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SBI*net* System Task Order (STO)

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. The contractor will recommend an operational mix of technology, infrastructure, and recommended user contingent to secure the U.S. borders.

2.1.0 Program Requirements and Analysis

2.1.1 Systems Analysis

The contractor shall derive required capabilities from system-level mission statements. The Contractor shall derive these capabilities by:

- Developing analytic processes and tools (models and analyses) capable of predicting and demonstrating that defined capabilities satisfy the mission(s)
- Installing and maintaining these tools in a "Mission Analysis Laboratory (Section 2.7.4)" to validate emerging Concept of Operations (CONOPS) and operational requirements
- Performing trade-off studies in terms of KPPs, perceived or potential threat, affordability, practicality, Operational Availability (A_o) and other appropriate factors
- Analyzing effectiveness at the system-level
- Recommending system-level analyses as new information or technological concepts become available from the project-level
- Recommending prioritizations based on perceived threat
- Updating analytic processes and tools to reflect mission analysis and test results

The contractor shall define and document the analysis process that encapsulates past, present, and planned analysis efforts. Analysis and assessment results shall be provided at project workshops, and at System reviews.

2.1.2 Mission and Operational Document Analysis and Support

The Contractor shall support the customer by analyzing customer needs and recommending general approaches. Specific documents to be reviewed include, but are not limited to:

- SBI*net* CONOPS Document

- SBI Mission Needs Statement
- SBI*net* Operational Requirements Document (ORD)
- SBI*net* Common Operating Picture (SBI*net* COP) ORD
- SBI*net* Integrated Logistics Support Plan
- Secure Border Initiative Integrated CONOPS and Requirements Specification Document

Based on review results, the contractor shall provide program, system and design impacts and recommendations for courses of action to the government.

2.1.3 System-level Analysis and Assessment

System-Level Analysis and Assessment efforts are performed to 1) Analyze the ability of existing systems (technology, infrastructure, and personnel) to satisfy CBP needs; 2) assess the ability of existing systems (technology, infrastructure and personnel) to satisfy the requirements: 3) identify deficiencies in existing systems and constraints on potential modifications to existing or new systems; and 4) assess the ability of proposed-systems (technology, infrastructure, CONOPS, and personnel) to satisfy mission objectives.

2.1.3.1 Key Performance Parameters

The Contractor shall conduct system-level analyses and assessments to predict the ability to achieve the Key Performance Parameters (KPPs) defined by the Government and documented in the ORD:

- A_o (percentage of time the system satisfies the mission)
- Probability of Wasted Intercept
- Probability of Detection
- Probability of Intercept
- Probability of Successful Law Enforcement Resolution

These assessments shall evaluate the capability of the system to achieve the KPPs in terms of the overall cost and affordability.

2.1.3.2 System-Level Assessment Trade Studies

The Contractor shall perform trade studies to support system design decisions. Modeling and analysis capabilities developed by the Contractor shall be capable of supporting trade studies.

2.1.3.3 System-Level Border Characterization

The Contractor shall conduct border characterization and analyses to include, at a minimum, the following types of analyses:

- Threat Analysis – The Contractor shall identify and evaluate system threats. For analysis at a system (multiple sector or areas of interest) level, the contractor shall:
  - Identify known and plausible vulnerabilities
  - Identify and evaluate exploitation tactics, techniques, and procedures
  - Profile likely aggressors and regional "noise" levels
  - Determine countermeasures
  - Re-evaluate to address adaptation and co-evolution
  - Identify routes and volumes of traffic for Items of Interest
- Terrain Analysis – The Contractor shall identify characteristics of the Border area and evaluate their impact on system operations and effectiveness. For system-level terrain analysis, the contractor shall include terrain (basic topology), environmental (major weather factors – average snowfall, rain, temperature extremes), and major foliage and physical infrastructure (buildings, existing towers, barriers) considerations in the development of nominal proposed solutions and their related system-level effectiveness analyses.
- Land Use Analysis – The Contractor shall identify known environmental and land use exclusions for the Border area and shall record readily available land ownership information

2.1.3.3a Transportation Analysis

The Contractor shall identify and characterize detainee transportation requirements based on the effectiveness of the SBI*net* system. The Contractor shall identify known and plausible routes of ingress and egress for both aggressors and operations, and evaluate their "cost" in relation to transit time, trafficability, visibility (concealment), protection (cover), and connectivity. For the transportation analysis the contractor shall consider known and plausible routes of ingress and egress for both aggressors and operations as considerations in the development of proposed solutions and their related system-level effectiveness analyses.

2.1.3.4 System-Level Modeling and Analysis

The Contractor shall conduct system-level modeling studies and analyses (M&A) simulations of the combined existing and proposed system to support the definition and refinement of required capabilities and to help evaluate system performance. These efforts shall include:

- M&A Development – including development of M&A of existing and proposed capabilities for sensors/sensor coverage, communications, COP interfaces, and transportation assets for integration into system-level modeling and analyses
- M&A Environment – including installation, operation, administration and management of an M&A environment as part of an overall M&A Program

- M&A Execution for Mission Needs – including execution of M&As, in collaboration with SBI*net*, to identify and refine mission needs and associated capabilities
- M&A Analysis for Mission Needs – including analysis of M&A results to identify and refine system-level requirements
- Simulation Execution for System-level Evaluation – including execution of M&As in collaboration with SBI*net*, to evaluate the predicted and observed performance of the system.
- M&A Support for Notional Field Laydowns – including execution of M&A to support planning for possible future site locations for SBI*net* technologies.

2.1.3.5 System Modeling Validation Reviews

The Contractor shall periodically collect recorded operational and/or system-Level test data and perform comparative analyses to the predictions provided from Modeling and Analysis (M&A) sources. The Contractor shall present the results of the comparative analyses at System Modeling Validation Reviews and identify any required updates to the M&A software to anchor the simulations with actual results.

2.1.3.6 Modeling and Analysis Plan

The Contractor shall develop and Modeling and Analysis Plan (CDRL H143) that describes the modeling and analysis strategy for the SBI*net* Program.

2.1.4 Systems Architecture, Design, Analysis and Documentation

2.1.4.1 Reserved

2.1.4.2 Design Reference Scenario Development and Analysis

The results of the Border Characterizations shall be included in the models and analyses and in Design Reference Missions. The Contractor shall develop and submit for government approval and prioritization Southern and Northern Border Design Reference Scenarios Documents (CDRL H115). This document shall address Between-the-Ports-of-Entry, At-the-Ports-of-Entry, Transportation, and Air and Marine considerations of interest to the SBI*net* Program.

2.1.4.3 Architecture Framework

The Contractor shall create and update the system architecture framework in accordance with CBP and DHS Architecture Guidance. Architecture models shall be aligned with the CBP Enterprise Architecture, DHS Service Oriented Architecture - Technical Framework, Homeland Security Enterprise Architecture Model (HLS EA), the National Information Exchange Model (NIEM), and the Federal Enterprise Architecture (FEA) as applicable.

2.1.6 Advanced Technology Demonstrations

2.1.6.1 Reserved

2.1.6.2 Technology Assessments and Capability "Gap Analyses"

The Contractor shall:

- Collaborate with CBP and SBI*net* to develop a Technology Roadmap for SBI*net*
- Assess architecture capabilities and recommend future technological enhancements
- Identify evolving requirements, gaps in capabilities and potential solutions based upon 1) the lessons learned from installation and operation of the SBI*net* system along the border, 2) research and development from government programs and, 3) research and development in private industry presented in conferences and trade shows
- Identify new commercial products for use in the SBI*net* program as additions to the system

2.1.6.2a Advanced Technology Demonstration Planning

The Contractor shall support the Government in planning and designing technology projects to support capabilities for Advanced Technology Demonstration Projects.

2.1.6.3 Specific Technology Assessments

Detailed assessments of new technologies shall occur upon review and concurrence by the COTR.

2.2.0 Systems Specification and Requirements Allocation

2.2.1 Systems Engineering Plan (SEP)

The Contractor shall collaborate with the Government to jointly develop the SBI*net* Systems Engineering Plan (SEP) to document SBI*net* engineering management processes, and capture, analyze, and apply best practices and lessons learned. In all cases where contractor processes are used, the tailoring of those processes to the SBI*net* Program shall be explained. Any changes to the Contractor's SEMP or the Government's SEP will be coordinated through the joint CCB.

2.2.2 Specialty Engineering Planning, Analyses and Requirements

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

- System Security and Information Assurance

- Parts, Materials and Processes (PM&P)
- Reliability Maintainability Availability (RMA)
- Human Factors Engineering (HFE)
- System Safety
- Affordability

Accordingly, the Contractor shall develop a Specialty Engineering Plan (SpEP) that addresses these topics and the interdependencies with the SBI*net* ILS program.

2.2.2.1 System Security and Information Assurance

The Contractor shall design and implement system security to assure:

- Appropriate security services are provided
- Information Technology (IT) security features work as claimed and cannot be easily defeated
- The system has reasonable security controls to appropriately preserve data confidentiality, availability, and integrity

Based upon the Federal Information Processing Standards (FIPS) 199 Security categorization of the system, the Contractor shall 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 2006 or most current version. Appropriate physical, administrative, and technical safeguards shall be implemented to ensure cost-effective security safeguards are implemented. These safeguards shall be consistent with DHS 4300A Sensitive Systems Handbook, Version 5.5, Dated September 30, 2007 and CBP HB 1400 05C Information Systems Security Policy and Procedures Handbook, Version 1.02, Dated October 18, 2006 or most current version, and with the approved DHS Enterprise Architecture. Security testing shall be conducted at both the device and system-level prior to delivery, to assure that the delivered products meet the Certification and Accreditation (C&A) requirements specified in DHS, C&A Guidance for SBU Systems User's Manual, Version 2, May 5, 2006 or most current version and do not unduly affect existing software and systems performance. All development teams shall conduct and document unit and integration security testing. The Contractor shall develop test cases and document test results.

The Contractor shall prepare documents for the Security Accreditation Package that reflects the security design of the system. To support and standardize the C&A process and manage the documents generated, the security accreditation package shall be prepared using the DHS mandated Risk Management System (RMS) tool. The Contractor shall develop and prepare the following artifacts utilizing RMS:

- IT Security Risk Assessment (CDRL H127)
- System Security Plan (SSP) (CDRL H021)
- IT Contingency Plan (CDRL H126)

2.2.2.2 Parts, Materials and Processes (PM&P)

The contractor shall develop, update, and implement a PM&P program plan, which shall be part of the Specialty Engineering Plan. The contractor shall maintain the SBI*net* system-level As Designed Parts and Materials Lists (ADPML). The contractor shall implement the SBI*net* Government-Industry Data Exchange Program (GIDEP), conduct the SBI*net* Diminishing Manufacturing Sources (DMS) program, and perform SBI*net* parts obsolescence program management.

2.2.2.3 Reliability Maintainability Availability (RMA)

The contractor shall develop, update, and implement a RMA program plan, which shall be part of the Specialty Engineering Plan. . The contractor shall perform availability predictions and assessments, develop and maintain a Failure Reporting and Corrective Action System (FRACAS), assess component Failure Mode and Effects Analysis (FMEA), and develop a system Critical Items List (CIL).

2.2.2.4 Human Factors Engineering (HFE)

The contractor shall develop, update, and implement a HFE Program Plan, which shall be part of the Specialty Engineering Plan.

2.2.2.5 System Safety

The Contractor shall develop, update, and implement a System Safety Program related to Environment, Safety, and Health (ESH). The contractor shall develop, update, and implement a SBI*net* Hazard Safety Tracking System. The plan shall be part of the Specialty Engineering Plan.

2.2.2.6 Affordability

The contractor shall develop, update, and implement an Affordability program plan, which shall be part of the Specialty Engineering Plan. The Contractor shall provide the Program Life Cycle Cost Management affordability analysis support in accordance with the SEP and the Affordability Program Plan.

2.2.3 System A-Specification Development

The Contractor shall develop and maintain the System A-Specification (CDRL H141) and requirement object linkages to show traceability between requirements and verification activities. The Contractor shall develop verification methodologies for each A-Specification requirement. The specifications and traceability links shall be maintained in the Dynamic Object-Oriented Requirements System (DOORS) database. The contractor shall provide DOORS database updates to the Government as requested.

The contractor shall utilize and maintain DOORS as its requirements database. The requirements database includes all requirements specifications, attributes, traceability links and Verification Summary Sheets (VSS) developed for the program. The database project archive should include all deliverable baselines, formal and link modules, requirements and attributes, the requirements traceability matrix, and any root requirements modules (such as the A spec, and ORD) from which the system or software requirements were specified or derived such that the database can be recreated with all links and relationships intact. The contractor shall provide content updates to the requirements database in DOORS format to the Government as requested.

The Contractor shall develop, maintain and provide a Requirements Traceability Matrix in the DOORS database that includes full forward and reverse traceability of requirements at all levels, identification of traceability among dependent SBI*net* projects and task orders, and linkages between requirements and verification activities.

2.2.4 System B-Specification Development and Toolbox Requirements

The Contractor shall allocate the requirements to SBI*net* system functions, taking into consideration available GOTS and COTS products. The Contractor shall develop and maintain System and Component B Specifications (CDRL H140), Vendor Item Control Drawings (VICDs), and Source Control Drawings (SCDs). The Contractor shall develop verification methodology for each requirement. Traceability shall be maintained between the A-Specification, B-Specifications, and VICD/SCDs. Modifications to the A and B Specifications will be controlled and approved by the CBP Program Configuration Control Board (CCB), a joint Government/Contractor CCB.

2.2.5 System Interface Control Document Development

The Contractor shall develop preliminary and detailed system-level (Level 1) Interface Definition Documents (IDDs) (CDRL H055). The IDDs shall include a consolidated and complete data dictionary and shall define all interfaces, including mechanical, electrical, protocol, software, media, and communications channels. The IDDs shall be sufficiently detailed to permit the Government or a third-party to develop systems capable of interfacing with SBI*net*. The Contractor shall ensure that configuration changes which affect Level 1 interfaces are reflected in the IDDs, such that the IDDs remain consistent with as-delivered system configurations.

The Contractor shall develop Level 1 Interface Control Documents (ICDs) (CDRL H056) to define and control the specific interfaces between SBI*net* and external systems. The external systems with which SBI*net* is required to interface are defined in the A-Specification a nd in the Project Specifications. The Contractor shall also develop subsystem (Level 2) and component-level (Level 3) ICDs to define and control internal interfaces.

Modifications to the IDDs and ICDs are controlled and approved by the CBP Program CCB.

2.2.6 System Verification Planning and Documentation

The Contractor shall develop and maintain the verification processes, tools and documentation to be used on the SBI*net* program to verify compliance of the SBI*net* end item deliverable requirements in accordance with the SEP.

2.2.7 System - Level Reviews

The Contractor shall conduct the following reviews: System Requirements Review (SRR), System Preliminary Design Review (PDR), System Critical Design Review (CDR), System Level Test Readiness Review (TRR) and System Level Production Readiness Review (PRR). The format and content for each review shall be in accordance with the SBI*net* Systems Engineering Plan.

2.2.7.1 System SRR

A single SRR shall be conducted to provide the baseline set of system requirements. The Contractor shall deliver the System Requirements Review Package (SRR) (CDRL H018).

2.2.7.2 System PDR

A single PDR shall be conducted to baseline the preliminary architecture, B-specifications, IDDs and ICDs. The Contractor shall deliver the System Preliminary Design Review Package (PDR) (CDRL H019).

2.2.7.3 System CDR

A single CDR shall be conducted to baseline the system design and approve initial component selection. Plans and designs for required integration and test facilities shall also be reviewed and approved at the CDR. The Contractor shall deliver the System Critical Design Review Package (CDR) (CDRL H020).

2.2.7.4 System TRR

A TRR shall be conducted to validate the Contractor's readiness to conduct an end-to-end system level test. The Contractor shall deliver the System Test Readiness Review Package (TRR) CDRL H144.

2.2.7.5 System PRR

A System Production Readiness Review (SPRR) shall be conducted to validate that the Contractor has sufficiently tested the system, demonstrated that the system and components satisfy the requirements, and determined that all vendors are capable of sustained production rates. The SPRR assesses whether the system is available and

ready for deployment in the field. The Contractor shall deliver the System Production Readiness Review Package (SPRR) CDRL H145.

2.2.8 Engineering Operations

The Contractor shall establish an engineering organization that shall be responsible for all engineering activities throughout all task orders. This shall include: Systems Design and Development, Laydown Planning, Construction and Deployment, Software Design and Development, Communications Design and Development, and Engineering support for Operations. The Contractor shall manage their systems engineering process and provide systems engineering management, including engineering integration and product and process improvement. The Contractor shall manage and provide integrated engineering management across all SBI*net* Task Orders.

The Contractor shall support joint IPTs and joint Working Groups as chartered and approved by the Government and the Contractor.

2.2.9 SBI*net* Unique Components

The Contractor shall identify and develop C-level specifications for any unique hardware and software required to integrate and provide required functionality for the SBI*net* system.

2.3.0 Reserved

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2.4.0 System Component Identification and Qualification

2.4.1 Component Identification

The Contractor shall identify and select system components that meet the B-specification requirements. The Contractor shall document vendor/source selections. The documentation shall describe the selection process, (which must be in accordance with the SEP), results of testing and component integration. This documentation shall also include the source of selected products and suppliers. The Government may participate in the source selection process. Government and contractor participation shall follow the processes documented in the SEP.

2.4.2 Reserved

2.4.3 Reserved

2.4.4 Component Test Article(s) Testing and Verification

The Contractor shall test components in the System Integration Lab (SIL) to verify that they meet the requirements of the B-specifications. The Government may witness any and all component testing and verification procedures. The contractor shall notify SBI*net* of upcoming project or system level testing 30 days prior to testing activities.

The contractor shall provide the testing, analysis, and integration results that demonstrate that the component meets these requirements at the System CDR. Initial Component selections will be approved at the CDR.

2.5.0 System Integration, Testing, and Verification

The Contractor shall develop and maintain the verification processes, tools and documentation to be used on the SBI*net* program to verify compliance of the SBI*net* end item deliverable requirements in accordance with the SEP.

2.5.1 System Integration

The contractor shall perform segment and system integration for the SBI*net* system. The Contractor shall identify, define and control interfaces and verify system functions that require multiple system elements. The Contractor shall develop, implement and integrate the required additional functional devices and software to complete integration of the system

The Contractor shall define the 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 conduct system level tests to demonstrate system capabilities of all system configurations planned for deployment. The Government may witness any and all system testing and verification procedures. The Contractor shall document all test results in Test Analysis Results and a Test Evaluation Report. Test results will be used to update modeling and simulation tools.

2.5.2.1 System Test Planning and Documentation

The Contractor shall collaborate with the Government to jointly develop a Test and Evaluation Master Plan (TEMP). The Contractor shall develop a System Validation and Verification Plan (CDRL H0142).

The Contractor shall develop and use analytical tools and methods to augment testing to ensure necessary design environments, such as natural and induced conditions and system-level resources (power, data processing capacity, bandwidth, etc.) are completely bounded.

2.6.0 Support for System Operational Assessments

The Contractor shall provide support to an Independent Operational Test and Evaluation (IOT&E) program conducted by the government to assess SBI*net* operational effectiveness, suitability, security, logistics supportability (i.e., compatibility, interoperability, reliability, maintainability, and logistic requirements), cost of ownership,

and modification requirements. The Contractor shall provide use of test articles, system documentation and, subject matter expertise as requested by the Government.

2.7.0 System Development Facilities, Laboratories, and Infrastructure

2.7.1 SIL Assets

The Contractor shall design, develop, procure, maintain, and administer SIL facilities representative of deployed architecture, and hardware and software configurations. SIL Facilities shall be linked to subcontractor facilities, engineering development models and forward area test facilities as necessary. The Contractor shall design, produce, and use all models, fixtures, and instrumentation required in support of the system-level test program. The Contractor shall develop and maintain these 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, and 3) support Advanced Technology Demonstrations and new technology evaluations. Specifically, SIL facilities shall be capable of supporting:

- Deployed sector system configuration(s) to include P28
- SBI*net* sector and hardware/software configuration(s) for development integration (present block)
- SBI*net* system variants for future deployment (future block)
- Supporting system alternatives analysis and technology evaluations
- SBI*net* system integration

2.7.2 Reserved

2.7.3 Other Test Facilities

At the direction of the COTR, the Contractor shall provide planning services to support development of an independent test range facility to be constructed under a potential future TO. The Contractor shall provide detailed design documentation which specifies critical data paths and components to allow the Government to determine where/how to connect for monitoring of critical data paths.

2.7.4 Mission Analysis Laboratory

The Mission Analysis Laboratory is used to support the definition of laydowns, the analysis of results, and the management and use of Geographic Information System (GIS) data and Environmental Systems Research Institute, Inc. (ESRI) mapping and geodatabase related products.

2.7.4.1 Mission Analysis Laboratory Facility

The Contractor shall establish, manage, and operate a Mission Analysis Laboratory in the WDC area to support collaboration with SBI*net* in the definition, analysis, and review of system and project laydowns and related models and simulations.

2.7.4.2 ESRI Product Training

The Contractor shall obtain training in key ESRI products including the GeoDatabase and ARCgis products to support more effective and efficient application to the laydown process. The training shall include a mixture of Web-based and instructor led courses on the use of relevant ESRI products to include development "toolkits" for automating interfaces to/from the ESRI products to support modeling, simulation and analysis tools. The training effort shall leverage CBP license agreements with ESRI to the extent possible.

2.7.4.3 Precise Elevation Data

The contractor shall obtain precise Digital Terrain Elevation Data (DTED) and image data for the entire land border between the United States and Mexico and the 48 contiguous United States and Canada. This data shall include 1 meter elevation data with at a maximum of 5 meter post spacing in two forms (Digital Terrain Model, Digital Surface Model) and Orthorectified Radar Imagery (ORI) with a 1.25 meter pixel size, accurate to 2 meters horizontally. Coverage will be 30 miles (50km) into the United States and 15 miles (25 km) into both Mexico and Canada. 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 develop and implement a quality assurance strategy and plan that appropriately covers the main products and processes that the contractor is obligated to provide and manage on the SBI*net* program.

The plan shall include reference to the standards of quality that the contractor intends to obtain such as ISO 9001-2000 or other recognized quality management standards.

2.8.2 Quality Improvement

The Contractor's quality management system shall provide for quality improvement within three distinct areas: quality priority management and deployment; quality process management and quality problem solving. The contractor shall target the achievement of quality improvements by concentrating organizational resources on key priority issues. The contractor shall also identify and assure key management and technical processes are stable and capable. Through quality problem solving, the Contractor

shall provide a structured environment to: 1) improve the quality products and services throughout systematic root cause problem solving tools and techniques, 2) develop skills and abilities in relationship to the new environment, materials and operations, processes and procedures being produced, and 3) promote communication and teamwork with project personnel and customer personnel.

2.8.3 Mission Assurance

To further reduce technical and mission risk, the Contractor shall implement a formal mission assurance independent review process based on agreed to high priority phases/components of the SBI*net* system.

The overall purpose of the mission assurance independent review (MAIR) is to insure that the high priority technical work within the SBI*net* system has a more holistic yet detailed examination of risk, quality, customer requirements, and the probability for success than the normal operational daily work that is now covered by standard risk and quality procedures. The government wants to assure that major milestones and key priorities are successfully met the first time.

The Contractor shall therefore develop a detailed Mission Assurance Plan (MAP) that describes the following:

1) How mission assurance shall determine candidates for review,
2) How mission assurance will deploy its MAIR,
3) How data information and knowledge management will be collected, and disseminated to insure appropriate knowledge management and success on high priority issues,
4) The process mission assurance will use to assess program readiness to field or not, and
5) A detailed description of coordination and communication between mission assurance and the SBI*net* SPO.

2.9.0 Risk Management

2.9.1 Program Risk, Issue, and Opportunity Management

The Contractor is responsible for system-level risk assessment, risk identification, and risk mitigation and shall implement Risk Management in accordance with the Risk Management Plan. The Contractor shall establish a Joint Risk Management Board (RMB) at the program-level supported by both Contractor and CBP representatives. The Contractor shall manage and maintain the Risk, Issue and Opportunity (RIO) management tool and provide access to the CBP. The Contractor shall include summary status presentations of risks, issues, and opportunities at the monthly Program Management Reviews (PMRs), along with detailed reports as part of the monthly Program Reports.