSA Personal Property Reporting Tool (PPRT)
- c) GSA Federal Aviation Interactive Reporting System (FAIRS)
- d) GSA Federal Real Property Profile (FRPP)

The ability to generate the required reports for these systems utilizing their published templates and business rules is a capability that will be given consideration as the CAPSIS solution matures and is comprehensive populated.

7.12 Task 12 Advanced Data Quality Analysis and Reconciliation Facilitation

The objective of this task is to develop data quality reports within OBIEE representing where individual component's either lack specific data elements to generate and populate specific reports and/or data quality is insufficient to utilize specific reports.

The Contractor will be responsible for providing analysis of the individual component's data as compared to the recognized CAPSIS data dictionaries and standardized reference structures. The Contractor will also provide and coordinate corrective action recommendations to conform the data to the standard or quality with appropriate oversight tools.

8.0 OPTIONAL TASKS

The CLINs and tasks defined below are considered optional and will be awarded bases on future need and overall maturation of the CAPSIS solution. The government may chose to award these line items individually at any time within the identified periods within this contract on a *labor hour* basis.

8.1 Task 13 Automation of additional regulatory Annual Reporting Requirements

As the CAPSIS solution matures and further data gets centralized and aggregated into it, additional opportunities to automate congressional and annual reporting requirements shall be given consideration. This CLIN will allow for additional services to automate the generation of these reports with all the published business rules and templates embedded while providing component-level transparency and validation. It may also be needed to modify and/or update the CAPSIS solution to account for annual changes made by the business owners of these systems. Examples of the reporting requirements, as indicated above, include:

- GSA Federal Automotive Statistical Tool (FAST)
- GSA Personal Property Reporting Tool (PPRT)
- GSA Federal Aviation Interactive Reporting System (FAIRS)
- GSA Federal Real Property Profile (FRPP)

8.2 Task 14 Integration with internal GIS / GII Reporting Systems

This activity is to coordinate and consider factors and solutions for developing integration between CAPSIS with the DHS CIO Geospatial Management Office (GMO) and other component-managed GIS / Geospatial management systems to integrate and standardize administrative layers, geo-coding standards, and/or physical addresses.

8.3 Task 15 Address Clean-up Coordination and the application of Geographic Location Codes

Personal and mobile assets are stored within and their records associated with Real Property asset records; however, this relationship is not established and maintained within the component-based transactional system of records. This activity is to identify and facilitate resolution of records meeting the following criteria:

- Personal and mobile asset records that are not affiliated with a real property record and/or do not have a valid physical address that can be geo-coded
- Personal and mobile asset records that do not have sufficient or standardized address attributes or GLCs to map to a real property record or be geo-coded
- Real Property records that do not have sufficient physical address attributes or GLCs to be successfully geo-code

8.4 Task 16 Integration to other BI Tenants within BI/DW Platform

OCAO is one of numerous tenants, to include, but not limited to the Chief Financial Officer (CFO), Chief Information Officer (CIO), Chief Human Capital Officer (CHCO), in the ESDO hosted BI / DW platform. There may be future need to publish and consume data from these other tenants as means to propagate data across the department and to further reduce the need for data calls. This activity is to coordinate data models and schemas across components to share information and to make further use of it. Examples of how data may need to be shared across the chief executive offices include:

- Publishing asset related financial data to the CFO for summary financial reporting and reconciliation purposes
 - o Capitalizations
 - o Depreciation
 - o Write-offs / retirements
 - o Reclassifications
- Publishing and standardizing location information of DHS real property to CHCO and the Chief Security Officer for the standardized assignment of personnel to buildings, land and structures
- Consuming procurement documents for real and personal awards for asset reconciliation and receiving purposes

8.5 Task 17 Integration to other External and Internal Business Systems

There are internal and external IT business systems that house data, which the Department needs to have coordinated with its asset data managed in the Data Warehouse. Determining how to coordinate data from these systems and partnering it with the DHS asset data shall be conducted. Systems for consideration whose data needs to be partnered with related DHS asset records and require specific reports include:

Each of these interfaces will be awarded on individual CLINs considered for individual awards:

- DHS Federal Management Analysis and Reporting System (FMARS) or comparable DHS fuel-purchase system, which is a system track tracks individual fuel purchases on fuel credit cards.
 - This internally developed DHS system is integrated with the JP Morgan Chase SmartPay2 fuel card system. It has extensive existing reporting capabilities. This system is scheduled
- GSA Federal Motor Vehicle Registration System (FMVRS)
- DLA-Energy
 - System that provides DHS Bulk Fuel purchasing capabilities
- GSA Fleet Drive-thru
 - o Reports Carryout
 - Mileage Express

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X .MPORTA 4 DESCR UNS No he pur or Tac georde attacl	A THE CHANCE ORDER IS ISSUED ORDER NO. IN THE MICH. B. THE ABOVE NUMBERED CONTROL AND SET FORT C. THE SUPPLEMENTAL AGREEME D. OTHER (Specify) pre of monthodies FAR Clause 52.243-3 WITH Controls Dinnot, price of adding and dispersion of the modification of an end process of this modification of an end panel the Control of the co	PURSUANT TO: (Specify sulhority) THE COTTOSDER IS MODIFIED TO REFLECT HIS ITEM IN THE AUDITION THE AUDITION TO PURSUANT TO PUR	ECHANGES SETFORTH WITEM 14 ARE MADE S THE ADMINISTRATIVE CHANGES (such es changes in the Research of the Resea	P 2000) Organica sable; s, and labor rates ption Year 2, in 0, 2013 ion F00001, are
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X LUPORTA A DESCRIPTION OF TAK GEOOFIC Attack All re- caken Continue Contin	A THE CHANCE ORDER IS ISSUED ORDER NO. IN THE MICH. B. THE ABOVE NUMBERED CONTROL ASSOCIATION CAME AND PREMIED AND PROPERTIES AND CONTROL OF THE SUPPLEMENTAL ACREEME D. OTHER (Specify type of monthodology of the Change 52.243-3 MT Control of The Change 52.243-3 MT Control of The Change 52.243-3 MT Control of The Change of This modification of the Change of this modification with Deloitte's and Part 1. And Deloitte's GSA MODE of the Change of the	PURSUANT TO: (Specify sulhority) THE COTTOSDER IS MODIFIED TO REFLECT IN FIRE MANY TO THE AUDITOR OF THE PURSUANT TO THE AUDITOR OF THE PURSUANT TO THE PURSUA	ECHANGES SETFORTH WITEM 14 ARE MADE S THE ADMINISTRATIVE CHANGES (such es change) AUTHORITY OF: terials or Labor-Hours (SE nd setun 1 option to be be hording enterton transfer suches melter where to add/delete labor categories Year, Option Year 1, and Op e Réquest, dated January 15 Representative (COR). anges applied to Modificat: -0083L. ries and labor rates for ti lar amount for each year p OA as hereofore changed, ramelies uncharged and 19A NAME AND TITLE OF CONTRACTING O Patrick J. Kennedy	P 2000) Organica, selvin; s, and labor rates ption Year 2, in 0, 2013 ion F00001, are the Base Year, eriod are changed nnilforocondesed, FFICER (Type or pin)

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	feror or contractor E consulting ldp	i i					
EM NO. (A)		SUPPLIES/SERVICES (B)	•	QUANTITY UNIT	Unit Price (E)		eunt E)
	decreased from (b)(4) Period are decreased hours, to (b)(4) 2) The total dodecreased from (b)(4) 1 are decreased from (b)(4) 3) The total dodecreased from (b)(4) 2 are decreased from (b)(4) 4) Robert King in	The total hours for cased from (b)(4) hours. Cliar value for Option (b)(4) hours for (c)(4) hours for (c)(4	to r the Base ours by (b)(4) on Period 1 is (4) r Option Period by (b)(4) hours, on Period 2 is (4) to r Option Period by (b)(4) hours, he Contracting				
	HSHQDC-12-F-001 AAP Number: 201 Period of Perfo	78. 203775 DO/DEAS Rati	ng: NONE to 09/28/2015		**		
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	*.	* 3.					
		*				1623 33	

AMENDMENT OF SOLICI	TATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES
2. AMENDMENT/MODIFICATION	N NO.	3, EFFECTIVE DATE	4. RI	QUISITION/PURCHASE REQ. NO.	6. PRO	JECT NO. (# applicable)
P00002		07/11/2013	- 22	8-13-00150		
6. ISSUED BY	CODE	DHS/OPO/DEPT.OPS	7. A	DMINISTERED BY (If other than Hem 6)	CODE	DHS/OPO/DEPT.OPS
Contract Special: MGMT/OPC/DOAD/Ma: Department of Ho 245 Murray Lane, Washington DC 20	ilstop 0115 meland Secru SW	Rumph	MG De 24	ntract Specialist - From MT/OPO/DOAD/Mailstop partment of Homeland S 5 Murray Lane, SW shington DC 20528-0115	ecurit	mph
8. NAME AND ADDRESS OF CO	NTRACTOR (No., street	county, State and ZIP Code)	(x) (A. AMENDMENT OF SOLICITATION NO.		
DELOITTE CONSULTI CO DELOITTE CONSU 1750 TYSONS BLVD MCLEAN VA 2210242	LTING LLP	SUITE 800	×	OA MODIFICATION OF CONTRACT/ORDE 05-10F-0083L 4SHQDC-12-F-00178 00. DATEO (SEE ITEM 13)	R NO.	
CODE 01912158600	00	FACILITY CODE	7	09/29/2012		
		11. THIS ITEM ONLY APPLIES T	O AMEN	DIMENTS OF BOLICITATIONS		
to the solicitation and this ame 12. ACCOUNTING AND APPRO NONE 012-000-MA-2 13. THIS ITEM	ndment, and is received PRIATION DATA (Yrec 0-00-00-000- IONLY APPLIES TO M	i prior to the opening hour and date a wired) 02-07-0600-00-00-0 ODRIGATION OF CONTRACTS/ORE	pecified, 0~00- XERS, IT		3 DESCRIBE	ED IN ITEM 14.
				ADMINISTRATIVE CHANGES (such as char TY OF FAR 43.103(b).		
C. THIS SUPPLI	EMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT T	O AUTHO	DRAY OF:	-1.7	
×				372	- No.	0
D. OTHER (Spe	dly type of modification	and euthority)				
X FAR Clau	se 52.243-3	Changes-Time-and-M	ateri	als or Labor-Hours (SE	SP 2000))
E. IMPORTANT: Contractor	,Jon el □	. X is required to sign this document	and retu	m 1 copies to the is	tuing office.	
DUNS Number: 019 The purpose of the	9121586+0000 nis modifica	tion is to establi	sh CI	g softcHabon/contract subject matter where f IN's 0007, 1007, and 2 01 funding to CLIN 000	007, x	educe the
1) CLIN'S 0007,	1007, and 20	07 all entitled Ot	her D	direct Cost (ODC), are E) dollar value for ea	hereby	
2) CLIN 0001 - St hereby reduced for		lization and Matur	ation	Information Technolog	y Serv	ices, is
Continued		ĝi				
Except as provided herein, all to 15A. NAME AND TITLE OF SIG		e document referenced in Hem BA or		heretofore changed, remains unchanged and A. NAME. AND TITLE OF CONTRACTING C		
			P	atrick J. Konnedy		
15B. CONTRACTOR/OFFEROR		15C, DATE SIGNED	D 18	BONTED STATES OF AUTRICA STATES OF AUTRICA (Booker of Controll Com)		18C. DATE SIGNED
NSN 7540-01-152-6070	averaged to exp)			The second of contract caces	STANDA	RO FORM 30 (REV. 10-83)
Previous edition unusable		· ·		U	Prescribe	id by GSA CFR) 53.243

 CONTINUATION SHEET
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 PAGE OF

 GS-10F-0083L/ESHQDC-12-F-00178/P00002
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ITEM NO.	SUPPLIES/SERVICES	QUANTITY	10000000	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	3) Funding in the amount of \$(b)(4) is		\Box		
	relocated from CLIN 0001 to CLIN 0007 - Other	1			
	Direct Cost Services.	1	11		*
	*	1	Ιİ	•	6
	As a result of this modification, the total		ш		
	dollar value is unchanged at \$2,322,485.81.	1	1 1		3
	AAP Number: 201203775 DO/DPAS Rating: NONE				
	Delivery Location Code: DNS				
	Department of Homeland Security		ìΙ		
	245 Murray Lane				
	Bldg. 410	1	П		
	Washington DC 20528		П		
			1 1		
	FOB: Destination				
	Period of Performance: 09/29/2012 to 09/28/2015				
	Change Them 0001 to word 5-11				
	Change Item 0001 to read as follows (amount shown is the obligated amount):				
	15 one obligated amount);		1		
001	Support Stabilization and Maturation Information				(b)(4)
981881176	Technology Services	200			14 THIN
	(Not-To-Exceed (b)(4)		1 1		
	Product/Service Code: D301	1			
	Product/Service Description: IT AND TELECOM-	1	П		
	FACILITY OPERATION AND MAINTENANCE		П		
	Polityramus 00/00/2013		H		
	Delivery: 09/28/2013	1		2	
	Add Item 0007 as follows:				
	10011 0001 00 2022010.		H		
007	Other Direct Cost		1]		(b)(4)
	(Not-to-Exceed (b)(4)	1			
	Product/Service Code: D302				
	Product/Service Description: IT AND TELECOM-	8			
	SYSTEMS DEVELOPMENT				126
	Dalimana 20 Dana 25han 2000				
	Delivery: 30 Days After Award				
	Add Item 1007 as follows:				
007	Other Direct Cost				(b)(4)
	(Not-to-Exceed (b)(4)		1		3 44
	Amount: (b)(4) Option Line Item)				
1/3	Product/Service Code: D302		"		166
	Product/Service Description: IT AND TELECOM-		П	9	
	SYSTEMS DEVELOPMENT Discount Terms:			1	
	Net 30				
	Continued				8
			1		
24	,,	i			
	*				
				9	
	29:				
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CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED

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PAGE OF

3 3

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	(D)	UNIT PRICE	AMOUNT (F)
	Add Item 2007 as follows:			,,	357
007	Other Direct Cost (Not-to-Exceed (b)(4) Amount: (b)(4) (Option Line Item) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT				(b)(4)
	Discount Terms:				
	Net 30	ļ			
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N 7640-01-16					OPTIONAL FORM 336 (4-89)

AMENDMENT OF SOLICITATION/MODII	FICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (V eppiceble)
P00003	09/29/2013	RUAS-13-00191	
6, ISSUED BY COI		7. ADMINISTERED BY (If other than flore 6)	CODE DHS/OPO/DEPT.OPS
Contract Specialist - Fran MGMT/OFO/DOAD/Mailstop 011 Dopartment of Homeland Sec 245 Murray Lane, SW Washington DC 20528-0115	5	Contract Specialist - Fr MGMT/OPO/DOAD/Mailstop Department of Homoland S 245 Murray Lane, SW Washington DC 20528-011	cank Rumph Security
8. NAME AND ADDRESS OF CONTRACTOR (%), 8	less, county, State and ZIP Code)	(x) RA AMENDMENT OF SOLICITATION NO.	
DELOITTE CONSULTING LLP CO DELOITTE CONSULTING LLP 1750 TYSONS BLVD MCLEAN VA 221024208	SUITE 800	8B. DATED (SEE ITEM 11) x 10A. MODIFICATION OF CONTRACT/ORD GS-10F-00B3L HSHQDC-12-F-00178 10B. DATED (SEE ITEM 13)	IER NO.
CODE 0191215860000	FACILITY CODE	09/29/2012	
TOTAL	11. THIS IYEM ONLY APPLIES T	O AMENDMENTS OF SOLICITATIONS	
to the solidiation and this smandment, and is received. 12. ACCOUNTING AND APPROPRIATION DATA (MONEO 1.3 - 0.00 - MA - 2.0 - 0.0 -	hived prior to the opening hour and date a /required) 10-02-07-0600-00-00-0 0 MODIFICATION OF CONTRACTS/ORI ED PURSUANT TO: (Specify sudhorly)	et Increase:	\$2,310,000.00 AS DESCRIBED IN ITEM 14. E IN THE CONTRACT
	MENT IS ENTERED INTO PURBUANT T		
X FAR 52.217-9 Optio	n to Extend the term	of the Contract (MAR 2000	1
E IMPORTANT: Contractor Lis no	ر (غُ) is required to eigh this documen	t and return1_ copies to the	Issuing office.
14. DESCRIPTION OF AMENDMENTMODIFICATION DUNS Number: 019121586+00 TAS No. 700111 The purpose of this modifi	00	s, including solidiation/bontrad subject matter where	
Support Stabilization and			
		ption in accordance with t	
clause FAR 52.217-9, "Opti	7.		
1) CLIN 0001 - Support Sta hereby extended until Octo due to a DHS-Wide Moratori Continued Except as provided herein, silterms and conditions	ber 28, 2013 to allo um placed on all sys	w for the completion of th	e CAPSIS Project, s during the height
16A NAME AND TITLE OF SIGNER (Type or print)		18A NAME AND TITLE OF CONTRACTING	
	AND	Patrick J. Kennedy	
15B. CONTRACTOR/OFFEROR Principal (Synotro of person subscripted to sign)	9/20/13		2 9/20/13
NSN 7540-01-162-8070 Provious edition unusable	2	7	STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED

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2 4

TEM NO. (A)	SUPPLIES/BERVICES (B)	QUANTITY (C)	ини (D)	UNIT PRICE (E)	AMOUNT (F)
	of the terrorist threats in August 2013.		Н		77.00
	The Government hereby exercises Option Year 1, CLIN's 1001, 1002, 1003, 1004, 1005, 1006, and 1007, as priced in the Schedule of Supplies/Services of the Contract, at the Total			7	e Ne
	Price of \$2,310,000.00.	}			
	As a result of this modification, the total amount of this task order is increased from \$2,322,485.81 by 2,310,000.00 to \$4,632,485.81.				
	ef.				
	AAP Number: 201203775 DO/DPAS Rating: NONE Delivery Location Code: DHS				
	Department of Homeland Security	8		0.00	
	245 Murray Lane		i I	1	
	Mailstop 0075 Washington DC 20528	:			
	FOB: Destination				
	Period of Performance: 09/29/2013 to 09/28/2014				
	Change Item 1001 to read as follows (amount shown is the obligated amount):				V25
01	Support Stabilization and Maturation Information Technology Services (Not-To-Exceed (b)(4)	(b)(4)	Lo	(b)(4)	·
	Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT				
	ab				
	Change Item 1002 to read as follows(amount shown is the obligated amount):				
02	Automation of additional regulatory Annual	(b)(4)	HR	(b)(4)	
	Reporting Requirements (Optional CLIN)			1	
	(Not-To-Exceed (b)(4) Amount: (b)(4) (Option Line Item)				
	Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT				
				İ	-
	Change Item 1003 to read as follows (amount shown is the obligated amount):	ł	1		
	Continued				
			,	2	

CONTIN	UATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED GS-10F-00831/HSRQDC-12-F-00178/P00003		=		PAGE OF	4
	eror or compactor Consulting LLP					
ITEM NO. (A)	QUPPLIES/SERVICES (日)	QUANTITY (C)	υκιτ (D)	UNIT PRICE (E)	AMOUNT (F)	
1003	Integration with internal Geospatial Information System / Geospatial Information Infrastructure Reporting Systems. (Optional CLIN) (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM-SYSTEMS DEVELOPMENT	(b)(4)	HR	(b)(4)	(b)(4)	
•••	Change Item 1004 to read as follows (amount shown is the obligated amount):	(b)(4)	li li	(b)(4)	(b)((4)
1004	Address Clean-up Coordination and the application of Geographic Location Codes. (Optional CLIN) (Not-To-Exceed \$(b)(4) Amount: (b)(4) (Option Line Item) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT	(6)(1)	HR		*	***
	Change Item 1005 to read as follows (amount shown is the obligated amount):					
1005	Integration to other Business Intelligence Tenants within Business Intelligence Data Warehouse Platform. (Optional CLIN) (Not-To-Exceed (b)(4) Amount: (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT	(b)(4)	HR	(b)(4)	(b)(4	
	Change Item 1006 to read as follows (amount shown is the obligated amount):				<u> </u>	
1006	Integration to other External and Internal Business Systems (Optional CLIN) (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT	(b)(4)		(b)(4)	(b)(4)	ļ
	Change Item 1007 to read as follows (amount shown is the obligated amount):				ă	
1007	Other Direct Cost (Not-to-Exceed 4/b)/4) Continued				(b)(4)	

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ITEM NO.	SUPPLIES/SERVICES	QUANTIT	YUNIT	UNITPRICE	THUOMA
(A)	(B)	(C)	(D)	(R)	· (F)
	Product/Service Code: D302 Product/Service Description: IT AND TELECOM-				
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AMENDMENT OF SOLICITATION/MODI	FICATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	1 1 5. PROJECT NO. (if epp&cable)
P00004	10/01/2013		
	DHS/OPO/DEPT.OPS	7. ADMINISTERED BY (If other than Item 6)	CODE DHS/OPO/DEPT.OPS
Contract Specialist - Fram MGMT/OPO/DOAD/Mailstop 011 Department of Homeland Sec 245 Murray Lane, SW Washington DC 20528-0115	15	Contract Specialist - Fra MGMT/OPO/DOAD/Mailstop Department of Homeland Se 245 Murray Lane, SW Washington DC 20528-0115	entral decident of
NAME AND ADDRESS OF CONTRACTOR (No.	street, county. State and 7/P Code)	(A) BA AMENDMENT OF SOLICITATION NO.	
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		HSHQDC-12-F-00178 108. DATED (SEE ITEM 13)	
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		OT THE ADMINISTRATIVE CHANGES (such as change) JTHORITY OF FAR 43.103(b).	
	MENT IS ENTERED INTO PURSUANT TO	AUTHORITY OF:	***
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		including solicitation/contract subject matter where fee	s/ble.)
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		OA, as heretofore changed, remains unchanged and in	
SA NAME AND TITLE OF SIGNER (Type or print)		16A NAME AND TITLE OF CONTRACTING OF	
SA NAME AND TITLE OF SIGNER (Type or prior) (4),(b)(6) Princ	cipal	Patrick J. Kennedy	FICER (Type or print)
SA NAME AND TITLE OF SIGNER (Type or print)		Patrick J. Kennedy 188. UNITED STATES OF AMERICA	

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 63.243

AMENDME	ENT OF SOLICITATION/MODIF(C	ATION OF CONTRACT		1. CONTRACT ID CODE	PAG	E OF PAGES
2, AMENDME	NT/MODIFICATION NO.	3. EFFECTIVE DATE	4, RE	QUISTION/PURCHASE REQ. NO.	5. PROJEC	OT NO. (If applicable)
P00005		02/28/2014	1	725		
6. ISSUED BY	Y CODE	DHS/OPO/DEPT, OPS	7. AD	MINISTERED BY (If other than flem 6)	CODE D	HS/OPO/DEPT.OPS
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	ment of Homeland Secru	ity	1	artment of Homeland Se	curity	
	rray Lane, SW			Murray Lane, SW		
Washing	ton DC 20528-0115		Was	hington DC 20528-0115		
8. NAME AND	ADDRESS OF CONTRACTOR (No., 674)	, county, State and ZIP Code)	(x) a/	AMENDMENT OF SOLICITATION NO.	x 72 - 4444	
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	s amendatent you desire to change an offe Nation and this amendment, and is received			by telegram or letter, provided each telegram	or letter make	a taleteuce
	TING AND APPROPRIATION DATA (If req			·	135	7.00
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	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/ORDE	RS. IYM	odifies the Contract/Order No. as D	ESCRIBED IN	ITEM 14.
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	9. THE ABOVE NUMBERED CONTRAC	T/ORDER IS MODIFIED TO REFLECT	THEA	MINISTRATIVE CHANGES (such as change OF FAR 43.103(b).	s in paying off	loa,
х	epproprision data, etc.) Sel FORTH	HATTEM 14, PURGOANT TO INCAU	thorai	OF FAR 45: 105(0).		
	C. THIS SUPPLEMENTAL AGREEMEN	I IS ENTERED INTO PURRUANT TO	AUTHOR	ITY OF:		
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rue burl	pose of this modificat	tion is to change th	ie co	ntracting Officer.		
				. Patrick J. Kennedy,	io Ma, S	Sheri
Brooks.	Ms. Brooks telephone	number and email ad	idres	s are as follows:		
						4.
Phone:	(202) 447-5574					
E-Mail:	Sheri.Brooks@hq.dhs.	yov				
	2000 S		20			
AAP Numb	ber: 201203775 DO/DPA	3 Rating: NONE		*		
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169, CONTRA	ACTOR/OFFEROR	16C. DATE BIGNED	16B,	UNITED STATES OF AMERICA		16C, DATE SIGNED
		i	18	heir Bussles		3/5/2014
	(Signature of person authorized to sign)		1	(Signature of Contracting Difficer)		2/2/2014
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м NO. (A)	SUPPLESISERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
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2. AMENDMENT	MODIFICATION NO.	3. EFFECTIVE DATE	10.00	REQUISITION/PURCHASE REQ. NO.	5. PROJEC	T NO. (If applicable)
P00006		08/05/2014	355	DAS-14-00134	22111	
6. ISSUED BY	CODE	DHS/OPO/DEPT.OF	28 7	ADMINISTERED BY (If other than Item 6)	CODE	HS/OPO/DEPT.OPS
MGMT/OPO/ Department 245 Murra	Specialist - Frank /DOAD/Mailstop 0115 at of Homeland Secretary Lane, SW on DC 20528-0115	to	M D 2	ontract Specialist - Fra GMT/OPO/DOAD/Mailstop epartment of Homeland Se 45 Murray Lane, SW ashington DC 20528-0115	1.000.000 News. 1920.00	
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CODE 0191	1215860000	FACILITY CODE		09/29/2012		
		11. THIS ITEM ONLY APPL	IES TO AME	NOMENTS OF SOLICITATIONS		100
12. ACCOUNTING NONE 14-00		puired) 02-07-2001-00-00 ODIFICATION OF CONTRACTS	Net I -00-00-	Increase: GE-OE-25-37-F14134 IT MODIFIES THE CONTRACT/ORDER NO. AS		ITEM 14.
В.		4		ANGES SET FORTH IN ITEM 14 ARE MADE IN E ADMINISTRATIVE CHANGES (such as change RITY OF FAR 43.103(b).		
X c	THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUA	ITUA OT TRA	FORITY OF:		Water State of the
D.	OTHER (Specify type of modification	and authority)				
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	id herein, all terms and conditions of the TITLE OF SIGNER (Type or print)	e pocument referenced in item		s heretofore changed, remains unchanged and in 6A NAME AND TITLE OF CONTRACTING OF		
		<i>\$</i> 7	10.	Sheri Brooks		\$ 1 (d).
158. CONTRACT	OR/OFFEROR	15C. DATE SI		6B. UNITED STATES OF AMERICA		16C. DATE SIGNED
180	nature of person authorized to sign)	_		SHERI S BROOKS PROPERTY OF THE	AL CONTRACTOR SONIOS O	08/08/2014

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243
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NAME OF OFFEROR OR CONTRACTOR
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ELOITTE	CONSULTING LLP		. ,		
ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)		UNIT PRICE (E)	AMOUNT (F)
(A)	risk. The Government shall not be obligated to pay the Contractor any amount in excess of the stated ceiling price, and the Contractor shall not be obligated to continue performance if to do so would exceed the ceiling price set forth under this task order, unless and until the Contracting Officer shall have notified the Contractor in writing that the ceiling price has been increased and shall have specified in the notice a revised ceiling that shall constitute the ceiling price for performance under this contract. DO/DPAS Rating: NONE FOB: Destination Period of Performance: 09/29/2013 to 09/28/2014 Change Item 1005 to read as follows (amount shown is the obligated amount):	(C)	(D)	(E)	(F)
05	Theographic to other masthess incorrigence	(b)(4)	HR	(b)(4)	
	Tenants within Business Intelligence Data Warehouse Platform. (Optional CLIN) (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT				
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AMENDMENT OF SOLICITATIONIMODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	7	PAGE OF	PAGE\$
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	3, EFFECTIVE DATE	20	NUISITION/PURCHASE REQ. NO. Schedule	6. PR	UJECT NO.	(if applicable)
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Contract Specialist - Frank MGMT/OPO/DOAD/Mailstop 0115 Department of Homeland Secru 245 Murray Lane, SW Washington DC 20528-0115	Rumph	Con MGM Dep 245	tract Specialist - Fran T/OPO/DOAD/Mailstop artment of Homeland Sec Murray Lane, SW hington DC 20528-0115	k Ru	mph	PEO/DELLOES
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6. NAME AND ADDRESS OF CONTRACTOR (No. 1000) DELOITTE CONSULTING LLP CO DELOITTE CONSULTING LLP \$ 1750 TYSONS BLVD MCLEAN VA 221024208	COUNTY, SING and ZIP COOP)	98 × 62 H3	AMENDMENT OF SOLICITATION NO. DATEO (SEE ITEM 11) A MODIFICATION OF CONTRACT/ORDER NO. 10F-0083L SHQDC-12-F-00178	10.		
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separate letter or talegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF C yither of this amendment you desire to change an offer to the sociation and this amendment, and is received	iss of the amendment (b) By acknowle to the solidation and amendment numb FFERS PRIOR TO THE HOUR AND D already submitted, such change may b prior to the opening hour and date spe	bere. FA DATE SPI De made t	opt of this emendment on each copy of the off ILURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF YO by lelegram or letter, provided each telegram or	er eubor BE REC OUR OF r letter o	nkted; or (c) DEIVED AT FERL II by nakes refere	By ence
12. ACCOUNTING AND APPROPRIATION DATA (# 129) See Schedulo	uired) Not	Inc	rease: \$2	2,29	9,997.	50
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			DES SET FORTH IN ITEM 14 ARE MADE IN T	2000		
B. THE ABOVE NUMBERED CONTRAC Epproprission date, etc.) SET FORTH	T/ORDER IS MODIFIED TO REFLECT IN ITEM 14, PURSUANT TO THE AUI	THE AD	MINISTRATIVE CHANGES (such as changes OF FAR 43, 103(b).	in payin	g office,	
C. THIS SUPPLEMENTAL AGREEMENT	TIS ENTERED INTO PURSUANT TO A	OTHOR	TY OF:			
D, OTHER (Specify type of modification of	and authority)		25			
X FAR 52.217-9 Option	to Extend the Term of	of th	e Contract (MAR 2000)			
E.IMPORTANT: Contractor Ella not. 14. DESCRIPTION OF AMENDMENT/ACODIFICATION (DUNS Number: 019121596+0000 TAS No. 700111	☐ securised to sign this document and Organized by UCF section headings, in			999 (185 (197) S.		
The purpose of this modificat exercise an Option in accorda the term of the Contract".				_		Extend
The Government horeby oxercis priced in the Schedule of Sup \$2,299,997.50. The Period of September 28, 2015. Continued	oplies/Services of t Performance for Opt	he Co	ontract, at the Total Preprint 2 is September 2	rice 9, 2	of 014 th	
Except as provided herein, all terms and conditions of the 16A. NAME AND TITLE OF SIGNER (Type or point)	document referenced to them SA or 10	16A. I	eleiere changed, remains unchanged and in fu NAME AND TITLE OF CONTRACTING OFFIC ri Brooks			
15B. CONTRACTOR/OFFEROR	15C, DATE SIGNED		MITED STATES OF AMERICA			DATE SIGNED 1/21/2014
(Signature of person authorised to sign)			(Signature of Contracting Officer)	ANDAD		(REV. 10-83)
NSN 7640-01-152-8070			10	TWICE THE	WIT VION A	(III. T. 10-00)

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CONTINUATION SHEET GS-10F-0083L/HSHODC-12-F-00178/P00007 2 3 NAME OF OFFEROR OR CONTRACTOR DELOITTE CONSULTING LLP HEMNO. SUPPLIES/SERVICES QUANTITY WHIT UNITPRICE MUONIA (C) (D) (A) (E) (F) As a result of this modification, the total amount of this task order is increased from \$4,682,485.81 by \$2,299,997.50, to \$6,982,483.31. DO/DPAS Rating: NONE Delivery Location Code: DHS Department of Homeland Security 245 Murray Lanc Mailstop 0305 Washington DC 20528 FOB: Destination Period of Performance: 09/29/2014 to 09/28/2015 Change Item 2001 to read as follows (amount shown is the obligated amount): (b)(4)(b)(4)2001 Support Stabilization and Maturation Information LO Technology Services (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM-SYSTEMS DEVELOPMENT Reguisition No: RUAS-14-00121 Accounting Info: NONE014-000-MA-20-00-00-000-02-07-2001-00-00-00-00 -GE-OE-25-37-F14121 Funded: (b)(4) Change Item 2002 to read as follows (amount shown is the obligated amount): 2002 Automation of additional regulatory Annual Reporting Requirements (Optional CLIN) (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM-SYSTEMS DEVELOPMENT Regulsition No: RUAS-14-00123 Accounting Info: RW14035-MGT-WR-99-04-00-000-02-05-0000-00-00-00-00 -GE-OE-25-37-000000 Funded: (b)(4) Change Item 2006 to read as follows (amount shown is the obligated amount): Continued ...

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OPTIONAL FORM 336 (4-66)

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REFERENCE NO. OF DOCUMENT BEING CONTINUED

HSN 7510-01-162-8007

CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED

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пем но. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	(D)	UNIT PRICE (E)	AMOUNT (F)
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2006	Integration to other External and Internal Business Systoms				(6)(1)
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	(Not-To-Exceed (b)(4)		1 1	1	4
	Product/Service Code: D302		\perp		
	Product/Service Description: IT AND TELECOM-	S	1 1	1	
to	SYSTEMS DEVELOPMENT		1	1	
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	-GE-OE-25-37-000000		1.1	70	
	Funded: (b)(4)		11		
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	is the obligated amount):			- 1	(b)(4)
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	(Not-to-Exceed (b)(4)		1	30	
	Product/Service Code: D302				
	Product/Service Description: IT AND TELECOM-		1 1	(0)	
	SYSTEMS DEVELOPMENT		1	4	
	Requisition No: RUAS-14-00121, RUAS-14-00123				
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POOOO8 6. ISSUED BY CODE	09/29/2014		0005
6. ISSUED BY CODE	DHS/OPO/DEPT.OPS	7. ADMINISTERED BY (If other than Item 6)	CODE DHS/OPO/DEPT.OPS
Contract Specialist - Frank	Rumph	Contract Specialist - Fr	ank Rumph
MGMT/OPO/DOAD/Mailstop 0115	10 4 0000	MGMT/OPO/DOAD/Mailstop	2000-000-00
Department of Homeland Secre	uity	Department of Homeland S	ecurity
245 Murray Lane, SW Washington DC 20528-0115		245 Murray Lane, SW	
washington bc 20528-0115		Washington DC 20528-0115	i.
8. NAME AND ADDRESS OF CONTRACTOR (No., servi	et, county, State and ZIP Code)	(X) BA. AMENDMENT OF SOLICITATION NO.	
DELOITTE CONSULTING LLP			
	SUITE	98. DATED (SEE ITEM 11)	
1750 TYSONS BLVD			
MCLEAN VA 221024208		. IOA. MODIFICATION OF CONTRACT/ORDE	R NO.
		x GS-10F-2083L	
		HSHQDC-12-F-00178	
		108. DATED (SEE ITEM 13)	
CODE 0191215860000	FACILITY CODE	09/29/2012	æ
	11. THIS ITEM ONLY APPLIES T	O AMENDMENTS OF SOLICITATIONS	
☐ The above numbered solicitation is amended as set (orth in Item 14. The hour and date sp	ecified for receipt of Offers	extended. Dis not extended.
CHECK ONE A THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A	PURSUANT TO: (Specify authority)	THE CHANGES SET FORTH IN ITEM 14 ARE MADE OF THE ADMINISTRATE CHANGES (Such as change)	IN THE CONTRACT
C. THIS SUPPLEMENTAL AGREEMEN			
D. OTHER (Specify type of modification	and authority		
X FAR 52.243-1 Changes	AND THE STATE OF THE SALE		
E. IMPORTANT: Contractor Sis not.	is required to sign this document	and return 0 copies to the is	suing office.
14. DESCRIPTION OF AMENDMENT MODIFICATION			
DUNS Number: 019121586+0000			ří.
TAS No. 700111			
The purpose of this modifica additional regulatory Annual	Reporting Require		2 A
1003, 10 0 5 and 1006 by 30 da	1	2	
As a result of this modifica \$6,982,483.31 by \$80,000.00		out of this task order is i	ncreased from
DO/DPAS Rating: NONE			£1
Continued			
Except as provided herein, all terms and conditions of L 15A, NAME AND TITLE OF SIGNER (Type or print)	he document referenced in Item 9A or	10A, as heretofore changed, remains unchanged and 16A, NAME, AND TITLE OF CONTRACTING O	
		Sheri Brooks	
159. CONTRACTOR/OFFEROR	15C. DATE SIGNED	168. WHITEO STATES OF AMERICA	9/29/2019
(Signature of person authorized to sign)		(Signature of Contracting Officer)	1/01/001/

NSN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243

001171111111171011011011	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	GS-10F-0083L/HSHQDC-12-F-00178/P00008	2	4
The state of the s		-	

TEM NO. (A)	SUPPLIES/SERVICES	QUANTITY (C)	UNIT (D)	UNIT PRICE	AMOUNT
(A)	(B)	(0)	(0)	(E)	(F)
	Discount Terms: Net 30 FOB: Destination Period of Performance: 09/29/2014 to 09/28/2015 Change Item 1001 to read as follows(amount shown is the obligated amount):				
001	Support Stabilization and Maturation Information Technology Services (Not-To-Exceed (b)(4) Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT Requisition No: RUAS-13-00191	(b)	LO	(b)(4)	(b)(4)
	Delivery Location Code: DHS Department of Homeland Security 245 Murray Lane Mailstop 0075 Washington DC 20528 Accounting Info: NONE013-000-MA-20-00-00-02-07-0600-00-00-00-00-GE-OE-25-37-F13191 Funded: (b)(4)				
	Change Item 1003 to read as follows (amount shown is the obligated amount):				1.
003	Integration with internal Geospatial Information System / Geospatial Information Infrastructure Reporting Systems (Ontional CLIN) (Not-To-Exceed Product/Service Code: D302 Product/Service Description: IT AND TELECOM- SYSTEMS DEVELOPMENT Requisition No: RUAS-13-00191 Delivery Location Code: DHS	(b)(4)	HR	(b)(4)	(b)(4)
	Department of Homeland Security 245 Murray Lane Mailstop 0075 Washington DC 20528 Accounting Info: NONE013-000-MA-20-00-00-00-02-07-0600-00-00-00-00-00-00-00-00-00-00-00-0	*			
	Change Item 1005 to read as follows(amount shown is the obligated amount): Continued				

CONTINUATION SHEET REFERENCE NO. OF DOCUMENT BEING CONTINUED GS-10F-0083L/HSHQDC-12-F-00178/P00008 3 4

TEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
14/	(6)	107	(2)		\Z/
.005	Integration to other Business Intelligence	(b)(4)	HR	(b)(4)	(b)(4)
	Tenants within Business Intelligence Data		T	1/2/	
	Warehouse Platform. (Optional CLIN)		İ		
	(Not-To-Exceed(b)(4)				
	Total Line Item Value\$(b)(4)				
3	Product/Service Code: D302				
1	Product/Service Description: IT AND TELECOM-	l			*
	SYSTEMS DEVELOPMENT				
	Requisition No: RUAS-14-00134	į.	1		
ĵ	Delivery: 09/28/2014				
	Delivery Location Code: DHS	- 3			
	Department of Homeland Security				
	245 Murray Lane				
2	Mailstop 0305				
	Washington DC 20528				
	Accounting Info:				
	NONE14-000-MA-20-00-00-000-02-07-2001-00-00-00-00-				
	GE-0E-25-37-834 Funded: (b)(4)				i.
	Funded:				
	Change Item 1006 to read as follows (amount shown				
	is the obligated amount):	ļ			
1006	Integration to other External and Internal	(b)(4)	LO	(b)(4)	(b)(4)
339657456.)	Business Systems		The second		
	(Optional CLIN)			in the	
i	(Not-To-Exceed (b)(4)				
	Product/Service Code: D302		1	1	
	Product/Service Description: IT AND TELECOM-	ĺ			
	SYSTEMS DEVELOPMENT				
	Requisition No: RUAS-13-00191				
	Service and the service and th			4	
	Delivery Location Code: DHS				
İ	Department of Homeland Security				
	245 Murray Lane		ı		
	Mailstop 0075				F4
	Washington DC 20528	ĺ			
	Accounting Info:				
	NONE013-000-MA-20-00-00-000-02-07-0600-00-00-00				
	-GE-OE-25-37-F13191				
	Funded: (b)(4)				
	Change Item 2002 to read as follows (amount shown			1	
	is the obligated amount):				
	15 the optigated amount;				
2002	Automation of additional regulatory Annual				(b)(4)
	Reporting Requirements		1	•	
	(Optional CLIN)				
	Continued				
	7				
1					