

**Attachment 1, System Task Order Performance Work Statement
For Period 2/27/09 – 9/30/09**



U.S. Customs and Border Protection

System Task Order (STO) Statement of Work (SOW)

Version 3.0

April 15, 2009

U.S. Customs and Border Protection SBl^{net} Program

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2.0 STO Statement of Work (SOW)

This Task Order specifies the program management, system design and associated engineering activities required to achieve an integrated program across all Task Orders (TOs) issued under the Department of Homeland Security (DHS) Customs and Border Protection (CBP) Secure Border Initiative Network (SBI*net*) Indefinite Delivery Indefinite Quantity (IDIQ) contract. The Contractor shall ensure that the associated activities are integrated at the program level to achieve full control and visibility of cost, schedule, and system performance.

This SOW will be limited to those activities required to successfully deploy the SBI*net* Block 1 configuration as currently defined and implemented. The work to be performed during the extension period shall finalize all outstanding items such as defining and implementing fixes to identified deficiencies, testing of such fixes and necessary engineering support to the deployment of Block 1 in Tucson and Ajo as further detailed below. Should any additional design work, which is currently deferred pending a DHS decision, become necessary this work will be defined as an ECP and added to the Task Order.

The Contractor shall plan all system engineering and management activities in a manner as to assure that, as appropriate, the activities being performed under the other IDIQ Task Orders are executed in a manner that will assure that SBI*net* capabilities are being developed from a systems perspective rather than as individual system segments.

This Performance Work Statement (PWS) covers the period of performance (PoP), 2/27/09 – 9/30/09. The PWS is derived from the SOW to specify only those tasks and deliverables to be accomplished during the PoP.

2.1.0 Program Requirements and Analysis

2.1.1. Systems Analysis

This section is not applicable for this period of performance.

2.1.2. Mission and Operational Document Analysis and Support

The Contractor shall support the customer by reviewing customer needs as defined in the documents below. Specific released documents to be provided by the Government for review are:

- a) SBI*net* CONOPS Document
- b) SBI*net* Integrated Logistics Support Plan

Based on review results, the Contractor shall provide program, system and design impacts and recommendations for courses of action to the government along with cost, schedule, and risk. Review results will be presented in contractor format.

2.1.3. System-level Analysis and Assessment

This section is not applicable for this period of performance.

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2.1.3.1. Key Performance Parameters

This section is not applicable for this period of performance.

2.1.3.2. System-Level Assessment Trade Studies

This section is not applicable for this period of performance.

2.1.3.3. System-Level Border Characterization

This section is not applicable for this period of performance.

2.1.3.3.1. Transportation Analysis

This section is not applicable for this period of performance.

2.1.3.4. System-Level Modeling and Analysis

The contractor shall maintain an analysis capability to assess current and future deployment performance.

2.1.3.5. System Modeling Validation

The Contractor shall provide verification & validation evidence to support an accreditation decision for models and simulations that meet the criteria specified in the Coast Guard Commandant Instruction (USCG COMDTINST) 5200.40 section 5 (Policy). The Contractor shall provide a Modeling and Simulation Verification and Validation Plan (CDRL H154), and a Modeling and Simulation Verification and Validation Report (CDRL H155) for both RAMPART and WASSPT.

2.1.3.6. Modeling and Analysis Plan

This section is not applicable for this period of performance.

2.1.4. Systems Architecture, Design, Analysis and Documentation

The Contractor shall support the Architecture Working Group (AWG), in accordance with the Contractor AWG charter.

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2.1.4.1. System Design

The Contractor shall:

- a) Procure, design, develop, integrate, and qualify components into SBI*net* Block 1.0:
 1. SST tower
 2. RAT tower
 3. Combo tower
 4. MSTAR Radar
 5. Laser Illuminator
 6. L3/Cinicinnati Electronics Camera Suite
 7. Axsys Camera Suite
- b) Design, develop, integrate, and verify the CAG Tower reconfiguration using Boeing Whitepaper (2 May 08) as a point of departure.

2.1.4.2. Design Reference Scenario Development and Analysis

This section is not applicable for this period of performance

2.1.4.3. Architecture Framework

The Contractor shall:

- a) Develop the SBI*net* System Design and Architecture in accordance with the CBP System Lifecycle (SLC).
- b) Deliver the SBI*net* system design in a System Design Document (CDRL, H146).
- c) Submit a Technology Insertion Request (TIR) for technology not previously approved by CBP (CDRL, H147).
- d) Update the Architecture Description Document (Rev F), if new hardware or software is added, deleted, or changed in the SBI*net* Architecture.

2.1.5. Reserved

This section is not applicable for this period of performance.

2.1.6. Advanced Technology Demonstrations

2.1.6.1. Reserved

This section is not applicable for this period of performance

2.1.6.2. Technology Assessments and Capability “Gap Analyses”

This section is not applicable for this period of performance.

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2.1.6.2.1. Advanced Technology Demonstration Planning

This section is not applicable for this period of performance.

2.1.6.3 Specific Technology Assessments

This section is not applicable for this period of performance

2.2.0 Systems Specification and Requirements Allocation

2.2.1. Systems Engineering Plan (SEP)

The contractor shall:

- a) Align all system engineering plans and processes in accordance with the SEP, V2 (dated 24 November 2008) and update System Engineering Management Plan (SEMP) accordingly.

2.2.2. Specialty Engineering Planning, Analyses and Requirements

The Contractor shall maintain a *SBI*net Specialty Engineering (SpE) Program in the following functional disciplines:

- a) System Security and Information Assurance
- b) Parts, Materials and Processes (PM&P)
- c) Reliability Maintainability Availability (RMA)
- d) Human Factors Engineering (HFE)
- e) System Safety
- f) Affordability
- g) Maintain a Specialty Engineering Plan (SpEP) that includes:
 1. Functional disciplines listed above, except for the Affordability Program Plan which is a stand-alone plan.
 2. The interdependencies with the *SBI*net Integrated Logistics Support (ILS) program.

2.2.2.1. System Security and Information Assurance

The Contractor shall:

- a) Design and implement system security complying with Federal Information Processing Standards (FIPS) 199 Security categorization of the system.
- b) Implement a security design that addresses the applicable security controls specified in National Institute of Standards and Technology (NIST) Special Publication 800-53 Recommended Security Controls for Federal Information Systems, Revision 1, dated December 2007.
- c) Implement physical, administrative, and technical safeguards in accordance with:
 1. DHS 4300A Sensitive Systems Handbook, Version 5.5, dated September 30, 2007.

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2. CBP HB 1400 05C Information Systems Security Policy and Procedures Handbook, Version 1.02, dated October 18, 2006.
 3. Approved DHS Enterprise Architecture, dated February 28, 2008.
- d) Security testing shall be conducted at the device and system-level and meet the following criteria:
1. Complete security testing prior to product delivery.
 2. Delivered products must meet Certification and Accreditation (C&A) requirements specified in DHS, C&A Guidance for Sensitive But Unclassified (SBU) Systems User's Manual, Version 2, dated May 5, 2006.
 3. All development teams shall conduct and document unit and integration security testing.
 4. The Contractor shall develop test cases and document test results.
- e) The Contractor shall develop and prepare the following artifacts for the Security Accreditation Package utilizing the Risk Management System (RMS).
1. Information Technology (IT) Security Risk Assessment (CDRL H127)
 2. System Security Plan (SSP) (CDRL H021)
 3. IT Contingency Plan (CDRL H126)

2.2.2.2. Parts, Materials and Processes (PM&P)

The contractor shall:

- a) Update and maintain a PM&P program.
- b) Maintain the SBInet system-level As Designed Parts and Materials Lists (ADPML).

2.2.2.3. Reliability Maintainability Availability (RMA)

The contractor shall:

- a) Maintain a RMA program.
- b) Perform availability predictions and assessments on a quarterly basis (two deliveries during PoP).
 1. Assess component Failure Mode and Effects Analysis (FMEA) on a quarterly basis in Contractor format.
 2. Develop and maintain a system Critical Items List (CIL) in Contractor format.
- c) Develop and maintain a Failure Reporting and Corrective Action System (FRACAS). Update and maintain a FRACAS Program Plan in Contractor format.

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2.2.2.4. Human Factors Engineering (HFE)

The contractor shall maintain a HFE Program in Contractor format. The Human Factors Engineering Assessment Report (HFAR) shall be updated quarterly (two deliveries during PoP).

2.2.2.5. System Safety

The Contractor shall:

- a) Implement a System Safety Program related to Environment, Safety, and Health (ESH).
- b) Develop, update, and track hazard reports to closure in the System Hazard Analysis (SHA). The program shall be documented as part of the Specialty Engineering Plan in contractor format. SHA updates provided quarterly (two deliveries during PoP).

2.2.2.6. Affordability

The contractor shall:

- a) Maintain an Affordability Program.
- b) Support Program Life Cycle Cost Management affordability analysis in accordance with the Affordability Program Plan (APP).

2.2.3. System A-Specification Development

The contractor shall:

- a) Revise A-Specification to match "as built" configuration for Block 1, after Government/contractor Joint Configuration Control Board (JCCB) approval and CBP direction.
- b) Maintain the System A-Specification (CDRL H141) and requirement object linkages to show traceability between requirements and verification activities.
- c) Document Section 4.0 verification requirements (objectives and success criteria) as defined in the VSS'.
- d) Modifications to A - Specifications will be controlled and approved JCCB.

2.2.3.1. Requirements Traceability Matrix

This section is not applicable for this period of performance.

2.2.3.2. Requirements Database (formerly 2.2.3.b)

The contractor shall utilize and maintain DOORS as its requirements database. The requirements database shall :

- a. Be maintained over the program life cycle
- b. Include and maintain specifications and traceability links in the DOORS database.
- c. Provide full forward and reverse traceability of requirements at all levels.

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- d. Include and maintain VSS' with traceability to the requirements and verification activities.
- e. Develop and implement an Integrated Test Plan Module with traceability to the verification requirements.
- f. Be logically organized.
- g. Provide the CBP System Program Office (SPO) access to the DOORS database (in a read-only mode).
- h. Contractor shall provide a DOORS extract (CDRL H153).

2.2.3.3. Verification

The Contractor shall:

- a. Maintain the VSS' to update success criteria or incorporate changes from updated specifications.
- b. Maintain VSS' in DOORS and closeout requirement verification utilizing DOORS.
- c. Conduct the Verification Working Group to review verification closure.
- d. Maintain metrics to show burndown for overall requirements.
- e. Release final VSS documents to show Block 1 requirement verification closures.

2.2.4. System B-Specification Development and Toolbox Requirements

The contractor shall:

- a. Revise Block 1 B-Specifications (towers, cameras, and radars).
- b. Develop and baseline B-Specifications for components in paragraph 2.1.4.1.1 as applicable.
- c. Allocate the requirements to *SBI*net system functions, taking into consideration available government off-the-shelf (GOTS) and commercial off-the-shelf (COTS) products.
- d. Maintain system and component B-Specifications (CDRL H140), including the VICD and SCD.
- e. Maintain verification methodology for each requirement in section 4.0 of B-Specifications.
- f. Modifications to B-Specifications will be controlled and approved by the JCCB.
- g. Perform all necessary engineering analysis to justify derived requirements for the above systems and make these components an integral part of *SBI*net Block 1.0.
- h. Document Sensor Signal Conditioning Unit (SSCU) development in B-2 Specifications or SCD and update Interface Control Documents (ICD).

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2.2.5. System Interface Documentation

The Contractor shall:

- a) Maintain interface requirements specifications that define Computer Software Configuration Interface (CSCI) requirements.
- b) Maintain Interface Definition Documents (IDD) (CDRL H055) that details how the CSCI software design implements the IRS requirements.
- c) Maintain level-1 ICDs that define non-software interface requirements.
- d) Maintain detailed system-level (Level 1) Interface Definition Documents (IDDs) (CDRL H055).
- e) Maintain Level 1 Interface Control Documents (ICDs) (CDRL H056) to define and control the specific interfaces between *SBI*net and external systems.
- f) Develop subsystem (Level 2) and component-level (Level 3) ICDs to define and control internal interfaces.
- g) IDD and ICD modifications are controlled and approved by the JCCB.

2.2.6. System Verification Planning and Documentation

This section is not applicable for this period of performance. Paragraph 2.2.3.3 above, provides System Verification Planning and Documentation requirements.

2.2.7. System/Component – Level Reviews

The Contractor shall conduct system/component reviews for components identified in paragraph 2.1.4.1.a and CAG Tower activities as applicable:

- a) System Requirements Review (SRR) - (CDRL H018)
- b) Preliminary Design Review (PDR) - (CDRL H019)
- c) Critical Design Review (CDR) - (CDRL H020)
- d) Test Readiness Review (TRR) - (CDRL H144)

2.2.7.1. System/Component SRR

SRRs shall be conducted for components listed in paragraph 2.1.4.1.a and CAG to provide the initial baseline set of system requirements. The Contractor shall deliver the SRR Package (CDRL H018).

2.2.7.2. System/Component PDR

PDRs shall be conducted for components listed in paragraph 2.1.4.1.a and CAG to baseline the preliminary architecture, B-specifications, IDDs and ICDs. The Contractor shall deliver the PDR Package (CDRL H019).

2.2.7.3. System/Component CDR

CDRs shall be conducted for components identified in paragraph 2.1.4.1.a and CAG Tower for to baseline the system design and approve initial component selection. Plans

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and designs for required integration and test facilities shall also be reviewed and approved at the CDR. The Contractor shall deliver the CDR Package (CDRL H020).

2.2.7.4. System/Component TRR

The Contractor shall conduct TRRs for the following test activities:

- a) Phase 2 Regression Testing for both Block 1.0 System and components
- b) Support Toolbox Component Testing of items identified in paragraph 2.1.4.1.a.
- c) CAG Tower Testing.
- d) The TRR will include component, subsystems system and software testing.
- e) Deliver TRR Packages (CDRL H144) for testing activities identified in paragraph a through d.

2.2.7.5. System Block Verification Review (BVR)

This section is not applicable for this period of performance.

2.2.8. Engineering Operations

The Contractor shall:

- a) Provide sustaining engineering support for two deployment efforts.
- b) Maintain an engineering organization that supports engineering activities across all task orders, to include:
 - 1. Systems design and integration, laydown planning, construction and deployment, software design and development, communications design and development, and engineering support for operations
 - 2. Systems engineering processes and provide systems engineering management, including engineering integration and product and process improvement
- c) Support Contractor and Government Working Groups, Technical Interchange Meetings (TIMs) as chartered and approved by the Government and the Contractor.

2.2.9. SBlnet Unique Components

2.3.0. Reserved

This section is not applicable for this period of performance

2.4.0 System Component Identification and Qualification

The Contractor shall complete requirements development and design for the two CAG Towers.

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2.4.1. Component Identification

The Contractor shall:

- a) Identify and select system components that meet the B-specification requirements.
- b) Document vendor/source selections according to the Contractor's Source Evaluation Plan.

2.4.2. SBInet Independent Validation and Verification (IV&V)

The contractor shall support SBInet IV&V activities at Huntsville, Springfield, and two additional locations specified by the Government (The SBInet IV&V program has implemented an IV&V program based on IEEE Std. 1012-2004, Standard for Software Verification and Validation. This standard provides descriptions of the IV&V activities that will be performed for each phase of the development life-cycle).

2.4.3. Reserved.

This section is not applicable for this period of performance.

2.4.4. Component Test Article(s) Testing and Verification

The Contractor shall:

- a) Test components in the System Integration Lab (SIL) for B-Specifications compliance.
- b) Notify the Government of component-level testing 15 calendar days prior to testing activities.
- c) Provide the testing, analysis, and integration results (provide DTP Vol 1 and 2 and a TER).

2.5.0 System Integration, Testing, and Verification

The Contractor shall maintain and/or upgrade test tools, special test equipment and documentation to verify compliance of the SBInet end-item deliverable requirements and System Design Document (SDD).

The contractor shall maintain a System Validation and Verification Plan (CDRL H142).

2.5.1. System Integration and Checkout

The contractor shall:

- a) Perform segment and system integration for the SBInet system.
- b) Identify, define, and control interfaces and verify system functions that require multiple system elements.
- c) Develop, implement, and integrate the required additional functional devices and software to complete integration of the system.

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- d) Define analytical and physical integration strategies, test activities, laboratory facilities; assembly sequence plans and lists the approved program processes that govern system integration.

2.5.2. System Testing

The contractor shall:

- a) Complete Block 1.0 System Qualification testing (excludes deferred System Qualification Test activities).
- b) Complete SQT Block 1.0 System Qualification efforts deferred to TUS-1 prior to commencement of SAT. Analysis and Inspection verification methods shall be completed prior to the government acceptance of the TUS-1 project.
- c) Document test results in Test Quick Look Report 48 hours after test completion.
- d) Document test results in a Test Event Report (TER) 45 days after test completion
- e) Complete qualification of components listed in paragraph 2.1.4.1.a.

2.5.2.1. System Test Planning and Documentation

The contractor shall:

- a) Align all system engineering plans and processes in accordance with the System Engineering Master Plan (SEMP), Version 1 (dated 24 November 2008).
- b) Collaborate with the Government to jointly maintain the Integrated Test and Evaluation Plan (ITEP) in accordance with the TEMP.
- c) Develop and use analytical tools and methods to augment testing to ensure necessary design environments are considered.

2.6.0 Support for System Operational Assessments

The contractor shall:

- a) Support a User Assessment in accordance with the Government User Assessment Statement of Work (SOW detailed in Boeing's Proposal for Playas Testing and User Assessment, Appendix A, dated 19 December 2008).,
- b) Support preliminary IOT&E activities, to include integration of GFE recorder(s) to Block 1.0 system interface and data collection, SME support to addresses US Army IOT&E Team questions for IOT&E preparation, collection of maintenance data that is either electronic or logged, etc

2.7.0 System Development Facilities, Laboratories, and Infrastructure

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2.7.1. SIL Assets

The contractor shall:

- a) Provide continued engineering support for SBI~~net~~ SILs, including the necessary contractor presence.
- b) Support all Government approved SILs with required spares.
- c) Maintain the SIL facility(s) infrastructure limited to:
 - 1. Property Management oversight for government assets.
 - 2. Technical Repair and supply support systems and process for maintaining all government property SIL Assets.
 - 3. Providing current/updated spare and consumable parts analyses and lay in of spares and spare parts to support government assets repair and maintenance.
 - 4. Property and asset systems support capabilities to ensure timely reporting of warranty, calibration, and certification of all ST or STE required for SIL asset support.
- d) Develop and maintain complete in-laboratory system hardware and software configurations, and

The Contractor shall:

- a) Maintain and administer SIL facilities representative of deployed architecture, and hardware and software configurations.
- b) SIL Facilities shall be linked to subcontractor facilities, engineering development models and forward area test facilities as necessary.
- c) Design, produce, and use all models, fixtures, and instrumentation required in support of the system-level test program.
- d) Maintain SIL assets at a level of effort to:
 - 1. Maintain the facility infrastructure
 - 2. Develop and maintain complete in-laboratory system hardware and software configurations

2.7.2. Reserved

This section is not applicable for this period of performance.

2.7.3. Other Test Facilities

This section is not applicable for this period of performance.

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2.7.4. Mission Analysis Laboratory

2.7.4.1. Mission Analysis Laboratory Facility

The Contractor shall manage and operate a Mission Analysis Laboratory in Crystal City, VA in order to:

- a) Manage and use Geographic Information System (GIS) data.
- b) Manage and use Environmental Systems Research Institute, Inc. (ESRI) mapping and GeoDatabase related products.
- c) Support definition of lay-downs and related analyses.

2.7.4.2. ESRI Product Training

The Contractor shall obtain training in key ESRI products including the GeoDatabase and ARCGIS products.

2.7.4.3. Precise Elevation Data

The contractor shall obtain 3 meter or better digital terrain elevation data with processed land cover data, digital elevation model (DEM), and digital surface model (DSM) for the CA, AZ, NM, TX land and Rio Grande border regions.

Coverage will be 30 miles (50km) into the United States and 10 miles (15 km) into Mexico. Vertical accuracy shall be within an average of 2 meters for the entire dataset with no particular area having more than 5 meters of vertical accuracy.

2.8.0 Quality Management and Mission Assurance

2.8.1. Quality Assurance (QA)

The contractor shall maintain a SBInet Quality Assurance Program (QAP) in accordance with the Quality Assurance Plan (ADP Data Item H-MAA-38).

2.8.2. Quality Improvement

The Contractor shall maintain a Quality Improvement Program, in accordance with the QAP.

2.8.3. Mission Assurance

This section is not applicable for this period of performance.

2.9.0 Risk Management

2.9.1. Program Risk, Issue, and Opportunity Management

The Contractor shall:

- a) Apply proactive risk management activities across the SBInet Program in accordance with the Risk/Issue/Opportunity Management Plan (CDRL H149).
- b) Maintain the SBInet Program risk register (BORIS).
- c) Deliver risk assessment reports at each system-level review identified in paragraph 2.2.7 (System/Component – Level Reviews) above.

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2.10.0 Supplier Management and Procurement

The contractor shall maintain a Supplier Management Program in accordance with the approved purchasing system and Boeing processes and procedures. The *SBI*net Program methods and tools used to manage suppliers are contained in the Supplier Management Plan (ADP Data Item H-MAA-37).

Upon completion of a negotiated subcontract, the contractor shall provide the Gov't a copy of the negotiated subcontract.

2.11.0 Program and Business Management

The Contractor shall maintain the Program Management Program in accordance with the Program Management Plan (PMP) .

- a) Conduct monthly Joint Program Management Review's (JPMR) with the government. The JPMR will present individual TO/project technical, cost, and schedule performance status at the JPMR for all task orders issued under the Boeing IDIQ.

2.11.1. Program Management Organization and Facility Services

The Contractor shall provide program coordination and administrative support to execute the program.

2.11.1.1. Tools and Data Integration

The Contractor shall maintain the *SBI*net Program Tools and Data Integration with CBP and teammate information system.

2.11.2. SBInet Configuration and Data Management

The Contractor shall:

- a) Maintain a Configuration and Data Management Program for managing prime contractor and supplier products and data across all Task Orders in accordance with the Configuration and Data Management Plan (CDRL H151).
- b) Maintain a Data Accession List (DAL) (CDRL H132) that includes all deliverables and Accessible Data Products (ADP) (i.e. work products) developed under the *SBI*net Program.

2.11.2.1. Baselines

The Contractor shall generate required system and configuration item (CI) specifications, documentation and baselines.

2.11.3. SBInet Program Planning and Cost Estimating Support

The Contractor shall:

- a. Support *SBI*net Program future planning with the Government, to include support and participation in program roadmap planning, development, and maintenance. The Contractor shall detail their proposed approach that will assure a coherent, coordinated and system oriented approach. Specifically to be included are the C3I

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COP and system related design activities that are being funded under separate Task Orders.

1. The Contractor shall also develop a proposed product oriented Work Breakdown Structure (WBS) for future planning that organizes all Contractor activities under the IDIQ contract from an engineering perspective, independent of funding source, that will ensure components are being developed as part of a system design rather than independent entities. The output of the systems engineering activities shall be a system design that can be implemented as segments under the appropriate individual task orders. Upon Government approval the approach and the WBS shall be used by the contractor in all activities under the general IDIQ contract and adherence to the plan will be one of the Award Fee criteria.
- b. Develop cost estimates for costs of solution components, software, projects, and the aggregate program, to include sustainment and ownership costs.
- c. Support the Government in the development and periodic update of a Common Cost Model (CCM).
- d. The cost estimates shall provide a basis for estimating costs to support development of Life Cycle Cost (LCC) estimates and budget cycle inputs.

2.11.4. Cost and Schedule Management

The Contractor shall:

- a) Develop and maintain a *SBI*net Program Integrated Master Plan (IMP) (CDRL H011).
- b) Develop and maintain a *SBI*net Integrated Master Schedule (IMS) (CDRL H010).
 1. The IMS will include all authorized program, system, and project level activities necessary to successfully execute the program.
 2. The IMS shall identify all inter-project dependencies and external dependencies with all stakeholders.
- c) Use the *SBI*net Program WBS (PWBS) to build the Contractor Work Breakdown Structure (CWBS) (CDRL H148).
- d) Conduct an Integrated Baseline Review (IBR) for the work required in this task order no later than 60 calendar days after definitization award. IBR Package will be provided in accordance CDRL H128.
- e) Deliver a detailed IMS, Control Account Plans and other required documentation in compliance with CDRL H128 to support the IBR.
- f) Maintain a current and accurate description of its *SBI*net EVMS policies and processes in the *SBI*net Integrated Performance Management Plan.
- g) Submit Contract Performance Reports (CPRs), Formats 1 through 5, (CDRL H052)

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h) Provide Contract Funds Status Reports (CFSR) (CDRL H112).

The Government and Contractor shall have a review of the current CPR within 5 working days after Government receipt of the CDRL. This review will have a target of one hour in duration and will include an agenda defined by the Government.

2.11.5. Program Security

The Contractor shall maintain Physical and Personnel Security Programs that conform to the policies, procedures, regulation, guidelines, and the published mission of CBP and DHS central security program. The contractor will maintain the Program Safety and Security Plan.

2.11.6. Program Environment, Health, and Safety (EHS)

The Contractor shall maintain an EHS program that integrates with the Security Plan, and shall act as primary focal for EHS regulatory agency inspections of Contractor and supplier operations, and input/maintenance of data in a Company inspection database.

The Contractor shall maintain field personnel safety procedures for performing work at project site locations, and shall develop and maintain processes for EHS recordkeeping.

2.11.7. Contracts and Data Management

The Contractor shall provide contracts support for the following:

- a) Represent and commit the Contractor organization on contract-related program issues.
- b) Distribute work packages across the Contractor business units in accordance with the TO requirements.
- c) Perform Work Authorization Administration for documentation and communication of work breakdown packages.
- d) Serve as the customer focal point for all contractual matters.
- e) Issue and track correspondence items (incoming and outgoing), and maintain a change history log.
- f) Perform obligation analysis to assess the impact of change activity with regard to scope, change board activities, funding requirements, and coordinate export compliance activities with export control.
- g) Coordinate property administration on the status and maintenance of government furnished property (GFP).
- h) Support budgetary and planning exercises.
- i) Monitor incoming Inter-organizational Work Authorizations (IWAs) as required.

The Contractor shall provide Data Management support for the following:

Data Management tasks include reviewing the contract and contract modifications for requirements, scheduling, monitoring, statusing, delivering, transmitting, and storing

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deliverable contract data, including data from customers, subcontractors, and/or suppliers.

2.11.8. Task Order Preparation and Proposal Development

The Contractor shall support the government in preparing RFP packages. The Contractor shall perform what-if analysis and develop Rough Order of Magnitude (ROM) estimates and NTE proposals as requested.

The Contractor shall prepare, submit and negotiate TO proposals and change proposals in response to SBI~~net~~ requested TOs or contract change orders. The Contractor shall develop cost and pricing data in support of cost proposals and support audits, reviews and negotiations. To support the prime proposal development and negotiation, the Contractor shall generate procurement requests such as RFPs and Requests for Quote (RFQs), perform cost analysis of supplier/subcontractor proposals, resolve proposal related business issues with suppliers and subcontractors, and conduct fact-finding and negotiate the supplier/subcontractor proposals.

2.11.9. Organizational Change Management

This section is not applicable for this period of performance

2.12.0 Intelligence Analysis and Support

This section is not applicable for this period of performance

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ACRONYMS

-A-

ADP	Accessible Data Product
ADPML	As Designated parts and Materials Lists
APP	Affordability Program Plan
AWG	Architecture Working Group

-B-

BOM	Bill of Materials
-----	-------------------

-C-

C&A	Certification and Accreditation
CBP	Customs and Border Protection
C3I	Command, Control, Communications, and Intelligence
CCM	Common Cost Model
CDR	Critical Design Review
CDRL	Contract Data Requirements List
CFSR	Contract Funds Status Report
CI	Configuration Item
CIL	Critical items List
CONOPS	Concept of Operations
COTS	Commercial off-the-Shelf
CPR	Contract Performance Report
CSCI	Computer Software Configuration Interface
CWBS	Contractor Work Breakdown Structure

-D-

DAL	Data Accession List
DHS	Department of Homeland Security
DOORS	Dynamic Object-Oriented Requirements System
DTP	Detailed Test Plan

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-E-

ECP Engineering Change Proposal
EHS Environment, Health and Safety
ESH Environment, Safety and Health
ESRI Environmental Systems Research Institute, Inc.

-F-

FIPS Federal Information Processing Standards
FMEA Failure Mode and Effects Analysis
FRACAS Failure Reporting and Corrective Action System

-G-

GFP Government Furnished Property
GIS Geographic Information System
GOTS Government-off-the-Shelf

-H-

HFAR Human Factors Engineering Assessment Report
HFE Human Factors Engineering

-I-

IBR Integrated Baseline Review
ICD Interface Control Document
IDD Interface Definition Document
IDIQ Indefinite Delivery Indefinite Quantity
ILS Integrated Logistics Support
IMP Integrated Master Plan
IMS Integrated Master Schedule
IOT&E Independent Operational Test and Evaluation
IT Information Technology
ITEP Integrated Test and Evaluation Plan

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IV&V Independent Validation and Verification
IWA Inter-organizational Work Authorization

-JKL-

JCCB Joint Configuration Control Board (Government and Contractor)
JPMR Joint Program Management Review
LCC Life Cycle Cost
LOS Line-of-sight

-M-

M&S Modeling and Simulation

-N-

NIST National Institute of Standards and Technology
NTE Not-to-exceed

-O-

ORBBP Operational Requirements Based Budget Program
ORD Operational Requirements Document

-P-

PDR Preliminary Design Review; or Property Detail Record
PMP Program Management Plan
PM&P Parts, Materials and Processes
PMR Program Management Review
PoP Period of Performance
PWBS Program Work Breakdown Structure
PWS Performance Work Statement

-Q-

QA Quality Assurance
QAP Quality Assurance Plan

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-R-

RAMPART	Radar Advanced Measurement Program For Analysis of Reentry Techniques (correct? Pg. 5 – 2.1.3.5)
RFP	Request for Proposal
RFQ	Request for Quotation
RMA	Reliability Maintainability Availability
RMS	Risk Management System
ROM	Rough Order of Magnitude

-S-

SAT	System Acceptance Test
SBI <i>net</i>	Secure Border Initiative Network
SBU	Sensitive But Unclassified
SCD	System Control Drawing
SDD	System Design Document
SEP	System Engineering Plan
SEMP	Systems Engineering Management Plan
SHA	System Hazard Analysis
SIL	System Integration Laboratory
SLC	System Lifecycle
SOW	Statement of Work
SpE	Specialty Engineering
SpEP	Specialty Engineering Plan
SPO	System Program Office
SRR	System Requirements Review
SSCU	Sensor Signal Conditioning Unit
SSP	System Security Plan
SSPP	System Safety Program Plan
STO	System Task Order

-T-

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TEMP	Test and Evaluation Master Plan
TER	Test Event Report
TIM	Technical Interchange Meeting
TIR	Technology Insertion Request
TO	Task Order
TRR	Test Readiness Review

-U-

U.S.	United States
USCG COMDTINST	- Coast Guard Commandant Instruction

-V-

VICD	Vendor Item Control Drawing
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-W-

WASSPT	Wide Area Surveillance Sensor Placement Tool
WBS	Work Breakdown Structure

-XYZ-

None

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**APPENDIX A. CONTRACT DATA REQUIREMENTS LIST
(CDRL)TERMS**

- All CDRLs require Customer approval/disapproval.
- CDRL due dates are calendar dates.
- Delivery method for all CDRLs is electronic (PIMS).
- Extension Authorization to Proceed (ATP) is 10 March 2009

	CDRL No.	Title	SOW Paragraph	Data Item Description Number	Initial Delivery	Final or Frequency	Format
1.	H010	Program Integrated Master Schedule	2.11.4b 2.11.4f	SBI-DID-0057	N/A – Continued from base period	15th of each month	MS Project 2003 or newer
2.	H011	Integrated Master Plan	2.11.4a	SBI-DID-0015a	Extension ATP + 30 Days	As Req	MS Office
3.	H018	System Requirements Review / System Functional Review Package	2.2.7.1	SBI-DID-0032a	30 Days Prior to System SRR 15 Days Prior to Component SRR	5 days after SRR	MS Office
4.	H019	Preliminary Design Review Package	2.2.7.2	SBI-DID-0019a	30 Days Prior to System PDR 15 Days Prior to Component PDR	5 days after PDR	MS Office
5.	H020	Critical Design Review Package	2.2.7.3	SBI-DID-0020a	30 Days Prior to System CDR 15 Days Prior to Component CDR	5 days after CDR	MS Office
6.	H021	System Security Plan	2.2.2.1	SBI-DID-0049	at System CDR	30 days prior to ST&E	MS Office
7.	H052	Contract Performance Reports	2.11.4h	SBI-DID-0016a	N/A – Continued from base period	Monthly – by 22 nd of each month	IAW CDRL 27, Formats 1 & 5
8.	H055	Interface Definition Documents	2.2.5	SBI-DID-0047	Draft 15 Days Prior to PDR	10 days after final applicable B-Spec approval	MS Office
9.	H056	Interface Control Documents	2.2.5	SBI-DID-0048	Draft 15 Days Prior to PDR	10 days after final applicable B-Spec approval	MS Office

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	CDRL No.	Title	SOW Paragraph	Data Item Description Number	Initial Delivery	Final or Frequency	Format
10.	H112	Contract Funds Status Reports	2.11.4i	SBI-DID-0041	N/A – Continued from base period	Quarterly	MS Office
11.	H126	IT Contingency Plan	2.2.2.1	SBI-DID-0043	at system CDR	10 days prior to ST&E	MS Office
12.	H127	IT Security Risk Assessment	2.2.2.1	SBI-DID-0044	at system CDR	as required	MS Office
13.	H128	Integrated Baseline Review Package	2.11.4	SBI-DID-0045a	14 Days prior to IBR for Extension Period	As Required per approved baseline change	MS Office, MS Project
14.	H132	Data Accession List	2.11.2	DI-MGMT-81453A	N/A – Continued from base period	Update every 60 days	MS Office
15.	H140	B-Specifications Document	2.2.4	SBI-DID-0054a	Draft Required 45 days prior to PDR	10 Days after PDR	MS Office
16.	H141	A-Specifications Document	2.2.3	SBI-DID-0055a	Draft Required 30 days prior to SRR	10 Days after PDR	MS Office
17.	H142	System Validation and Verification Plan	2.5.2.1	SBI-DID-0056	N/A – Continued from base period	as Required	MS Office
18.	H144	Test Readiness Review Package	2.2.7.4	SBI-DID-0072a	30 Days Prior to System TRR 15 Days Prior to Component TRR	15 days after TRR	MS Office
19.	H146	System Design Document	2.1.4.3	SBI-DID –0073	60 Days Prior to MDP-3	Update Annually	MS Office
20.	H147	Technology Insertion Request (TIR)	2.1.4.3	SBI-DID –0074	60 Days Prior to MDP-3	Update quarterly	MS Office
21.	H148	Contractor Work Breakdown Structure	2.11.4	SBI-DID –0075	Extension ATP + 60 Days	As Required	MS Office
22.	H149	Risk Management Plan	2.9.1a	SBI-DID –0076	Extension ATP + 60 days	N/A	MS Office
23.	H151	Configuration Management Plan	2.11.2	SBI-DID –0078	Extension ATP + 60 days	N/A	MS Office
24.	H153	DOORS Database	2.2.3.2	SBI-DID –0079	Extension ATP + 30 Days	Monthly	DOORS 8.1 or newer (.dpa format)

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	CDRL No.	Title	SOW Paragraph	Data Item Description Number	Initial Delivery	Final or Frequency	Format
25.	H154	Modeling and Simulation Verification and Validation Plan	2.1.3.5	SBI-DID –0080	Extension ATP + 90 Days	N/A	MS Office
26.	H155	Modeling and Simulation Verification and Validation Report	2.1.3.5	SBI-DID –0081	Extension ATP + 120 Days	N/A	MS Office

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Ground Rules and Assumptions

Technical Ground Rules and Assumptions

1. Use the current Government furnished CONOPS, version 2 (July 2007) and baseline ORD, version 1 (March 2006) documents
2. The Systems Engineering Management Plan (SEMP) version B is the baseline for the STO proposal.
3. One System Level Systems Requirement Review (SRR) (4th Qtr) will be held in CY 08 for Block 2 System including segments and component/subsystems with initiation of prime mission product selection process.
4. Analysis and support for the testing of the Block 1 system for the deployment projects is included in the STO Task Order.
5. The primary Mission Analysis Laboratory is located in Crystal City, VA (WDC area).
6. Access will be provided by CBP to Government facilities and information for design assessment of future task orders.
7. Modeling and Simulation (M&S) support for training will be done in the Integrated Logistic Services (ILS) TO.
8. All required ESRI licenses will be Government Furnished.
9. CBP approval, upon task order award, of all Bill of Material (BOM) Subcontractors as identified in the attached proposal.
10. SOW 2.6.0 Support for System Operational Assessments would be proposed as LOE and direction will be provided by SBI^{net} PMO if additional LOE is required.
11. As part of the STO Extension proposal, the Contractor shall provide costs related to paragraph 2.7.4.3 Precise Elevation Data. The Contractor shall also provide separate costs for Tucson Sector and the Arizona border. Paragraph 2.7.4.3 will be exercised only with Gov't approval.
12. Contractor shall bid for one (1) review for each document listed in Paragraph 2.1.2 within the POP.
13. Paragraph 2.4.2 – Contractor shall provide the Government an executable version of ROBBERS and user manual in support of IV&V.
14. Paragraph 2.1.4.1.a – Contractor shall price each component independently.

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15. The contractor shall maintain Playas for the PoP. Shutdown activities are not included in this PWS.
16. Award fee for the extension PoP will not have mid-term assessment.
17. System Level Modeling and Analysis (Paragraph 2.1.3.4)
- a. B.1 and B.2 should be priced separately.
 - b. B.1 analysis should not take a "blank slate" approach. Rather, the analysis should assume that all legacy towers (sensor & comms) can support the necessary equipment loads and determine what additional towers are necessary to complete the jumps back to the backhaul.
 - c. B.1 outputs are Maps (electronic & 2 large format hardcopies) and documentation that addresses analysis inputs, outputs, limitations, & assumptions.
 - d. B.2 outputs are similar in form & content to last year's ORBBP support outputs (i.e., Maps {electronic & 2 large format hardcopies}, meeting notes, and documentation).
 - e. OBP representatives from the 9 sectors will travel to Boeing's Crystal City MA&A laboratory to participate in working sessions.
 - f. The Marfa, Yuma, and El Centro working sessions will require 2 days of discussion per sector [i.e., 6 days total].
 - g. The San Diego, Tucson, El Paso, Del Rio, Laredo, and Rio Grande Valley working sessions will require 3 days of discussion per sector [i.e., 18 days total].
18. Maintain CAG capability as a standalone system in accordance with the ILS TO.
19. SIL Assets (2.7.1). SIL assets that require repair will be funded by the Gov't if no repair warranty remains.
20. User Assessment Proposal Appendix A, GR&A list.

Contract Ground Rules and Assumptions

1. The negotiated price is predicated upon a period of performance of 2/27/09 through 9/30/09.
2. The contract type is cost plus award-fee. Base fee is (b) (4) and Award fee is potential maximum of (b) (4)

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3. Task Order Preparation is currently estimated to support a steady level of effort for 10 proposals in this period of performance.
4. The current *SBinet* program WBS has been used for the proposal extension and the IBR will incorporate the new WBS if it is completed.
5. Individual task orders will include costs associated with additional effort not included in the STO (i.e. contracts and pricing, supplier management, business operations, etc.)
6. Travel dollars are excluded from fee calculations in accordance with contract clause B.3 Travel and Other Direct Costs.
7. The STO includes the *SBinet* core Program Management function for all task orders (Program Management Organization, Program Coordination, Tools and Data Integration, *SBinet* Configuration and Data Management, *SBinet* Program Planning and Cost Estimating Support, Cost and Schedule Management, Program Security, Program Environment, Health, and Safety (EHS), Contracts and Data Management, TO Preparation and Proposal Development.
8. The applicable IDIQ Contract I.2 (Clauses Incorporated by Reference (FEB 1998) – Continuation) shall apply: I.2.1 (All Delivery, Task, and Construction Orders), I.2.2 (All Cost-type Task and Construction Orders, and I.2.3 (All Cost-type Task Orders).
9. Invoices for cost incurred shall be submitted on a monthly basis in accordance with FAR 52.216-7, Allowable Cost and Payment.
10. Customs and Border Protection (CBP) will provide a formal response to the delivered Task Order CDRLs no-later-than 10 working days after Boeing CDRL submittal. Boeing will incorporate any required changes or proceed as directed in the CBP response letter within a minimum of 10 working days, or longer period if approved. The re-submittal time period will not begin until CBP comments have been received.
11. CDRLs not accepted or rejected by the Government within 10 working days of Gov't receipt are considered accepted, unless an extension is provided by the Gov't.
12. Work package level will be provided for the rationale/preparation of alpha contracting discussions.