The Mission Engineering task area includes the Modeling and Simulation activities supporting Systems analysis and Architecture definition, refining the SBInet Concept of Operations, Trade Studies and analytical activities, Operations and Maintenance Planning, and the Program Coordination and Administration activities associated with the planning, preparation, collection and analysis of operational metrics.

6.1.1 Systems Analysis and Architecture (1.1.9.2)

6.1.1.1 Modeling and Simulation (1.1.9.2.1, 1.2.2.4)

This task is to develop and validate models necessary to design and effectively predict border security system-of-systems architectures and concepts of operations. The intent is not to develop new models or simulations. The intent is to create models using combinations of existing modeling and simulation tools to find the appropriate model variable and constant input values, develop input scripts, and perform analysis on the output scripts. It includes reviewing and updating the needs statement for each model. Included in this task are the following:

Border Threat Migration Model. Develop and validate the Border Threat Migration Model using the SEAS and Rampart modeling tools to meet Task Order requirements. Run simulations and models to accomplish the Task Orders. Develop and present Pre- and Post-Run briefings, provide reports, and attend meetings to support the SBInet Architecture.

Sensor Placement Optimization Model. Develop and validate the Sensor Placement Optimization Model using the SEAS, Rampart, and OPNET modeling tools to meet Task Order requirements. Run simulations and models to accomplish the Task Orders. Develop and present Pre- and Post-Run briefings, provide reports, and attend meetings to support the SBInet Architecture.

Business Process Model. Develop and validate the Business Process Model using BAM and EXTEND modeling tools to, meet Task Order requirements. Run simulations and models to accomplish the Task Orders. Develop and Present Briefings both Pre- and Post-Runs, provide reports, and attend meetings to support the SBInet Architecture.

Cost Comparison Model. Develop and validate the Cost Comparison Model using the BACEM modeling tool to meet Task Order requirements. Run simulations and models to accomplish the Task Orders. Develop and present Pre- and Post-Run briefings, provide reports, and attend meetings to support the SBInet Architecture.

Force level models will also be used to manage the border environment. This includes the SEAS and Rampart modeling tools to determine asset locations and effectiveness. The models will be used to determine optimal sensor locations and pre-position BP assets. In addition, business process models will be used to simulate the time it takes to process and deport an alien. These flow models will be critical in sizing parameters within the fielded system. The CAIV models, using BACEM to determine the most cost-effective system to be fielded, shall also be incorporated. All of these models can be linked together either manually or automatically to iterate to the best fielded system possible.

6.1.1.2 Concept of Operations (1.1.9.2.2)

With the support of the CBP program office, document the SBInet concept of operations following the process defined in the System Engineering Master Plan. This will include system trade studies and system simulation results to date, the integration of SBInet organizations and systems, and integration with external agencies and systems.

6.1.1.3 Trade Studies (1.1.9.2.3)

Conduct trades studies to establish the SBInet architecture's (1) detail design, (2) component selection, and (3) system deployment. Trade studies shall adhere to a standard process. This process includes (1) establishing criteria, (2) defining alternatives, and (3) analyzing alternatives relative to criteria and selection. This process also uses simulation models, analyzes all pertinent requirements, and determines system measure of effectiveness.

6.1.2 Operations & Maintenance Planning (1.1.9.4)

Operations Planning develops and implements the Integrated Maintenance and Support Plan. Operations Planning also ensures the proper data accumulation and preparation for LCCM team CDRLs. The plan integrates the LCCM and Asset Management function reports.

6.1.3 Program Operational Metrics (1.1.1.2)

Program Administration and Coordination personnel accumulate, analyze, and disseminate program operational metrics. Program operational metrics are defined in the Quality Assurance Surveillance Plan (QASP).

6.2 Technology Development Task Area

Partnering with CBP, the Contractor shall establish a joint Integrated Deployment Team to refine the deployment approach. The team, organized by Sector, will consist of CBP sector experts and be jointly coordinated from Washington, D.C. The first sector deployed will be the path finder for each subsequent sector, depending on that sector's specific needs. The Contractor shall continually measure capability effectiveness and, together with CBP, shall identify future technological enhancements. This will feed an ongoing Capability Roadmap that identifies improvements necessary to enhance performance.

New technologies shall be assessed and proven in two ways: (1) operationally through pilots in CBP Sectors, and (2) through the Integration Center (IC). The IC shall (1) assess and qualify new technology and processes; (2) test, assess, certify, and deploy low-risk, common, reliable, modular, architecture components across the networked SBInet system; and (3) integrate with the CBP COP.

6.3 Prime Mission Product Task Area

The Contractor shall provide the Department of Homeland Security (DHS) and U.S. Customs and Border Protection (CBP) a comprehensive solution to the challenge of detecting, apprehending, and processing people who cross our borders illegally and/or smuggle personnel and contraband between the Ports-of-Entry or through the Ports-of-Entry. The solution will not only meet the U.S. Border Patrol's two primary border control goals (i.e. detecting illegal crossings of our borders and effectively responding to those detected), but will also seamlessly integrate with the overall Secure Border Initiative, including other efforts to reduce illegal immigration, such as the detention and removal function carried out by the Bureau of Immigration and Customs Enforcement (ICE).

This solution includes a toolbox of technologies for unique border environments. Components are common across border environments for efficient deployment, training, maintenance, and integration with other government systems.

The Prime Mission Product described herein includes four segments per the Government Work Breakdown Structure (GWBS): (1) field agent systems, (2) surveillance and detection systems, (3) command, control, and communications systems, and (4) mobile response platforms.

For this section the specific hardware items and quantities are identified in the SBInet Bill-of-Materials.

6.3.1 Field Agent Systems

Field Agent systems include communication and COP-related components that are deployed in the field with the agent or in the agent vehicle. Definition of specific items proposed as Field Agent Systems (delineated below) is included in the SBInet Equipment and Services Bill-of Materials (BOM).

- Satellite Phones (1.2.6.3).
- C2 Hardware (Laptop, Tablet, PDA, Radios) (1.2.3.1).

6.3.2 Surveillance and Detection Systems

6.3.2.1 Fixed Surveillance and Detection Systems

The Contractor shall provide a toolbox of proven technologies for improved surveillance,

(b) (7)(E)

[redacted]

(b) (7)(E)

[redacted]

6.3.2.2 Airborne Sensors

The Contractor shall provide new communications for existing aircraft sensors and cameras to integrate with the COP.

6.3.2.3 Marine Sensor Systems (1.2.4.2)

Marine radars shall be deployed for surveillance and detection of incursions across water borders (i.e. lakes; rivers).

6.3.2.4 Sensor Processing

The Sensor Signal Processing functions of acquiring, processing, and correlating sensor data are included in the SOW paragraphs for the Common Operating Picture (COP) 6.3.3.1.

6.3.2.5 Inspection Systems

6.3.3 Command Control and Communications Systems

6.3.3.1 Common Operating Picture

The Contractor shall provide a multi-level, real-time, Common Operating Picture (COP) of the environment, assets, and actions occurring at the northern and southern U.S. border regions and ports of entry. The COP solution shall provide mutually agreed upon levels of situational awareness and visibility to CBP and DHS. The situational awareness and visibility shall be in accordance with security guidance assigned to SBInet. This solution will increase the operational efficiency and effectiveness of currently deployed CBP assets and personnel, as well as provide a framework for long term growth, technical insertion of new monitoring capabilities and integration of personnel assets in to a functional and scaleable command and control system.

The COP is a geospatially-aware framework that visually represents sensor inputs, vector and raster-based map data, deployed assets/resources, known targets of interest and allows for the control of these dissimilar entities throughout the area operation.

6.3.3.1.1 C2 Software (1.2.3.2)

C2 Software development includes acquiring the basic Intergraph I/CAD software suite and developing the necessary sensor and communications interface and display provisions required to tailor the Intergraph I/CAD system or other COTS, GOTS, or custom-developed software and systems. This provides a multi-level, real-time, common operating picture of the environment, assets, and actions occurring within the northern and southern U.S. border regions and at the Ports of Entry (POE).

6.3.3.1.2 C2 Integration (1.2.3.3)

C2 integration includes the definition and implementation of the COP within the SBInet system-of-systems. Interface protocols and provisions to external databases and open-source intelligence systems shall be defined and the COP deployment increments will be integrated into a cohesive national system.

6.3.3.2 Case Processing Systems

The SBInet information infrastructure shall support secure data communication and database interoperability necessary for the implementation of case processing provisions to improve generation, filing, and sharing of illegal immigrant case-related information within and among CBP, DRO, and other law enforcement agencies.

6.3.3.3 Intelligence Systems and Applications

The Contractor shall use open-source intelligence to anticipate smuggling and illegal crossing trends based on geo-political and other developments in Canada, Mexico, and Central and South America, and based on tactical intelligence from border towns. A commercial service (IJET), already being provided to CBP, will be leveraged to provide expanded predictive capabilities related to illegal immigration and narcotics smuggling, tunneling, or other activities on the other side of the southern and northern borders that would be of interest to CBP.

6.3.3.4 Wireless Communications

The Contractor shall ensure BP Agents have reliable voice communications at all times, in all locations. Provisions shall be provided to physically locate a BP Agent by means of his vehicle anywhere within the sector. In addition to the coverage footprint, voice communications shall have available channels/bandwidth at all times. BP Agents and CBP Officers shall be provided with reliable, interoperable voice communications with each other, with local law enforcement, and with BP agents in other sectors and CBP officers. To accomplish this, the Contractor shall design and deploy communications infrastructure that will:

- Increase coverage, reliability, and interoperability of voice communications.
- Simplify and consolidate agent communication devices.
- Support multiple data/media types.
- Integrate with IWN in the future.

Definition of specific items proposed under Wireless Communications is included in the SBInet Equipment and Services Bill-of-Materials (BOM).

- Fixed Terrestrial (1.2.6.1).
- Mobile and Wireless (1.2.6.2).
- Satellite (1.2.6.3).

6.3.3.5 Information Technology (IT) Infrastructure

Information Infrastructure includes hardware (i.e., servers, routers, gateways, storage devices, switches, commercially leased communication lines) and system software (i.e., database management, operating system, and network management) that provide an environment for operating and maintaining software applications. The Contractor's Information Infrastructure shall comply with the goals of the DHS enterprise architecture and align with the continuing IT initiatives of CBP and DHS (i.e. U.S.- VISIT, ENFORCE/IDENT, IWN and EAGLE). The elements of Information Infrastructure are standards-based, open-architecture, COTS products that provide the backbone for information dissemination and collaboration. Definition of specific items (delineated below) proposed as IT Infrastructure is included in the SBInet Equipment and Services Bill-of-Materials (BOM). The Contractor shall design, develop, implement, operate and monitor, and provide user support for all IT components.

- C2 Hardware (Servers, Workstations, Displays) (1.2.3.1).
- Hardware (1.2.5.1).
- Software (1.2.5.2).
- Databases (1.2.5.3).

6.3.4 Mobile Response Platforms

The Contractor-proposed Mobile Response platforms include sensor and communications upgrades for manned aircraft (included under Surveillance and Detection 6.3.2 and Wireless Communications 6.3.3.2, respectively), Unmanned Surveillance Aircraft, Manned Aircraft, Water Vehicles, and Rapid Response Transport Vehicles. Definition of specific items (delineated below) proposed as Mobile Response Platforms is included in the SBInet Equipment and Services Bill-of-Materials (BOM).

- Manned Aircraft.
- Unmanned Aircraft (1.2.8.1).
- Water Vehicles (1.2.8.2).
- Response Ground Vehicles.
  Land Vehicles (1.2.8.3).
  Detainee transportation (1.2.7.5).

6.4 Facilities and Infrastructure Task Area

The Contractor shall determine requirements for, plan for, architect and engineer, design, construct, test, and maintain such facilities and infrastructure required for control of the borders. Such infrastructure shall include tactical infrastructure (fences, roads, lighting, and barriers), power and data infrastructure, and equipment supporting Checkpoints, POEs, Sector HQ, and Border Patrol Stations. The Contractor shall plan and execute land-use regulatory activities associated with deployed systems and facilities.

6.4.1 Tactical Infrastructure

Tactical Infrastructure includes passive vehicle barriers, support structures, power and data infrastructure, roads, lighting, and the installation of roads and fences. Definition of specific items (delineated below) proposed as Tactical Infrastructure is included in the SBInet Equipment and Services Bill-of-Materials (BOM).

- Fixed Passive Barriers (1.2.7.1.1.1).
- Fixed Support Structures (1.2.7.2.1).
- Power Infrastructure (1.2.7.3.1).
- Data Infrastructure (1.2.7.3.2).
- Roads (1.2.7.3.3).
- Lighting (1.2.7.3.4).
- Installation (Roads and Fences) (1.2.9.1).

6.4.2 Facilities

6.4.2.1 SBInet Facilities

Facilities include equipment designated to support Checkpoints, Forward Operating Base locations, POEs, Border Patrol Stations, and Headquarters facilities. Also included in this SOW paragraph is the planning and execution of land-use regulatory activities. Definition of specific items (delineated below) proposed as facilities-related equipment is included in the SBInet Equipment and Services Bill-of-Materials (BOM).

- Checkpoints (1.2.7.4.1).
- Detention (1.2.7.4.2).
- POEs (1.2.7.4.3).
- Sector HQ (1.2.7.4.4).
- Border Patrol Station (1.2.7.4.5).
- Forward Operating Bases.

6.4.2.1.1 Land-Use Regulatory Activities (1.1.6, 1.2.1.9)

The Contractor shall coordinate with local, state, and federal agencies to obtain land use permits, certificates, and clearances including:

- Land Acquisition and Use.

- State and Local Historic Preservation Issues.
- US Fish and Wildlife Service.

The Contractor will plan and manage public outreach meetings and hearings as dictated by statutory and regulatory requirements. The Contractor will also provide a liaison function between program management, systems engineering, construction, and external agencies relative to land use regulatory matters for all authorized Task Orders.

For each Task Order, the Contractor shall (1) obtain land use permits, certificates, and clearances with local, state, and federal agencies; and (2) execute public outreach meetings and hearings as dictated by statutory and regulatory requirements. Potential cooperating agencies (federal) may include the Bureau of Indian Affairs (BIA), Forest Service (FS), Bureau of Land Management (BLM), National Parks Service (NPS), Bureau of Reclamation (BOR), and the Army Corps of Engineers (COE).

6.4.3 Environmental (1.1.6, 1.2.1.9)

The Contractor shall plan and execute the necessary environmental regulatory activities associated with deployed systems and facilities.

The Contractor shall (1) coordinate with local, state, and federal agencies to obtain National Environmental Policy Act permits, certificates, and clearances; (2) plan and manage public outreach meetings and hearings as dictated by statutory and regulatory requirements; and (3) provide a liaison function between program management, systems engineering, construction, and external agencies relative to environmental regulatory matters for all authorized Task Orders.

For each Task Order, the Contractor shall (1) execute the effort to obtain National Environmental Policy Act permits, certificates, and clearances with local, state, and federal agencies; and (2) execute public outreach meetings and hearings as dictated by statutory and regulatory requirements.

6.5 Systems Engineering Task Area

The systems engineering functions shall include the following: (1) architectural definition, (2) life cycle cost and affordability, (3) configuration and data management, (4) requirements management, (5) product design, (6) risk management, (7) quality and mission assurance, (8) specialty engineering, and (9) product/process improvement. The Contractor shall (1) perform and document architecture design and synthesis, including integration with the CBP and DHS Enterprise Architecture; (2) perform and document all necessary design reviews and all required analysis of technical solution alternatives; and (3) develop, collect, publish, and analyze Technical Performance Measures (TPM) during the course of development, production, deployment, and operation.

6.5.1 Engineering Management (1.2.2.1)

The Systems Engineering Management tasks for each task order include the following:

- Management of the resources assigned to the SBI program to implement the Task Order including:
  Cost Account Management (budget definition, tracking, and reporting), Work Break-down Structure (WBS) definition, Schedule performance (identification of the tasks being performed by each of the functions, scheduling those tasks and monitoring performance to schedule).
  Requirements Adherence: Ensuring that all functions being performed and products being delivered are in accordance with the contractual requirements and meet the intent of the Statement of Work.
- Customer Relationship Management.
  Receive feedback from and respond to Award Fee feedback from the customer.
  Providing additional customer support as requested/required.
  Response to customer-generated corrective actions.
- Providing inputs and support to all program reviews.

Design reviews.
Management reviews.
Customer reviews.

6.5.2 Architecture (1.2.2.3)

This task is to develop the architecture that will be robust enough to handle changing conditions such as (1) shifting illegal entry patterns, (2) equipment developments, (3) equipment failures, and (4) weather and federal budget changes. The purpose of this system is to assist the Border Patrol Agents in more effectively performing their job.

6.5.3 Life-Cycle Cost/Affordability (1.1.9.1.1)

The Contractor shall implement the Affordability/CAIV process as a part of the SBInet program. The Contractor shall prepare Affordability trade study reports and LCC reports and analysis, support competitive assessment, prepare proposals, and develop models. The Contractor shall provide a traceable, credible, and defendable LCC estimate.

6.5.4 Configuration and Data Management (1.1.9.1.2, 1.2.1.3)

Configuration/Change Management. Develop a Configuration Management Plan, maintain documentation under configuration control, identify configuration items, establish the configuration baseline, provide delivery support, provide administrative support to FAT/SAT, provide change management for class I and II changes, and provide technical compliance support.

Data Management/Engineering Release. Implement Data Management processes, act as single-point Data Management Focal with Customer, prepare and maintain schedule reports, perform document control, prepare data transmittal forms, monitor contract data deliveries, perform engineering release functions, and perform contract closeout and certification.

Software Configuration Management. Develop a Software Configuration Management Plan (SCMP), implement the software change request (SCR) tracking system to be available for tracking problems and other changes in the software products and processes, identify software products to be controlled and the level of control for these products, control the identified software products according to the SCMP, maintain the software development library (SDL), support FAT and SAT, CSCI qualification, coordinate production and shipment of software and documentation, and attend meetings.

6.5.5 Requirements Management (1.1.9.1.3)

This task includes development of a top specification and lower tier specification requirements and verification statements. The specifications and the Verification Logic Network (VLN) shall be maintained in a DOORS requirements database. This database will indicate requirements allocations and traceability to/between different task orders and product end items. The VLN traces the verification requirements to the verification activities down to the verification completion notices that "close out" the verification.

6.5.6 Requirements, Interfaces, and Verification (1.2.2.2)

This task tailors the requirements for the solution, to define Task Order particular interface requirements and prepare and complete verification of requirements. Integration and Verification planning, documented in verification plans and activities as well as verification completion notices, will be recorded in DOORS.

6.5.7 Product Design (1.2.2.5)

This task includes the Task Order layout to the block level arrangement of components, integration of the results of the requirements analysis, trade studies, and customer meetings to develop a top-level design that best satisfies all system-of-systems needs. This includes quarterly reviews and briefings through Technical Interchange Meetings (TIM) and partner meetings to address design oversight. This also allows for interactive feedback.

6.5.8 Software Management (1.1.9.1.4, 1.2.2.8)

Software Management shall establish policy and guidelines to ensure software is developed in accordance with CMMI Level 3 or higher. Software Management shall monitor the development and testing of software in accordance with metrics established in the QASP.

Software Management shall define a plan for software validation, certification, and accreditation. This plan will satisfy the CBP requirement to obtain approval of all software deployed in the SBInet infrastructure and DHS Certification and Accreditation (C&A) process as described in National Institute of Standards and Technology (NIST) Special Publication 800-37. Software interfacing shall merge additional disparate items between CBP and the Contractor.

The Software Management effort for each Task Order will be defined and estimated separately under this SOW. The effort under this SOW includes the validation, certification, and accreditation of software developed under the Task Order scope of work.

6.5.9 Risk Management (1.1.4, 1.2.1.7)

The Contractor shall act as Risk Manager (RM) for the SBInet Program Management Task Order and conduct all Risk Management Team (RMT) meetings. The Contractor shall support the SBInet program manager and the Risk Management Board (RMB) by reporting and creating visibility of risk at program reviews and control boards, and in disseminating risk across the program to incorporate into program activity. The Contractor shall coordinate and lead all risk activity for the Program Management Task Order, which includes the following:

- Implement the Contractor risk management process across the program: be the program focal point for identification, analysis, handling, tracking, and communicating of risk.
- Lead all program risk mitigation activities: ensure that risk mitigation activities are incorporated into program budget and IMS.
- Be the focal point for use of the Risk Management tool.
- Develop and report risk metrics to assist the program in assessing the effectiveness of the risk management process on the program and assess risk resolution on the program.
- Perform Issues and Opportunities Management process using the Risk Management Tool to support program management in executing the program.

The Contractor shall develop and maintain Risk Tracking Documents. These documents consist of a Risk List, a Risk Mitigation Summary, and a Risk Burndown Summary, with monthly delivery of these Risk Tracking Documents to CBP.

Specific Quality and Mission Assurance tasks, activities, and deliverables include the following:

- Quality Engineer (QE).
  - Draft QA Plan/Policy.
  - Participate in developing and reviewing procedures for handling, inspection, and disposition of Customer-Furnished Equipment (CFE).
  - Support development and procurement activities.
  - Review supplier system and process control/support IPT infrastructure.
- Software Assurance Engineer (SWA).
  - Evaluate customer requirements.
  - Perform RFP evaluation.
  - Participate in source selection activities.
  - Assess Capability Maturity Model/Capability Maturity Model.
  - Support CMMI Level 3 certification process.
- Product Quality Assurance Representative (QA).
  - Pre-contract customer proposal support.
  - Review requirements and determine manufacturing/inspection capability.
  - Review manufacturing plan, develop QA, integrate and test plan, support test data analysis, and obtain customer input.
- Procurement Quality Assurance Representatives (PQA).

Provide quality requirements for Purchase Contracts.
Receive and Disposition (accept or reject) of product or services. Conduct quality assurance product acceptance activities at supplier's facilities.

- Quality System Integrity Representative (QSI).
  - Internal Quality Audit.
  - Process Records.
  - Task Nonconformance data collection and metrics.
- Safety, Health and Environmental Affairs Representative (SHEA).
  - Safety, Health and Environmental Affairs Representative Oversight activities.

The following are the tasks that Quality and Mission Assurance shall provide to support each Task Order:

- Provide support for:
  - Hardware maintenance.
  - Spares inventory.
  - Configuration and data management.
  - Requirements interfaces and verifications.
- Provide support for Integration Acceptance Testing of the following:
  - Mobile Sensor towers.
  - Upgrades for existing towers.
  - Unattended ground sensors.
  - Upgrade UAV.
  - Agent vehicles.
  - Existing agent vehicles.
  - DRO and mobile command
  - Upgrades for Station.
  - Upgrades for Sector.
- Provide SHEA assistance/guidance to NEPA requirements.
- Provide support for maintenance of system security certification and accreditation.

6.5.10 Specialty Engineering (1.2.2.6)

Specialty engineering is all the engineering disciplines that require specialized knowledge or insight in determining the solution to complex problems. This includes areas such as Reliability, Availability, Maintainability and Test (RAM&T), Environmental, Parts Materials and Processes (PM&P), Frequency Management, and System Security. These specialties are matrixed across the elements of the design, Systems engineering, sensors communications, architecture, and modeling and simulations.

6.5.11 Product/Process Improvement (1.1.9.1.5)

This task provides quality training, monitors metrics to ensure quality of engineering products, ensures the Contractor best practices are executed across the company and with subcontractor teams, and develops and archives lessons learned.

6.6 Test and Evaluation Task Area (1.1.9.3)

The Contractor shall conduct an independent test and evaluation program through the use of prototype, production, or specifically fabricated hardware/software to obtain or validate engineering data on the performance of the SBInet solution. Test and evaluation activities shall include conducting detailed planning, testing, support, data reduction and report preparation. The Contractor shall design and produce all models, specimens, fixtures, and instrumentation required to support the system-level test program. The Contractor shall support an independent operational test and evaluation program conducted by the government to assess SBInet's operational effectiveness and suitability, security, and logistics (i.e. compatibility, interoperability, reliability, maintainability, logistic requirements.), cost of ownership, and modification requirements. The Contractor will prepare test and evaluation result reports.

6.6.1 ITV Planning (1.1.9.3.1)

The Contractor shall develop the overall concept for Integration, Test, and Verification. The Contractor shall develop Master Integrated Test Plans and Test Procedures. These plans shall provide the basic ground rules and protocols for the recurring Test and Verification activities to be performed under the separately funded task orders.

6.6.2 Integration Lab (1.1.9.3.2)

Two primary Integration Labs are planned for SBInet. One is a software integration facility located in Huntsville and the second is the Joint Contractor/CBP Integration Center located in El Paso, Texas. An additional Contractor integration and test facility is located at the Kollsman facility in Merrimack, NH, which will be used for testing of SBInet systems in representative northern border environments. A sustaining level of effort shall maintain the lab infrastructure for the integration and software development activities.

6.6.3 Test and Evaluation (1.2.2.7)

The Contractor shall develop and perform the system test strategy. Full interoperability testing verifies the ability of the system to operate cooperatively with selected systems from the internal interfaces to national SBInet systems. This testing is designed to verify interfaces and information exchanges within the SBInet systems. As the specific test objectives are defined, entrance and exit criteria are developed to demonstrate platform/system readiness.

6.6.4 Integration (1.2.2.9)

The Contractor shall execute the following for the Task Order:

- Integration of HW-SW Mobile Elements: Integrate mobile component hardware and software to assure functionality and performance.
- Integration of HW-SW Fixed Elements: Integrate fixed sensing and communication relay component hardware and software to assure functionality and performance.
- Integration of HW-SW Balance of Implementation: Integrate Sector and station component hardware to software to assure functionality and performance.

6.6.5 System Acceptance Testing (SAT) (1.2.9.2)

System Acceptance Testing shall be performed to ensure deployed SBInet systems are thoroughly validated prior to proceeding with full-scale implementation. System Acceptance testing shall establish that the system performs as expected in an environment that represents the intended deployment environment. Supporting documentation and reference materials shall be updated, in support of System Acceptance Testing, to ensure consistency with the final delivered system.

6.7 Training Task Area (1.3.1)

CBP and support personnel training shall ensure efficient and effective use of staff and technology. The Contractor shall provide a modular train-the-trainer solution for operations. Operation training shall take place in the field and include system functionality as well as exercises unique to each sector. The Contractor approach includes a combination of instructor-led training, train-the-trainer, in-field training and exercises, Computer-Based Training (CBT), and hands-on learning. The proposed Integration Center housing the modeling and simulation and technology insertion activities also will play a role in the integrated training approach.

6.8 Integrated Logistics Support Task Area

Integrated Logistics Support includes all activities and processes necessary to support and maintain the SBInet Border control solution through the end of the solution's service life. Integrated Logistics services include (1) maintenance management and system support analysis, (2) call center operations, (3) asset management, (4) critical property and spare parts storage, (5) management and inventory records, (6) field services, (7) maintenance and overhaul, and (8) training. The Contractor shall submit an Integrated Logistics Support plan 45 days after ATP to define the logistics and maintenance infrastructure necessary to keep the capability reliably deployed in the field.

6.8.1 Asset Management (1.2.1.4)

For each authorized Task Order, the Contractor shall execute the asset management functions required for government asset identification, control and traceability, formal accountability records, and disposition of CBP assets. In addition, asset management shall perform all financial reporting documents and perform risk/liability management on behalf of the Contractor for CBP assets in custodial care.

6.8.2 Hardware Maintenance (1.3.2)

The Operation support team shall develop and implement LCCM team execution planning and support Field Service operations.

6.8.3 Software Maintenance (1.3.4)

The software maintenance process begins after formal delivery. Maintenance activities include identifying and analyzing problems including administering a Problem Report and/or Change Request system as well as the actual changes to the software itself. The software maintenance process does not include planned functional block upgrades.

6.8.4 Spares and Inventory (1.3.3)

The Contractor Inventory Asset Management Team is comprised of product support inventory managers and Government property specialists. The combination of these two skill-sets provides inventory/spares analysis and control and SBInet supply-chain accountability.

6.9 Deployment and Installation Task Area (1.2.9.1)

The Contractor shall provide the materials and services for installation of prime mission and support equipment (including facilities) for the complete SBInet solution. This includes deployment, on-site integration, and checkout or shakedown to ensure operational status. The Contractor shall prepare necessary deployment and installation engineering plans, checkout procedures, and schedules. The Contractor shall perform required site preparation, deployment package integration, and installation.

6.10 Operations Support Task Area

The Contractor shall provide the operational support required for the SBInet solution, exclusive of integrated logistics support. This support will include operating the Network Operations Center and Security Operations Center, manning the Customer Support (Help Desk), and IT Systems Support as required by CBP.

6.10.1 Operations Support (1.3.6)

The Contractor shall provide a Network Operations Center (NOC) and Security Operations Center (SOC) as a subelement of the existing CBP Network. The NOC will provide standard network management services for the infrastructure as described in the ISO FCAPS framework. The SOC will provide security services required to ensure monitoring and security compliance with CBP security policies, including managing firewalls and intrusion-detection systems. Both the SBInet NOC and SOC will operate within the CBP network domain as either an integrated segment of the overall network or as a separately managed subnetwork within the CBP domain. Both will be collocated with CBP network and security management activities.

6.10.2 Customer Support (Help Desk) (1.3.5)

A Customer Support Help Desk shall be established and staffed to resolve user issues and to ensure availability and responsiveness of all information technology applications and IT infrastructure components.

6.10.3 Information Technology (IT) Systems Support (1.3.7)

IT Systems support shall manage firewalls and intrusion-detection systems. IT Systems Support will provide installation and maintenance for fielded systems and will create, maintain, and remove user accounts, user login controls, and perform password maintenance.

6.11 Program Management Task Area

The Contractor Program Management plans, organizes, coordinates, authorizes, and controls the overall program to meet technical, quality, cost, and schedule requirements. Program Management services are applied over the entire SBInet program life and include all activities and processes from contract award through the period of performance.

6.11.1 Program Management Office (1.1.1)

6.11.1.1 Program Manager/Deputy/Chief Engineer (1.1.1.1)

The Contractor shall designate a Program Manager (PM), Deputy Program Manager (DPM), and Chief Engineer (CE) to provide the SBInet Program and Technical governance and be the key points of contact for all programmatic and technical matters. The PM and DPM shall have the responsibility and authority to represent and commit the Contractor on programmatic matters. The PM and DPM are responsible for creating a partnering environment with CBP and ensuring that the Integrated Product Teams work in a collaborative manner. The DPM is also responsible for implementing the Program Management Best Practices model and associated measurement and program visibility tools. The PM and DPM are supported by a small team of Program Specialists to ensure that Program Management Best Practices and nonoperational metrics are captured and to support communications and the welfare of the team. Additional support is provided to ensure that there is full visibility to CBP.

6.11.1.2 Program Coordination and Administrative Support (1.1.1.2)

Program Coordination is responsible for tracking issues and action items and developing reports to support weekly and monthly program reviews and to rapidly respond to ad-hoc requests for program-related information. Other responsibilities include coordinating and de-conflicting program reviews, independent and nonadvocate reviews, and internal and external compliance audits. Administration functions are responsible for the overall support of the Program Management effort through the provision of the office administration.

6.11.2 Project (Task Order) Office

6.11.2.1 Project Manager (1.2.1.1)

The Task Order Management tasks include:

- Manage the resources assigned to the SBI program to implement the Task Order Tasks:
  - Cost Account Management (budget definition, tracking, and reporting), Work Breakdown Structure (WBS) definition, Schedule performance (identification of the tasks being performed by each of the functions, scheduling those tasks, and monitoring performance to schedule.
  - Requirements adherence: Ensuring that all functions being performed and products being delivered are in accordance with the contractual requirements and meet the intent of the Statement of Work.
- Customer Relationship Management.
  - Receive feedback from and respond to Award Fee feedback from the customer. Provide additional customer support as requested/required.
  - Respond to customer generated corrective actions.
- Provide inputs and support to all program reviews.
  - Design reviews.
  - Management reviews.
  - Customer reviews.

6.11.2.2 Project Coordination and Administrative Support (1.2.1.2)

The Task Order Management tasks for Project Coordination and Admin Support include:

- Support operations in areas such as metrics collection.
- Coordinate meetings and reviews including distribution of meeting minutes and agendas.

6.11.3 Business Management (1.1.2)

6.11.3.1 Cost and Schedule Management (EVMS) (1.1.2.1, 1.2.1.5.1)

Cost and Schedule Management is responsible for preparing, implementing, and maintaining the performance management baseline (PMB) as well as preparing and maintaining the following documents, to be used during the performance of the program: Integrated Performance Management Plan (IPMP), Work Breakdown Structure (WBS), Work Authorizations (WA), Integrated Master Schedule (IMS), weekly and monthly Equivalent Persons (EP) reports, weekly and monthly Earned Value (EVMS) reports, weekly and monthly IMS updates, and various analytical products and Business Reports and Briefing Packages, which shall include a weekly and monthly Program Management Review package, monthly Cost Performance Report (CPR), quarterly Contract Funds Status Report (CFSR), and quarterly Estimates at Completion. In addition, cost and schedule performance data across the program will be integrated into a single database for an integrated set of cost and schedule performance metrics and schedule status reports available electronically.

6.11.3.2 Contracts Management (1.1.2.2, 1.2.1.5.2)

The Contractor shall designate a contracts administrator as the single point of contact for contractual matters. The Contract Administrator shall be responsible for and have authority to represent and commit the Contractor on contract-related program issues. The Contractor shall distribute work packages across the company's business units in accordance with the program plan. The Contractor shall perform Interorganizational Work Authorization Administration as the means to document and communicate the work breakdown. This task encompasses the contracts administration effort associated with the model contract. Contracts administrator manager shall perform general contract administration support during the period of performance of the program. The administrator shall serve as the customer focal point for contractual matters, and shall support program reviews. The administrator shall issue and track correspondences items (incoming and outgoing), and maintain a change history log. The administrator shall also maintain a GFE/GFP log tracking receipt and registration. The administrator shall perform obligation analysis to assess the impact of change activity with regard to scope, change board activities, funding requirements, and export compliance activities. The administrator shall coordinate property administration on the status and maintenance of GFP, support budgetary and planning exercises, and monitor incoming Interorganizational Work Authorizations as needed.

6.11.3.3 Task Order Preparation (1.1.2.3)

Business Management shall (1) cooperatively develop the detailed Task Orders for SBINet by evaluating options using existing cost and schedule data to model alternate choices to achieve customer objectives within funding and schedule constraints, (2) develop a detailed IMS and preliminary resource loads, (3) update the IMS and resource loads through a proposal preparation process, (4) support the implementation team in finalizing the PMB, and (5) participate in Integrated Baseline Reviews (IBRs) for each new Task Order. This WBS element shall cover the Task Order preparation activities of the Business Management function. Other functions will participate in Task Order preparation as noted in their individual write-ups.

6.11.4 Supplier Management and Procurement (1.1.3, 1.2.1.6)

In support of the Program Management Office, SM&P shall be responsible for the following:

- Establish, implement, and maintain a Subcontract Management/Procurement Plan.
- The Subcontract Management Plan for this task shall embody all of the elements of sourcing and subcontracting for the SBInet program. The Plan shall be developed in conjunction with Supplier/Program Management Best Practices.
- Create/maintain major subcontract umbrella task order contracts and flow down coordination and communication to the SM&P task order team.
- EBOM to MBOM configuration and macro requirements flowdown (make/buy) to SM&P task order team.
- Procurement Contracts shall be issued in accordance with the Contractor's approved procurement systems.
- CBP and supplier team interface/coordination for subcontract team decisions.

- Assess new supplier technologies and capabilities and implement/maintain new PIAs, MOUs, MOAs, and TAs.
- Create and establish competitive source selection evaluation criteria and team requirements, including subcontract award fee criteria.
- Participate in program reviews with respect to subcontractor performance, supporting EAC, IMS analysis and schedule management activities, evaluating data items, evaluating and maintaining effective supplier performance metrics, and assessing subcontractor risk, issues, and opportunities.
- Ensuring that subcontractor work scope requirements (i.e., PWSs, specifications, drawings, etc, items/dates) are developed, maintained, and released to the SM&P task order organization for contractual implementation
- Work closely with suppliers and supply chain members to develop a fully integrated supply-chain visibility system for components, subassemblies, material, and supplies in order to monitor points of delivery and delivery times to support schedule.
- Travel to sectors and SM&P task order office to assess needs and staffing requirements.
- Mentor Protégé Development.
- Oversight for SM&P task order team and on-site sector support which includes procurement readiness as follows:

  Major Subcontract: Proposal evaluation, negotiation, procurement contracts ready for placement.

  COTS: Leverage the Contractor enterprise commodity teams for COTS procurement order placement.

  Services Contracts: Model purchase contracts developed.

  Small Business: Small Businesses identified and provided with model contact.

  eBuy/Exostar: Identify products and services for reverse auctions and quick response e-commerce.

  Purchasing Cards: Available for emergency and low value procurements.

For each Task Order, the Contractor Supplier Management and Procurement function shall direct all SM&P task order activity, and serve as the primary SM&P liaison for sector support, customer integration, and supplier Interface. The Contractor Supplier Management shall oversee task order staffing and budgetary and schedule requirements, (2) conduct periodic strategy discussions with the Washington, D.C., Program Management Team, (3) ensure requirements flowdown including providing the necessary management, and (4) act as technical liaison and customer and administrative support.

6.11.5 Security (1.1.8, 1.2.1.11)

Provide the program infrastructure for information security, including certifying and accrediting SBInet information systems and infrastructure. The information security system design shall meet the SBI's Cyber Security Standards and related federal security policies. It shall incorporate industry best practices that improve incident identification and mitigation and increase probability of protection in the future. The Contractor SBInet security solution shall:

- Comply fully with industry standards to implement data authentication, verification, encryption, and information exchange.
- Incorporate security services in a consistent manner such that the SBI's information is protected and accessible.
- Provide unimpeded and readily available business services.
- Include controls and processes to support the security architecture, so that in the event of an attack by an unauthorized entry, the response will be quick and efficient.
- Depict clearly in the security architecture the interconnection and dependencies associated with physical and environment threats.
- Emphasize, as a priority, that responses to security incidents that do occur be quick and effective and that controls will be tightened iteratively to deter future occurrences.

To ensure SBInet system security is fully compliant with all applicable Government security standards, one full-time Information Systems Security Officer (ISSO) is planned. The ISSO is a

security expert and has full responsibility for information program security including but not limited to:

- Developing and maintaining all required security plans.
- Capital planning for security.
- Contingency and disaster recovery planning .
- Coordinating with CBP/DHS to ensure compliance of SBInet systems and information processing facilities.

In accordance with the planning and infrastructure established and managed under the Program Security Task, ensure SBInet system security is compliant with applicable Government security standards as applicable to the specific Task Order implementations.

7 Assumptions and Constraints

The following are assumptions and constraints imposed on the Contractor and any solution for border security.

7.1 Assumptions

The assumptions are grouped by (1) Business; (2) Program, based on conditions within the DHS, CBP, and SBInet environments; and (3) Technical, based on CBP's current technical environment and expected target-state outcomes.

A. Business

1. The SBInet program will serve stakeholders both within and outside DHS such as: federal, state, local, and tribal governments; international partners; industry, and the general public.

2. DHS and CBP business processes and requirements will continue to evolve throughout the life of the SBInet program to reflect new laws, regulations, policies, and threats.

3. The Department of Homeland Security has determined that the product(s) and service(s) to be acquired from the successful offeror pursuant to this solicitation will be good candidates for designation as a Qualified Anti-Terrorism Technology (QATT) as that term is defined by the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, sections 441-444 of title 6, United States Code (the "SAFETY Act") and the SAFETY Act implementing regulations (6 CFR Part 25). While it is not possible to definitively state that the product(s) and service(s) will be designated as QATTs under the SAFETY Act, the consideration of any application for such designation will be expedited if the successful Offeror seeks SAFETY Act liability protections. Moreover, the SAFETY Act application process for the successful Offeror will be streamlined.

   SAFETY Act protections are not a requirement of this procurement. Firms are free to submit applications with the Department's Office of SAFETY Act Implementation at any time for any anti-terrorism technology. Whether an Offeror has previously obtained SAFETY Act protections will not be evaluated as part of this procurement. Offerors are not required to seek SAFETY Act protections in order to submit an offer or to receive an award. Whether to seek the liability protections of the SAFETY Act for a proposed product or service is entirely up to the Offeror. Additional information about the SAFETY Act may be found at the SAFETY Act website at http: //www.SAFETYAct.gov. Proposals in which pricing or any other term or condition is contingent upon SAFETY Act protections of the proposed product(s) or service(s) will not be considered for award. The SBInet Program Office will work with the DHS Office of SAFETY Act Implementation (OSAI) to facilitate and expedite the evaluation and analysis that would be required prior to any final decision on SAFETY Designation or Certification. Offerors may begin the SAFETY Act application process prior to submitting a

proposal in response to the SBInet Solicitation. In fact, OSAI has a pre-application process through which OSAI provides applicants preliminary guidance regarding a technology's prospects for SAFETY Act Designation. Interested parties should contact OSAI at 1-866-788-9318. It is our intent to cooperate with the OSAI in order to minimize the time required to reach a final decision on Designation or Certification. However, no final decision may be reached in the absence of information about the effectiveness of the particular technology that the offeror intends to provide.

4. Unique requirements and conditions (e.g., bonds for construction, labor regulations, etc.) will be specified in applicable task order(s).
5. Additional Business Assumptions were provided in the Contractor response to the SBInet RFP Amendment 7submittal on 4 August 2006.

B. Program

1. The contract resulting from this solicitation will be for use by all components of DHS.
2. CBP, its selected integration partner, and other DHS and CBP Contractors and service providers, must effectively function and coordinate to achieve SBInet's objectives.
3. The funding/appropriations process may constrain the ordering and implementation needed to put solutions in place.
4. The Contractor is responsible for its own security, equipment, and manpower (storage, moving own equipment).
5. Additional Program Assumptions were provided in the Contractor response to the SBInet RFP Amendment 7 submittal on 4 August 2006.

C. Technical

1. SBInet integration Contractor must interface both directly and indirectly, with DHS and its components throughout the term of the contract, including periods covered by the exercise of any task order renewal options. Some development, modification, or enhancement to legacy systems, infrastructure, and processes by current CBP employees and Contractors may be required to ensure integration and interoperability of SBInet solutions within the DHS and CBP environment.
2. The SBInet program solution(s) shall be implemented in a manner that balances interruption of operations with mission improvement for CBP, DHS, and external stakeholders.
3. SBInet solution(s) will utilize products, standards, and services that promote an open and flexible architecture. The Contractor will use Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) products whenever possible. The Contractor will use approved DHS and CBP products, standards, and services when appropriate, but can propose additional elements, as needed, in support of innovative, interoperable, and best-value solutions. The Contractor is expected to plan for the use of DHS planned and existing contracts including, but not limited to: Integrated Wireless Network (IWN) (wireless technology), EAGLE and First Source (information technology products and services), OneNet, and SAFECOM.

4. The SBInet solution(s) must maximize officer and other personnel safety and the welfare of the communities.
5. The deployment and/or capability of IWN, EAGLE, First Source, OneNet, and SAFECOM may not be synchronized or sufficient to support SBInet.

7.2 Constraints

In addition to contractual provisions specified herein and the Laws, Regulations, and Policies specified in Section J, Attachment 02, the following constraints are applicable to all solutions provided under this contract. The Contractor, subcontractors, and teaming partners will adhere to all applicable federal laws, regulations, and policies, including but not limited to the following:

A. Development

1. ISO 9001 Standards certifications or Software Engineering Institute (SEI) Capability Maturity Model (CMM) Level 3 or CMM Integration (CMMI) Level 3 appraisals for the Contractor Team Member doing applicable software development work.
2. The Contractor shall follow DHS and CBP configuration, change, and baseline management practices, and operate within established DHS and CBP configuration management governance structures and guidelines.
3. Where possible, the Contractor will utilize approved DHS and CBP services, products, and standards, as reflected in the DHS and CBP Technical Reference Models (TRM) and Standards Profiles. If additional services, products, and standards are needed for the SBInet solution, proposals for these shall be coordinated and controlled through the appropriate DHS and CBP governance bodies, in accordance with documented Technology and Renewal Processes. Proposals to utilize new or previously unapproved products, services, and standards will be appropriately justified and explicitly linked to the tenets of innovative, flexible, reliable, interoperable, and secure best-value design.
4. The Contractor shall incorporate as much of the available technology, infrastructure, and personnel already deployed in the geographic area as practicable without unduly burdening the utility of any solution(s).
5. Federal Enterprise Architecture (FEA), including compliance with FEA Business, Performance, Data, Service Component, and Technical Reference models. Alignment with FEA is required as a component of OMB budget submissions. The FEA is available at http://www.egov.gov .
6. DHS Enterprise Architecture. Access to the DHS Enterprise Architecture will be restricted until after contract award. Alignment of the selected SBInet solution will be assessed following contract award in accordance with the DHS Capital Planning and Investment Control process.
7. CBP Enterprise Architecture. Access to the CBP Enterprise Architecture technical and application architecture has been made available during Due Diligence Review. Alignment of the selected SBInet solution will be assessed following contract award in accordance with the DHS Capital Planning and Investment Control process.
8. The Contractor and the Government will work together to identify where Section 508 Accessibility Requirements (www.section508.gov) are applicable.
9. CBP Systems Development Life Cycle (SDLC) and Enterprise Life Cycle Methodology (ELCM) guidelines.
10. Asset Management Policies and Procedures (refer to the SBInet library).

11. CBP will approve all software deployed to the SBInet infrastructure or supporting the DHS program using the Certification and Accreditation (C&A) process as described in National Institute of Standards and Technology (NIST) Special Publication 800-37. The Contractor must fully support the C&A process.

12. There are a number of external systems dependencies on CBP, including, but not limited to, International, federal, state, local, and tribal law enforcement system dependencies.

B. Security

1. The Contractor shall safeguard the Government's data security and the physical and data security of its operations and personnel. The Contractor shall comply with all applicable security requirements not previously identified.

2. Contractor employees must have favorably adjudicated background investigation files prior to being given full access to CBP system and sensitive information.

3. Software solutions developed in support of SBInet will follow e-authentication guidelines issued by the National Institute of Standards and Technology (NIST).

4. The Contractor shall ensure its employees adhere to legal and contract requirements concerning U.S. citizenship or, if permitted, legal alien status. The following are the required Best Hiring Practices:

   a. Use the Basic Pilot Program for all hiring.

   b. Establish an internal training program, with annual updates, on how to manage completion of Form I-9 (Employment Eligibility Verification Form) and on how to detect the fraudulent use of documents in the I-9 process.

   c. Permit the I-9 and Basic Pilot Program process to be conducted only by individuals who have received this training—and include a secondary review as part of each employee's verification, to minimize the potential for a single individual to subvert the process.

   d. Arrange for semi-annual I-9 audits by an external auditing firm or a trained employee not otherwise involved in the I-9 process.

   e. Establish a self-reporting procedure for the reporting to ICE of any violations or discovered deficiencies.

   f. Establish a protocol for responding to no-match letters received from the Social Security Administration.

   g. Establish a Tip Line for employees to report activity relating to the employment of unauthorized aliens, and a protocol for responding to employee tips.

   h. Designate a Compliance Officer to ensure that employment practices are in accordance with these best practices (only for employers with more than 50 employees).

   i. Establish and maintain safeguards against use of the verification process for unlawful discrimination.

   j. Establish a protocol for assessing the adherence to the best practices guidelines by the company's Contractors/subcontractors.

C. Site

1. Office of Field Operations (OFO) and Office of Border Patrol (OBP) facilities, including POEs, are owned and/or managed by various federal, municipal, and private organizations, including the General Services Administration, municipal

port authorities, and CBP. The Contractor will operate within the DHS and CBP governance structures. This includes an advisory role to the SBI Program Executive Officer, the PMO, the SBInet Project Office, and interaction with the appropriate change control board(s).

2. Flyover rights and permission shall be coordinated with the appropriate FAA and local authorizing entities.
3. Local, federal, and state codes must be considered and complied with when accomplishing construction.
4. When required, certain regions and areas will require environmental impact assessment and compliance studies.
5. Policies, agreements, and the governances dealing with tribal lands and state and local governments must be adhered to.
6. To plan and execute construction of infrastructure and facilities along the specified border regions including POEs, SBInet must interface with multiple Government service providers including the U.S. Army Corps of Engineers and the General Services Administration.

8 Schedule of Deliverables

The time-phasing (Figure 1) of the Contractor SBInet solution is designed to gain full control of the border in three years. The Program Management Task will span all phases of contract activity and will provide the necessary Program Management and System-of-Systems Engineering to support the individual IDIQ Task Orders. The execution of the Contractor-proposed solution for the Southern and Northern border sectors will be authorized, planned, and executed via discrete Task Orders per the basic IDIQ contract.

The deliverables identified in Figure 2 shall be provided in the specified formats and in accordance with the schedules specified for the individual Task Orders. As-Built documentation shall include an inventory of installed components and shall depict a complete layout (physical and functional) of the system including drawings and schematics detailing equipment enclosure layouts, tower profiles, control room layouts, conduit runs, rack drawings, equipment interfaces, and other required drawings.

Detailed operating manuals enable Government maintenance personnel to become fully conversant, knowledgeable, and able to perform all system operations. Detailed maintenance manuals enable personnel to perform routine preventive and restorative maintenance on system components.

All deliverables shall be submitted for review and acceptance by the Contracting Officer's Technical Representative (COTR). Upon completion of the review, the plans shall be updated with changes. The Final Design Plan and Final Implementation Plan shall then be submitted to the COTR for approval.

(b) (5)

[redacted]

Figure 1. SBInet Implementation Time-Phasing

Deliverable Name	Format
Project Management Plan	MS Word
Scope Management Plan	MS Word
Scope Definition	MS Word
Work Breakdown Structure	MS Project 2000
Project Schedule	MS Project 2000
Cost Management Plan	MS Word
Cost Estimates	MS Word, MS Excel
Quality Management Plan	MS Word
Staffing Management Plan	MS Word
Communications Management Plan	MS Word
Risk Management Plan	MS Word
Procurement Management Plan	MS Word
Test and Evaluation Plan	MS Word
Acceptance Plan	MS Word
Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Communications Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views

Figure 2. SBInet Contract Data Requirements List

Deliverable Name	Format
Sensor Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Infrastructure Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Mobile Platform Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Concept of Operations Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Integration Design Plan	MS Word, AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Weekly, monthly, quarterly reports	MS Word
Meeting minutes	MS Word
Risk tracking documents	MS Word
Test reports	MS Word
Draft Design Plan	AutoCAD, Printed on D-sheet size, individual PDF files for all drawings for all Layout and Model Views
Bill of Materials	MS Excel, with PDF duplicate copy for record Final Design Plan AutoCAD, Printed on D-sheet size, individual PDF files for all drawings and Layout and Model Views
Final Implementation Plan	AutoCAD, Printed on D-sheet size, individual PDF files for all drawings and Layout and Model Views
Operating Manuals, warranties, test results, and registrations	Per manufacturer, PDF or Word
Invoice Submissions	MS Excel with PDF duplicate copy for record
Training Plan	MS Word
Training Materials	Per manufacturer, PDF or MS Word
As-Built Documentation	AutoCAD, Printed on D-sheet size, individual PDF files for all drawings and Layout and Model Views
Status Reports	MS Word
PDR Briefing Package	MS PowerPoint
Developmental Test and Evaluation (DT&E) Plan	MS Word
CDR Briefing Package	MS PowerPoint
DT&E Report	

Figure 2. SBInet Contract Data Requirements List (Continued)

Deliverable Name	Format
MS Word	
Operational Test and Evaluation (OT&E) Plan	MS Word
Operator Report	MS Word
OT&E Report	MS Word

Figure 2. SBInet Contract Data Requirements List (Continued)

[END OF ATTACHMENT 01]

ATTACHMENT 02
CONTRACT LEVEL QUALITY ASSURANCE SURVEILLANCE PLAN (QASP)

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[redacted]

Task	Incentive Performance Objective	Unsatisfactory		Good	
		Range	Fee Dec-rement	Range	Fee In-crement

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[redacted]

Fig. B.2-2. The Boeing Team's success is completely aligned with the success of CBP.

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Task	Incentive Performance Objective	Unsatisfactory		Good	
		Range	Fee Decre-ment	Range	Fee In-crement
(b) (4) [redacted]					

Fig. B.2-2. The Boeing Team's success is completely aligned with the success of CBP

(b) (4) [redacted]

Tasks	Program (Contract) Performance	Technical Performance	
		Functional Development and Implementation Measures	Post-Implementation Measures
Data Sources	(b) (4) [redacted]		

Fig. B.2-3. Approach to SBInet Performance Data Gathering, Tracking, and Reporting

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Tasks	Program (Contract) Performance	Technical Performance: Functional Development and Implementation Measures	Technical Performance: Post-Implementation Measures
Tracking and Surveillance Approach	(b) (4) [redacted]		
Reporting Approach	[redacted]		

Fig. B.2-3. Approach to SBInet Performance Data Gathering, Tracking, and Reporting (Continued)

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Executive Information System for Tracking and Reporting. Boeing will provide an execu-

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Fig. B.2-4. The OSS architecture enables streamlined access to timely data on program performance.

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Fig. B.2-5. Boeing Team Proposed Dashboard for CBP Business Processes

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Fig. B.2-6. Performance Measurement Working Group Charter

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ATTACHMENT 03
GOVERNMENT WORK BREAKDOWN STRUCTURE—CONCEPT OF OPERATIONS—6,000 MILES ROUGH ORDER OF MAGNITUDE (ROM)