

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 4
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2. AMENDMENT/MODIFICATION NO. P00023	3. EFF. DATE 07/21/2009	4. REQUISITION/PURCHASE REQ. NO. 0020036004	5. PROJECT NO. (If applicable)
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6. ISSUED BY Department of Homeland Security Customs and Border Protection 1300 Pennsylvania Ave NW Room 7.2A Washington DC 20229	CODE 7014	7. ADMINISTERED BY (If other than Item 6) Dept of Homeland Security Customs and Border Protection SBI Acquisition Office, Room 7.2C 1300 Pennsylvania Ave., NW Washington DC 20229	CODE
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Zip Code) THE BOEING COMPANY DBA/ BOEING 1215 SOUTH CLARK ST STE 600 ARLINGTON VA 22202-3292	9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	10A. MODIFICATION OF CONTRACT/ORDER NO. / HSBP1208J20016
	10B. DATED (SEE ITEM 13) 04/15/2008

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
See Attached.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (Such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement Between the Parties
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return _____ copies to issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
SEE CONTINUATION PAGES

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) (b) (6)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) MANIJE V. WASHINGTON
15C. DATE SIGNED 7/24/09	16C. DATE SIGNED 7/27/09

PREVIOUS EDITION UNUSABLE

CONTINUATION SHEET

HSBP1208J20016
P00023
PAGE 2 OF 4 PAGES

1. The purpose of this modification is to replace the Statement of Work (SOW) with a Performance Work Statement (PWS), replace the Data Item Description, and create an additional Contract Line Item Number (CLIN).
2. The Statement of Work dated April 15, 2009 is replaced with the Performance Work Statement (PWS) dated July 13, 2009.
3. The Data Item Description (DID) of P00016 are replaced with the attached DIDs.
4. The Government has included a new task under the new PWS and will provide a pot of funding to facilitate its cost. The funding will be decreased as it is used. Authorization for use of the funding will only be authorized by the Contracting Officer or his/her Contracting Officer's Technical Representative. The CLIN is named as follows:

CLIN 10080 (Special Studies/Outside Activities)

The new CLIN is funded at \$500,000.

5. The total task order funding is increased by \$500,000 from \$139,503,319 to \$140,003,319.
6. The task order value is increased by \$500,000 from 221,441,658 to \$221,941,658.

All other terms and conditions of the task order remains the same.

**ATTACHMENT INFORMATION
FOR
AWARD/ORDER/IA HSBP1208J20016, MODIFICATION P00023**

SCHEDULE OF SUPPLIES/SERVICES

Item Number:	01080	Line Item (Priced/Information/Option): P		
Supplies/Services:	Special Studies/Outside Audits			
	Qty	Unit	Unit Price	Ext. Price
	1	AU	\$500,000.0000	\$500,000.0000
Total Funded Contract Value:				<u>\$500,000.0000</u>

ACCOUNTING AND APPROPRIATION INFORMATION

Item: 01080 6999.25CIUSCSGLCS0900009000Z00009173SB03 SB30025C1 Amount \$500,000.0000

DELIVERY SCHEDULE

=====

Deliver To: Customs and Border Protection
 Secure Border Initiative (SBI)net
 1300 Pennsylvania Ave NW Rm 7.5
 Ronald Reagan Federal Building
 Washington DC 20229

Instructions: Item	Quantity	Delivery Date	Recipient	Unloading PT.
01080	1	03/25/2010		



U.S. Customs and Border Protection

Secure Border Initiative *SBl*net Program

System Task Order (STO) Task Order No.: HSBP1208J20016

Performance Work Statement

Rev. 16
July 13, 2009

Attachment 1, System Task Order Performance Work Statement

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Attachment 1, System Task Order Performance Work Statement

1.0 BACKGROUND

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.

2.0 SCOPE

This PWS will be limited to those activities required to successfully deploy the SBI*net* Block 1 configuration as currently defined and implemented. The Contractor will perform the following major tasks under this Task Order extension:

- a) Complete all testing related to the Block 1.0 Design to include any outstanding Component Qualification Test (CQT), Formal Qualification Test (FQT), and System Qualification Test (SQT) testing and define and implement fixes for deficiencies that may be found during verification closeout.
- b) Assist the Government in generating all information and data that will be required for the Acquisition Decision Event 3 (ADE-3) Milestone.
- c) Provide sustaining system engineering in support of deployment activities as needed; this will include system level support to the conduct of the System Acceptance Test (which is covered under the Arizona Deployment Task Order). This will include correction of system design deficiencies during the deployment and post deployment activities.
- d) Provide the necessary Program Execution activities required to effectively integrate and coordinate interdependencies among task orders under the IDIQ contract in order to gain efficiencies and reduce duplication of effort across the program.

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

Should any additional design work, which is currently deferred pending a DHS/CBP decision, become necessary this work will be defined as an Engineering Change Proposal (ECP) and added to the Task Order upon Government approval.

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3.0 COMPLETE BLOCK 1 QUALIFICATION

3.1.0 System Integration, Testing, and Verification

The Contractor shall complete Block 1.0 integration, testing, and verification for the remaining FQT, CQT, and SQT activities to include the ARSS-1 and EIS Camera ECPs.

3.1.1. System Integration and Checkout

The Contractor shall perform system integration and checkout activities to implement corrective actions from all System Qualification Testing.

The Contractor shall:

- a) Perform segment and system integration for the *SBlnet* system.
- b) Identify, define, and control interfaces and verify system functions that require multiple system elements.
- c) Develop, implement, and integrate the required additional functional devices and software to complete integration of the system.
- d) Define analytical and physical integration strategies, test activities, laboratory facilities; assembly sequence plans and lists the approved program processes that govern system integration.
- e) Complete Block 1.0 system level drawings.

3.1.2. System Testing

The Contractor shall:

- a) Complete Block 1.0 FQT, CQT, and System Qualification Test.
- b) Document test initial results in Test Quick Look Report 48 hours after each test completion.
- c) Document test final results in a Test Event Report (TER) 45 days after each test completion.

3.1.2.1. System Test Planning and Documentation

The Contractor shall:

- a) Update system test plan and documentation in accordance with CDRL H144 (Test Readiness Review Package) for each test to be conducted.
- b) Maintain, update, and use analytical tools and methods to augment testing to ensure necessary design environments are considered.

3.1.2.2. System Qualification/Verification Closeout

The Contractor shall complete Block 1.0 closeout activities required to show compliance to A-Spec and B-Spec requirements.

Attachment 1, System Task Order Performance Work Statement

The Contractor shall:

- a) Maintain Verification Summary Sheets VSS's in DOORS and closeout requirement verification utilizing DOORS.
- b) Conduct the Verification Working Group to review verification closure.
- c) Deliver final VSS documents to show Block 1 requirement verification closures (Contractor Format).
- d) The Contractor shall correct system design deficiencies during verification closeout.

4.0 ADE-3 MILESTONE SUPPORT REQUIREMENTS

The Contractor shall assist the Government in generating all information and data that will be required for the ADE-3 Milestone.

4.1.0 Support for System Operational Assessments

The Contractor shall:

- a) Support a User Assessment in accordance with the Government User Assessment Statement of Work (SOW detailed in Boeing's Proposal for Playas Testing and User Assessment, Appendix A, dated 19 December 2008).
- b) Support IOT&E activities through TUS-1 System Acceptance to include OTRR, integration of GFE recorder(s) (RICs) to Block 1.0 system interface and data collection, SME support to addresses US Army IOT&E Team questions for IOT&E preparation, and collection of maintenance data that is either electronic or logged.

4.2.0 Architecture Framework

The Contractor shall:

- a) Deliver the SBInet system design in a System Design Document (CDRL H146).
- b) Submit data in accordance with the CBP Request for Information letter dated June 22, 2009. (Contractor format.)
- c) Submit a Technology Insertion Package (CDRL H147) for the inclusion of any new products not listed in b) or the current CBP TRM.

4.3.0 Support ADE-3 Entrance and Exit Criteria

(Unpriced)

Attachment 1, System Task Order Performance Work Statement

5.0 SYSTEM ENGINEERING AND DEPLOYMENT SUPPORT REQUIREMENTS

The Contractor shall provide sustaining system engineering (including design) and system level support to include:

- a) Completion of verification of the RAT/SST/Combo towers
- b) Completion of CAG tower design update through closeout of CDR activities through drawing release
- c) Completion of Axsys Camera Report
- d) Maintenance and operations of the SILs and labs
- e) Implementation and maintenance of a System Security program
- f) System Engineering and maintenance of engineering data, tools, systems, and processes, including:
 - DOORS
 - Specialty Engineering
 - Support Operational User Group
 - Support meetings to include TIMs, PMRs, Working Groups, JCCB, and JRRB
 - System Design Engineering
 - Modeling and Simulation validation and maintenance
 - Precise Elevation Data

5.1.0 Completion of verification of the RAT/SST/Combo towers

The Contractor shall complete the design and B-Spec verification for the RAT/SST/Combo towers to include the following:

- a) System Requirements Review (SRR) - (CDRL H018)
- b) Preliminary Design Review (PDR) - (CDRL H019)
- c) Critical Design Review (CDR) - (CDRL H020)
- d) Test Readiness Review (TRR) for components identified for test or demonstration for the RAT Power - (CDRL H144)
- e) Deliver final VSS documents to show B-Spec requirement verification closures (Contractor Format) to support first planned deployment.

5.2.0 Completion of CAG Tower Design Update

The Contractor shall complete a modified P28 design to maintain the operation of the two CAG towers and facilities as a standalone P28 capability (in accordance with Boeing white paper dated May 2, 2008) to include:

- a) P28 Concept/Requirements Review tailoring CDRL H018, System Requirements Review (SRR), per CBP letter dated 8 July 2009.
- b) P28 Final Design Review tailoring CDRL H020, Critical Design Review (CDR), per CBP letter dated 8 July 2009.

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- c) Completion and delivery of design documentation and drawings sufficient to generate an executable ECP package.

The purpose of the Concept/Requirements Review is reach agreement on the concept and the required modification to bring the concept into fruition. The approval of the Concept/Requirements Review will result in authorization to proceed to detailed design of the modifications. The Final Design Review will represent a 90% design completion point, with 90% of drawing(s) approved. The approval of the Final Design Review will authorize developing the ECP package to implement the design. The implementation of this design will be through an ECP to the ILS Task Order. This is not intended to have any relationship to the Block 1.0 design.

5.3.0 Completion of Axsys Camera Report

The Contractor shall complete and deliver an Axsys Camera report documenting Axsys prototype evaluation.

5.4.0 Maintenance and Operations of the SILs, Labs, and Test Equipment

The Contractor shall maintain and operate the following SIL locations/facilities to support the integrated conduct of the SBInet program:

- a) Playas
- b) El Segundo
- c) Mesa
- d) Huntsville
- e) NOC/SOC
- f) C3I COP Lab
- g) SA,M&S Lab
- h) Specialized Multipurpose Test Equipment

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5.4.1. SIL Status Report

Deliver a monthly status of all SIL activities including list of test or development/integration activities supported with associated number of hours operated, and 90 day look ahead. (Contractor Format)

5.5.0 Reserved

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

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

5.6.0 Implementation and Maintenance of a System Security program

5.6.1. System Security and Information Assurance

The Contractor shall:

- a) Design and implement system security complying with Federal Information Processing Standards (FIPS) 199 Security categorization of the system.
- b) Implement a security design that addresses the applicable security controls specified in National Institute of Standards and Technology (NIST) Special Publication 800-53 Recommended Security Controls for Federal Information Systems, Revision 1, dated December 2007.
- c) Implement physical, administrative, and technical safeguards in accordance with:
 1. DHS 4300A Sensitive Systems Handbook, Version 5.5, dated September 30, 2007.
 2. CBP HB 1400 05C Information Systems Security Policy and Procedures Handbook, Version 1.02, dated October 18, 2006.
 3. Approved DHS Enterprise Architecture, dated February 28, 2008.
- d) Security testing shall be conducted at the device and system-level and meet the following criteria:
 1. Complete security testing prior to product delivery.
 2. Delivered system must meet applicable security controls specified in Special Publication 800-53
 3. All development teams shall conduct and document unit and integration security testing.
 4. The Contractor shall develop test cases and document test results.
- e) The Contractor shall develop and prepare the following artifacts for the Security Accreditation Package utilizing the Risk Management System (RMS).
 1. Information Technology (IT) Security Risk Assessment (CDRL H127)

Attachment 1, System Task Order Performance Work Statement

2. System Security Plan (SSP) (CDRL H021)
3. IT Contingency Plan (CDRL H126)

5.7.0 System Engineering and Maintenance of Engineering Data, Tools, Systems, and Processes

5.7.1. Maintain Requirements Database

The Contractor shall update and maintain the requirements baseline including but not limited to A-Specification documents (CDRL H141), B-Specification documents (CDRL H140), Interface Control Documents (CDRL H056), software requirements specifications, interface requirements specifications, and architecture description documents.

Proposed changes to the baseline will be authorized by the JCCB and, in the case of software components, the JSRB. Final approval for baseline changes is at the discretion of the JCCB.

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

- a) Be maintained over the program life cycle
- b) Include and maintain specifications and traceability links in the DOORS database.
- c) Provide full forward and reverse traceability of requirements at all levels.
- d) Include and maintain VSS' with traceability to the requirements and verification summary sheets.
- e) Be logically organized.
- f) Provide the CBP System Program Office (SPO) access to the DOORS database (in a read-only mode).
- g) Contractor shall provide a DOORS extract (CDRL H153).

5.7.2. Specialty Engineering

The Contractor shall:

- a) The Contractor shall maintain a *SBlnet* Specialty Engineering (SpE) Program.
- b) The Contractor shall maintain a Specialty Engineering Plan (SpEP) in Contractor format.

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

The Contractor shall maintain a PM&P program.

5.7.2.2. Reliability Maintainability Availability (RMA)

The Contractor shall:

- a) Maintain a RMA program.
- b) Perform availability predictions and assessments.

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- c) Perform a Fault Tree Analysis (FTA) and publish the resulting reports in Contractor format.
- d) Develop and maintain a system Critical Items List (CIL) in Contractor format.

5.7.2.3. Human Factors Engineering (HFE)

The Contractor shall:

- a) Maintain a HFE program.
- b) Update the HFE Assessment Report (HFAR).

5.7.2.4. System Safety

The Contractor shall:

- a) Maintain a System Safety Program.
- b) Update and track hazard reports to closure in the System Hazard Analysis (SHA).

5.7.3. Support Operational User Group

The Contractor shall provide technical and program planning support for an Office of Border Patrol hosted meeting at Contractor facilities to discuss operational, tactical and strategic aspects of technology applicable to the Block 1 System in future laydowns. The meetings are planned for one per FY quarter to aid in programming, planning and budgeting of user needs and will include but not be limited to:

- a) Identifying capability gaps
- b) Enhanced features of the system
- c) System integration feasibility
- d) User priority analysis
- e) Mission need and operational requirement analytical inputs

5.7.4. Support Meetings

The Contractor shall provided engineering support for Contractor and Government Working Groups, Technical Interchange Meetings (TIMs), Joint Program Management Reviews (JPMR), Joint Configuration Change Board (JCCB), and Joint Risk Review Board (JRRB) as jointly agreed by the Government and the Contractor.

5.7.5. System Design Engineering

The Contractor shall correct system design deficiencies during the deployment and post deployment activities.

5.7.6. Modeling and Simulation Validation and Maintenance

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

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The Contractor shall provide verification & validation evidence to support an accreditation decision for models and simulations that meet the criteria specified in the Coast Guard Commandant Instruction (USCG COMDTINST) 5200.40 section 5 (Policy).

The Contractor shall deliver a Modeling and Simulation Verification and Validation Plan (CDRL H154), and a Modeling and Simulation Verification and Validation Report (CDRL H155) for Phase I Tool Set (RAMPART and Feeder Models).

5.7.7. Precise Elevation Data

The Contractor shall obtain and deliver 3 meter or better digital terrain elevation data with processed land cover data, digital elevation model (DEM), and digital surface model (DSM) for the CA, AZ, NM, TX land and Rio Grande border regions. Coverage will be 30 miles (50km) into the United States and 10 miles (15 km) into Mexico. Vertical accuracy shall be within an average of 2 meters for the entire dataset with no particular area having more than 5 meters of vertical accuracy.

(Pricing is only for AZ border.)

6.0 PROGRAM EXECUTION REQUIREMENTS

The Contractor shall provide the necessary Program Execution activities required to effectively integrate and coordinate interdependencies among task orders under the IDIQ contract in order to gain efficiencies and reduce duplication of effort across the program.

6.1.0 Quality Management and Mission Assurance

6.1.1. Quality Assurance (QA)

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

The Contractor shall deliver a Quarterly report of QA Activity in Contractor Format

6.1.2. Quality Improvement

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

6.2.0 Risk Management

6.2.1. Program Risk, Issue, and Opportunity Management

The Contractor shall:

- a) Apply proactive risk management activities across the *SBlnet* Program in accordance with the Risk/Issue/Opportunity Management Plan (CDRL H149).
- b) Maintain the *SBlnet* Program risk register (BORIS).

6.3.0 Supplier Management and Procurement

The Contractor shall maintain a Supplier Management Program in accordance with the approved purchasing system and Boeing processes and procedures. The *SBlnet*

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Program methods and tools used to manage suppliers are contained in the Supplier Management Plan (ADP Data Item H-MAA-37).

Upon completion of a negotiated subcontract, the Contractor shall provide the Government a copy of the negotiated subcontract.

6.4.0 Program and Business Management

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

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

6.4.1. Program Management Organization and Facility Services

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

6.4.1.1. Tools and Data Integration

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

6.4.2. *SBI*net Configuration and Data Management

The Contractor shall:

- a) Maintain a Configuration and Data Management Program for managing prime Contractor and supplier products and data across all Task Orders in accordance with the Configuration and Data Management Plan (CDRL H151).
- b) Maintain a Data Accession List (DAL) (CDRL H132) that includes all deliverables and Accessible Data Products (ADP) (i.e. work products) developed under the *SBI*net Program.
- c) Maintain a Baseline Management Plan (Contractor Format). All system and configuration item (CI) specifications, documentation and baselines shall be available to the Government as ADPs.

6.4.3. Planning and Cost Estimating Support

The Contractor shall provide the Government with *SBI*net Program Planning and Cost Estimating support. These are considered pre-proposal planning efforts and would not be subject to proposal preparation cost reimbursement as defined under PWS paragraph 6.4.8. These efforts shall include providing input for, preparing, and or maintenance of:

- a) *SBI*net Program Roadmap
- b) *SBI*net Program Life Cycle Cost (LCC) models
- c) *SBI*net affordability analysis to support program ownership cost estimates

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- d) *SBI*net planning analyses and excursions to support future orders, e.g., project deployment sequences, production rate accelerations or ramp-ups, demonstrations at Playas or SILs.
- e) Rough Order of Magnitude (ROM) cost estimates
- f) Not to Exceed (NTE) cost estimates
- g) Pre-proposal technical planning and contracting activities for modifications and task orders

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All tasks listed above apply to the System Task Order only.

6.4.4. Cost and Schedule Management

The Contractor shall:

- a) Maintain a *SBI*net Program Integrated Master Plan (IMP) (CDRL H011).
- b) Maintain a *SBI*net Integrated Master Schedule (IMS) (CDRL H010).
- c) Use the *SBI*net Program WBS (PWBS) to build the Contractor Work Breakdown Structure (CWBS) (CDRL H148).
- d) Conduct an Integrated Baseline Review (IBR) for the work required in this task order no later than 60 calendar days after definitization award. IBR Package will be provided in accordance CDRL H128.
- e) Maintain a current and accurate description of its *SBI*net EVMS policies and processes in the *SBI*net Integrated Performance Management Plan.
- f) Submit Contract Performance Reports (CPRs), Formats 1 through 5 (CDRL H052). The Government and Contractor shall have a review of the current CPR within 5 working days after Government receipt of the CDRL or a mutually agreed upon date. This review will have a target of one hour in duration and will include an agenda defined by the Government.
- g) Provide Contract Funds Status Reports (CFSR) (CDRL H112).

6.4.5. Program Security

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

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

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

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

6.4.7. Contracts Management and Administration

6.4.7.1. Contract Management and Integration

The Contractor shall provide integrated contract activities required to effectively integrate and coordinate interdependencies among task orders under the IDIQ contract in order to gain efficiencies and reduce duplication of effort across the program.

6.4.7.2. STO Contracts Administration

The Contractor shall designate a Contracts Administrator as the point of contact for contractual matters. The Contracts Administrator shall perform general contract administration support during the period of performance for and shall support

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program/management reviews. The Contracts Administrator shall issue and respond to contractual correspondence (incoming and outgoing letters) and submit any additional proposals and/or Engineering Change Proposals.

6.4.8. Task Order Preparation and Proposal Development

The Contractor shall, upon the Government Contracting Officer's direction, perform proposal preparation activities for the entire *SBlnet* program beginning with Basis of Estimate (BOE) preparation through contract award. This includes the formal preparation of any proposals, including ECPs.

6.5.0 Support for Special Studies, Analyses, and Outside Audit Activities

The Contractor shall support special studies, analyses, and outside audit activities as directed by the COTR or Government Contracting Officer. **(Unpriced)**

SCHEDULE

The STO IMS that will be baselined at IBR in August 2009 shall serve as the schedule for scope/effort contracted under the STO Extension.

Attachment 1, System Task Order Performance Work Statement

ACRONYMS

-A-

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

-B-

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

-C-

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

-D-

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

Attachment 1, System Task Order Performance Work Statement

-E-

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

-F-

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

-G-

GFP	Government Furnished Property
-----	-------------------------------

-H-

HFAR	Human Factors Engineering Assessment Report
HFE	Human Factors Engineering

-I-

IBR	Integrated Baseline Review
ICD	Interface Control Document
IDIQ	Indefinite Delivery Indefinite Quantity
ILS	Integrated Logistics Support
IMP	Integrated Master Plan
IMS	Integrated Master Schedule
IOT&E	Independent Operational Test and Evaluation
IT	Information Technology
ITEP	Integrated Test and Evaluation Plan
IV&V	Independent Validation and Verification
IWA	Inter-organizational Work Authorization

-JKL-

Attachment 1, System Task Order Performance Work Statement

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

-M-

M&S Modeling and Simulation

-N-

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

-O-

ORBBP Operational Requirements Based Budget Program
ORD Operational Requirements Document

-P-

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

-Q-

QA Quality Assurance
QAP Quality Assurance Plan

-R-

Attachment 1, System Task Order Performance Work Statement

RAMPART	Radar Advanced Measurement Program For Analysis of Reentry Techniques
RFP	Request for Proposal
RFQ	Request for Quotation
RMA	Reliability Maintainability Availability
RMS	Risk Management System
ROM	Rough Order of Magnitude

-S-

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

-T-

TEMP	Test and Evaluation Master Plan
TER	Test Event Report
TIM	Technical Interchange Meeting

Attachment 1, System Task Order Performance Work Statement

TIR Technology Insertion Request
TO Task Order
TRR Test Readiness Review

-U-

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

-V-

VICD Vendor Item Control Drawing
VSS Verification Summary Sheets

-W-

WASSPT Wide Area Surveillance Sensor Placement Tool
WBS Work Breakdown Structure

-XYZ-

None

Attachment 1, System Task Order Performance Work Statement

APPENDIX A. CONTRACT DATA REQUIREMENTS LIST (CDRL)

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

	CDRL No.	Title	SOW Paragraph	Data Item Description Number	Initial Delivery	Final or Frequency	Format
1	H010	Program Integrated Master Schedule	6.4.4.b	SBI-DID-0057	Continued from base period	15th of each month and 11 Days Prior to IBR	MS Project 2003 or newer
2	H011	Integrated Master Plan	6.4.4.a	SBI-DID-0015a	Definitization + 2 Weeks	11 Days Prior to IBR and as Required	MS Office
3	H018	System Requirements Review	5.1.0a 5.2.0a	SBI-DID-0032a	15 Days Prior to SRR	5 days after SRR	MS Office
4	H019	Preliminary Design Review Package	5.1.0b 5.2.0b	SBI-DID-0019a	15 Days Prior to PDR	5 days after PDR	MS Office
5	H020	Critical Design Review Package	5.1.0c 5.2.0c	SBI-DID-0020a	15 Days Prior to CDR	5 days after CDR	MS Office
6	H021	System Security Plan	5.6.1.e.2	SBI-DID-0049	30 days prior to ST&E (C&A Scans for TUS-1 and AJO-1)	As required	MS Office
7	H052	Contract Performance Reports	6.4.4.f	SBI-DID-0016a	N/A – Continued from base period	Monthly – by 22 nd of each month	MS Office
8	H056	Interface Control Documents	5.7.1	SBI-DID-0048	N/A – Continued from base period	As Required	MS Office
9	H112	Contract Funds Status Reports	6.4.4.g	SBI-DID-0041	N/A – Continued from base period	Quarterly	MS Office
10	H126	IT Contingency Plan	5.6.1.e.3	SBI-DID-0043	30 days prior to ST&E (C&A Scans for TUS-1 and AJO-1)	As Required	MS Office
11	H127	IT Security Risk Assessment	5.6.1.e.1	SBI-DID-0044	30 days prior to ST&E (C&A Scans for TUS-1 and AJO-1)	As Required	MS Office

Attachment 1, System Task Order Performance Work Statement

	CDRL No.	Title	SOW Paragraph	Data Item Description Number	Initial Delivery	Final or Frequency	Format
12	H128	Integrated Baseline Review Package	6.4.4.d	SBI-DID-0045a	11 Days prior to IBR for Extension Period	N/A	MS Office, MS Project
13	H132	Data Accession List	6.4.2b	DI-MGMT-81453A	N/A – Continued from base period	Update every 60 days	MS Office
14	H140	B-Specifications Document	5.7.1	SBI-DID-0054a	N/A – Continued from base period	As Required	MS Office
15	H141	A-Specifications Document	5.7.1	SBI-DID-0055a	N/A – Continued from base period	As Required	MS Office
16	H144	Test Readiness Review Package	3.1.2.1a 5.1.0d	SBI-DID-0072a	15 Days Prior to TRR	15 days after TRR	MS Office
17	H146	System Design Document	4.2.0	SBI-DID-0073	120 Days Prior to ADE-3 or end of period of performance, which ever occurs first	Update Annually	MS Office
18	H147	Technology Insertion Request (TIR)	4.2.0	SBI-DID-0074	New Items - at CDR (beginning with CAG and ECP items after 5/28/09)	Update quarterly	MS Office
19	H148	Contractor Work Breakdown Structure	6.4.4.c	SBI-DID-0075	Extension ATP + 60 Days	As Required	MS Office
20	H149	Risk Management Plan	6.2.1a	SBI-DID-0076	Extension ATP + 60 days	N/A	MS Office
21	H151	Configuration Management Plan	6.4.2a	SBI-DID-0078	Extension ATP + 60 days	N/A	MS Office
22	H153	DOORS Database	5.7.1g	SBI-DID-0079	Extension ATP + 30 Days	End of calendar year quarters starting in June 09	DOORS 8.1 or newer (.dpa format)
23	H154	Modeling and Simulation Verification and Validation Plan	5.7.6	SBI-DID-0080	Extension ATP + 90 Days	N/A	MS Office
24	H155	Modeling and Simulation Verification and Validation Report	5.7.6	SBI-DID-0081	Extension ATP + 120 Days	N/A	MS Office

DATA ITEM DESCRIPTION		
1. TITLE Modeling and Simulation Verification and Validation Report		2. IDENTIFICATION NUMBER SBI-DID-0081
3. DESCRIPTION/PURPOSE This Data Item Description contains the content and format preparation instructions for documenting M&S verification and validation (V&V) reporting for model(s), simulation(s), federations of models and simulations, and other types of distributed simulations, which are described in MIL-STD-3022, Documentation of Verification, Validation, and Accreditation (VV&A) for Models and Simulations.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Program Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES MIL-STD-3022 (A, 28-JAN-2008), CDRL H155	
10. PREPARATION INSTRUCTIONS <u>Format and Content</u> The content of the Verification and Validation (V&V) Report shall be in accordance with MIL-STD-3022, Appendix C. In the following sections, it is especially critical that M&S component and M&S system level analyses are described clearly: <ul style="list-style-type: none"> - Implementation Verification Task Analysis (C.9.4 in MIL-STD-3022) - Results Validation Task Analysis (C.9.5 in MIL-STD-3022) 		
11. FORMAT/SUBMISSION: Unless otherwise noted, the data products shall be in contractor's format and provided in electronic media.		



**Customs and Border Protection
Office of Information and Technology
Enterprise Architecture**

***SBinet*
Technology Insertion Request**

[Type of Technology]

[Evaluation Date]

Prepared by:

**[Your name]
[Group]**

OFFICIAL USE ONLY

Public availability to be determined by 5 U.S.C. 552.

[The TIR sections have been laid out with explanations and leading questions to aid in addressing the issues that each section is intended to cover. These explanations are outlined in blue font color and are encased in square brackets ([]). As the document is completed, the explanations and leading questions can be deleted. Paragraphs not in square brackets contain text that can be considered standard narrative that can apply to all TI Requests, or text that is specific to this TI Request. You may leave these as they are, modify them, or remove them.]

1. Background

[Provide some background as to why this type of technology is needed. This section is a functional background, and thus should deal primarily with the business need. It should not get too deep into the technology, except to briefly introduce it and how it relates to the business requirement.]

<p>[1a. What business need exists that cannot be satisfied by current technologies as defined in the TRM? (Note the TRM repository can be provided as requested)]</p> <p>SBinet has a significant need for a technology that can [Describe need].</p> <p>The CBP TRM currently does not have a technology that fills this need.</p>
<p>[1b. What operational factors (processes, business drivers, new procedures, procedural deficiencies, etc.) brought about this need or the recognition of the need?]</p>
<p>[1c. Is this directly related to SBinet? If so, how does the business need relate to the purpose and scope of the project?]</p>
<p>[1d. What type of technology is necessary to meet this need?]</p> <p>SBinet requires a [Type of Technology] that can provide the capabilities of [List capabilities].</p>
<p>[1e. How is the business need currently being met?]</p> <p>The business need for this technology is currently being met through [Explain how this need is currently being met, even if it is a non-IT solution such as Post-It notes on your monitor.]</p>
<p>[1f. What Certification and Accreditation (C&A) package(s) will this technology impact?]</p> <p>The following C&A package(s) are associated with this technology:</p> <ul style="list-style-type: none">• Package 1• (Package 2-n)

2. Long Term, Strategic Direction

[Explain how the business need supports the CBP Strategic Plan.]

[2a. Is this business need related to an initiative at the CBP or DHS level? If so, what is the goal of that initiative and how will this technology help move towards that goal?]

[2b. Do the goals or objectives related to this business need contribute to the desired end-state of a larger IT project?]

[2c. Did the business need originate to assure compliance with government-wide mandates or initiatives (e.g., the Government Paperwork Elimination Act, Section 508 compliance, or the Clinger-Cohen Act)?]

3. Industry/Market Analysis

[This is where the actual technology is introduced and explained in detail, along with the individual technologies that will be compared in this document. A brief introduction of the technologies, and why they were included in the analysis, should be included here.]

[3a. How will this technology satisfy the business need as identified above?]

[3b. How will this technology be implemented and used to address the business requirements?]

The technology will be used by [identify user community] to [describe the goal this technology is striving to achieve; e.g. 'ensure written communications between CBP and Spanish speaking countries are accurate and of the highest quality']. The technology will be deployed on [provide number and type of machines] located on [provide number of offices, or list individual offices] across CBP.

[3c. What criteria was used to determine thresholds for inclusion in the study?]

[3d. List the technologies that were selected for evaluation (Provides at least three technologies alternatives). Provide information about each technology, and the reason the technology was included in this TI Request.]

4. Evaluated Technologies

The following technologies were identified as technology candidates that can fulfill the business need described in this Technology Request:

4.1 Product Description #1	
4.1a. Product:	
4.1b. Version:	
4.1c. Vendor:	
4.1d. URL:	
4.1e. Platform:	
4.1f. Price:	
4.1g. Description:	

4.2 Product Description #2	
4.2a. Product:	
4.2b. Version:	
4.2c. Vendor:	
4.2d. URL:	
4.2e. Platform:	
4.2f. Price:	
4.2g. Description:	

4.3 Product Description #3	
4.3a. Product:	
4.3b. Version:	
4.3c. Vendor:	
4.3d. URL:	
4.3e. Platform:	
4.3f. Price:	
4.3g. Description:	

5. Results/Findings

In comparing technologies, Customs and Border Protection (CBP) needs to establish an impartial methodology for presenting evaluation criteria. The following evaluation criteria were considered, but are not necessarily presented in the order of their importance: Functionality, Total Cost of Ownership (TCO), Performance, Scalability, Architectural Compliance, Integration/Interoperability, Security, Vendor Support, and Reliability, Maintenance, Availability (RMA). The criteria follow the guidelines set by the CIO's IT Enterprise Principles.

Each product should be scored on a scale of 1-3, as detailed in the following legend:

Score	Explanation
3	Product meets or exceeds the criterion and provides significant useful capabilities beyond the base criterion.
2	Product generally satisfies the criterion. Gaps can be readily filled with either development or non-developmental items (e.g., add-on components). The product may lack key functional features, which will be included or planned for future releases.
1	Product fails to satisfy the criterion. There are no known plans from the vendor to include key functional features in future releases.
N/A	Criterion does not apply to this product.

Each of the following sub-sections provides a scoring matrix associated with each criterion. The matrix should be completed to indicate how each product meets the line items that contribute to the criteria on a scale of 1-3. Use the criteria guiding questions in each sub-section to help you assign scores. If there are other factors for a particular criterion that are not listed as line items, but would logically apply to this particular type of product, use the blank lines in the appropriate matrix to include them.

The narrative text following each matrix should detail how the products under consideration address the various evaluation criteria. Be sure to include details about each product under consideration. If a particular sub-section does not apply, please state so.

In Section 6, the sub-section scores should be entered into the Final Evaluation Matrix. This matrix will automatically calculate the weighted score for each product.

5.1. Functionality

Functionality Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.1.1 Functional Requirements			
5.1.1.1 [Functional Requirement 1]			
5.1.1.2 [Functional Requirement 2]			
5.1.1.3 [Functional Requirement 3]			
5.1.2 Business Process Functionality			
5.1.3 Business Rules Support			
5.1.4 Reporting/Querying Capabilities			
5.1.5 Ease of Use			
5.1.6 User Interface			
5.1.7 Navigation			
5.1 Functionality Score	0.0	0.0	0.0

[5.1a. Criteria Guiding Questions:

- 5.1.1 How does the product satisfy the functionality requested? List your functional requirements, and then grade each product in its ability to satisfy those requirements.
- 5.1.2 Does it provide the required business process functionality?
- 5.1.3 Does it support the necessary business rules?
- 5.1.4 What sort of reporting and querying is supported, if applicable?
- 5.1.5 Is the product intuitive and easy-to-use?
- 5.1.6 Does the user interface provide easy access to the desired features?
- 5.1.7 Is the program easy to navigate (e.g., are the menu options clear in their meaning)?]

[5.1b. Provide narrative text here.]

5.2. Total Cost of Ownership (TCO)

TCO Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.2.1 Purchase/Upgrade			
5.2.2 Installation/Integration			
5.2.3 Licensing			
5.2.4 Customization/Configuration			
5.2.5 Maintenance/Service/Support			
5.2.6 Training			
5.2.7 Supporting Technologies			
5.2.8 Hardware Costs			
5.2.9 Network Costs			
Subtotal	0.0	0.0	0.0
Additional Scoring (see below)	10	10	10
5.2 TCO Score	10.0	10.0	10.0

[5.2a. Criteria Guiding Questions:

5.2.1 Include all costs associated with the product from inception to retirement. This should include, as applicable, installation/integration costs, network costs, licensing costs, any costs associated with customization or configuration, cost of maintenance/service/support agreements, costs for purchase and upgrade, hardware costs, training costs, or the need to purchase other applications/platforms/etc. to support this product. Approximate costs should be included in the narrative paragraphs, if known.]

[Additional scoring points are awarded as follows:

- Highest Score: 30 points
- Middle Score: 20 points
- Lowest Score: 10 points]

[5.2b. Provide narrative text here.]

5.3. Performance

Performance Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.3.1 Product Performance			
5.3.2 Processor/Resource Management			
5.3.3 System Requirements			
5.3.4 Supports Sharing/Reusability			
5.3.5 Availability of Performance Tests/Results			
5.3 Performance Score	0.0	0.0	0.0

[5.3a. Criteria Guiding Questions:

- 5.3.1 How does the product perform?
- 5.3.2 Does it consume excess system resources (e.g., are there known issues related to memory leaks or excessive demands on the CPU)?
- 5.3.3 What are the system requirements (minimum/recommended)?
- 5.3.4 Does it support sharing/reusability?
- 5.3.5 Are there performance benchmarks/tests and results available from the vendor or an independent source (if so, detail source and findings)?]

[5.3b. Provide narrative text here.]

5.4. Scalability

Requirement	[Product 1]	[Product 2]	[Product 3]
5.4.1 Ability to meet increased user base			
5.4.2 Ability to meet increased processing demands			
5.4.3 Ability to modify/extend to meet increased demands			
5.4 Scalability Score	0.0	0.0	0.0

[5.4a. Criteria Guiding Questions:

5.4.1 Does the product offer the flexibility to grow with CBP?

5.4.2 Will it continue to support the business need as the number of users or processing demand grows, without unacceptable degradation of performance?

5.4.3 If it reaches its out-of-the-box limit, is it modifiable/extensible to allow it to take on additional capacity?

CBP solutions must be robust, scalable and adaptable to meet changing user requirements and demands.]

[5.4b. Provide narrative text here.]

5.5. Architectural Compliance

Requirement	[Product 1]	[Product 2]	[Product 3]
5.5.1 Consistent with EA			
5.5.2 Standards Compliance			
5.5.3 Coexists with Other Products			
5.5.4 Offers Unique Capabilities			
5.5.5 Applicable Regulations			
5.5.6 SOA Compliance			
5.5 Architectural Compliance Score	0.0	0.0	0.0

[5.5a. Criteria Guiding Questions:

- 5.5.1 Is the product consistent with the existing technologies and future direction of the architecture?
- 5.5.2 Does it comply with existing standards as set forth in the TRM?
- 5.5.3 Can it coexist with other products in the architecture (e.g., does not cause conflicts with existing products)?
- 5.5.4 Does it bring unique capabilities to the architecture (e.g., does not duplicate the functionality of another product already in the architecture)?
- 5.5.5 Does it comply with applicable regulations (Section 508, FIPS 140-2, etc.)?
- 5.5.6 Does it support an enterprise Service Oriented Architecture (SOA)?

Some of these areas – particularly coexistence with other products – will be vetted as part of the Integration Lab testing. Determine and document, to the best of your ability, any obvious issues that can be observed outside of the testing lab.]

[5.5b. Provide narrative text here.]

5.6. Integration/Interoperability

Integration/Interoperability Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.6.1 Integration with Other Programs			
5.6.2 Interface with Other Programs			
5.6.3 Hardware/Software Platform Integration			
5.6.4 Data Input/Output Formats			
5.6.5 Database Integration			
5.6 Integration/Interoperability Score	0.0	0.0	0.0

[5.6a. Criteria Guiding Questions:

- 5.6.1 Does the program integrate with other products in the environment?
- 5.6.2 Does it interface with any other programs in the architecture?
- 5.6.3 Will it integrate seamlessly with both the hardware and software platforms in use (e.g., server platforms, operating systems, programming languages)?
- 5.6.4 Do data input/output formats comply with other products in use in the architecture?
- 5.6.5 Does it support approved database platforms, if applicable?

Integration compliance will be vetted as part of the Integration Lab testing, and may not be evident at the time of writing this document. As with Architectural Compliance, the requestor should document any obvious issues resulting from his/her research and evaluation.]

[5.6b. Provide narrative text here.]

5.7. Security

Security Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.7.1 Security Model			
5.7.2 Authorization/Authentication			
5.7.3 Absence of Vulnerability Concerns			
5.7.4 Discretionary Access Controls			
5.7.5 Auditing			
5.7 Security Score	0.0	0.0	0.0

[5.7a. Criteria Guiding Questions:

- 5.7.1 Does the product include a comprehensive security model?
- 5.7.2 Does it provide authorization/authentication, or will it utilize existing network/workstation security mechanisms (LDAP)?
- 5.7.3 Are there any concerns that the product may introduce vulnerabilities to the existing security infrastructure?
- 5.7.4 Does the product provide Discretionary Access Controls?
- 5.7.5 Does the product provide auditing capabilities?

Security compliance and vulnerabilities will be vetted as part of the Integration Lab testing and STP review of the product, and may not be evident at the time of writing this document. As with Architectural Compliance and Integration/Interoperability, the requestor should document any obvious issues resulting from his/her research and evaluation.]

[5.7b. Provide narrative text here.]

5.8. Section 508 Compliance

Please refer to the document titled "Attachment.Section508Standards.8.21.07.doc" for Section 508 standards.

Vendor Support Criteria Matrix			
Requirement	[Product 1]	[Product 2]	[Product 3]
5.8.1 Vendor Product Testing			
5.8.2 Government Product Testing			
5.8.3 Vendor VPAT			
5.8.4 Section 508 Exceptions			
5.8 Vendor Support Score	0.0	0.0	0.0

[5.8a. Criteria Guiding Questions

- 5.8.1 Has the product been tested for 508 compliance by the vendor? (If so, attach results)
- 5.8.2 Has the product been tested for 508 compliance by the government? (If so, attach results)
- 5.8.3 Does the vendor provide a Voluntary Product Accessibility Template (VPAT) (If so, attach documentation)
- 5.8.4 Have any Section 508 exceptions been claimed? If exceptions have been claimed, has the Section 508 Coordinator or DHS Office on Accessible Systems and Technologies (OAST) approved the exception? (Attach all documentation.)

5.9. Vendor Support

Requirement	[Product 1]	[Product 2]	[Product 3]
5.9.1 Vendor's Experience			
5.9.2 Market Share/Presence			
5.9.3 Service/Support Availability			
5.9.4 Training Availability			
5.9.5 Financial Stability			
5.9.6 Product History			
5.9.7 Industry Relationships			
5.9.8 Prior CBP Experience with Vendor			
5.9.9 References/Testimonials			
5.9 Vendor Support Score	0.0	0.0	0.0

[5.9a. Criteria Guiding Questions:

- 5.9.1 What is the extent of the vendor's experience in this arena?
- 5.9.2 Do they have a considerable market share, are they a leader in the market?
- 5.9.3 What is the availability of service and support?
- 5.9.4 What is the availability of training?
- 5.9.5 Is the company financially stable?
- 5.9.6 Have they been supporting this product for a considerable time, or did they recently purchase/acquire it from another company?
- 5.9.7 Does the vendor have good relationships with other vendors of interest to CBP?
- 5.9.8 Has CBP had prior experience with this vendor?
- 5.9.9 Are references/testimonials available?]

[5.9b. Provide narrative text here.]

5.10. Reliability, Maintenance, Availability (RMA)

Requirement	[Product 1]	[Product 2]	[Product 3]
5.10.1 Reliability			
5.10.2 Application Availability			
5.10.3 Source Code Availability			
5.10.4 Maintenance			
5.10.5 Supports "0" Downtime			
5.10.6 OIT Support Availability			
5.10 RMA Score	0.0	0.0	0.0

[5.10a. Criteria Guiding Questions:

- 5.10.1 Is the product reliable?
- 5.10.2 Does the product offer availability as required (e.g., minimal down-time)?
- 5.10.3 Is the source code available, if applicable?
- 5.10.4 Are there any special considerations related to maintaining the product in a production environment (e.g., back up and restore, database administration, user accounts maintenance)?
- 5.10.5 Does the product support 24x7x365 operation – with no downtime?]
- 5.10.6 Is OIT able to support this product?
- 5.10.7 Will this technology continue to be supported by the vendor for the foreseeable future?

[5.10b. Provide narrative text here.]

6. Conclusions

The following matrix displays the results of the evaluation and comparison presented in Section 5 of this document. The individual scores should represent the result of the individual scoring conducted in sections 5.1 through 5.10.

[6a Include in the matrix below the results from Section 5. The raw scores should come from the final score of the individual matrices, with the weighted scores being an extrapolation based on the weighting factors in column two (the calculation is made automatically). The weighting factors are pre-set according to common architectural priorities. These factors can be adjusted as appropriate based on business need and environmental factors for this technology. The total of the weight factor column should equal 100%, and any excessively high or low weights should be explained.]

Final Evaluation Matrix							
Evaluation Criteria	Weight Factor	[Product 1]		[Product 2]		[Product 3]	
		Raw	Weight	Raw	Weight	Raw	Weight
5.1 Functionality	50	0.0	0.0	0.0	0.0	0.0	0.0
5.2 Total Cost of Ownership (TCO)	10	0.0	0.0	0.0	0.0	0.0	0.0
5.3 Performance	5	0.0	0.0	0.0	0.0	0.0	0.0
5.4 Scalability	5	0.0	0.0	0.0	0.0	0.0	0.0
5.5 Architectural Compliance	5	0.0	0.0	0.0	0.0	0.0	0.0
5.6 Integration/Interoperability	5	0.0	0.0	0.0	0.0	0.0	0.0
5.7 Security	5	0.0	0.0	0.0	0.0	0.0	0.0
5.8 Section 508 Compliance	5	0.0	0.0	0.0	0.0	0.0	0.0
5.9 Vendor Support	5	0.0	0.0	0.0	0.0	0.0	0.0
5.10 RMA	5	0.0	0.0	0.0	0.0	0.0	0.0
	100%						
6.0 Total Score			0.0		0.0		0.0

[6b. Include here any additional comments related to the comparison of the products. Special considerations, caveats, etc.]

7. Recommendation

[7a. Based on the above findings provide which product is recommended for selection. Provide any additional text that in your opinion would help the Technology Review Committee (TRC) support your recommendation.]

DATA ITEM DESCRIPTION

Title: DATA ACCESSION LIST (DAL)

Number: DI-MGMT-81453A

Approved Date: 20070927

AMSC Number: F9020

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: 11 (ASC/ENS)

Applicable Forms: N/A

Use/Relationship: The purpose of the Data Accession List (DAL) is to provide a medium for identifying contractor internal data which has been generated by the contractor in compliance with the work effort described in the Statement of Work (SOW). The DAL is an index of the generated data that is made available upon request.

- a. This data item is not a substitute for standard data requirements that are contractually applied.
- b. This DID contains the format, content, and intended use information for the data deliverable resulting from the work task described in the solicitation.
- c. This DID supersedes DI-MGMT-81453.

Requirements:

1. Referenced Document. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as cited in the contract.
2. Format. The Data Accession List shall be in the contractor's format.
3. Content. The DAL shall specify internally generated data and computer software used by the contractor to develop, test, and manage the program. The format and content of the data listed on the DAL shall be as prepared by the contractor to document compliance with the SOW Task requirements.
 - 3.1. The list shall include the identification number, title which shall describe content, security classification, and in-house release date.
 - 3.2. The list shall also identify the Government Rights to the data using the following codes:
 - "GPR" – Government Purpose Rights
 - "UR" = Unlimited Rights
 - "LR" = Limited Rights
 - "RR" = Restricted Rights (Computer Software only)

4. End of DI-MGMT-81453A.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

DATA ITEM DESCRIPTION

1. TITLE Integrated Master Plan (IMP)		2. IDENTIFICATION NUMBER SBI-DID-0015a	
3. DESCRIPTION/PURPOSE The Integrated Master Plan (IMP) is a business tool used to provide a systematic approach to program planning, scheduling, management, and execution. It represents the single consolidated plan for all responsible functions for the total program. The IMP is an event-based consisting of a hierarchy of program events (PEs), with each event being supported by significant accomplishments (SAs), and each accomplishment supported by accomplishment criteria (ACs).			
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Business Operations	6. DTC APPLICABLE	
7. APPLICATION/INTERRELATIONSHIP The IMP shall provide sufficient definition to allow for the tracking of the completion of required accomplishments for each event, and to demonstrate satisfaction of the completion criteria for each accomplishment. It includes all elements associated with the development, production, and delivery of the total program high level plan. The Integrated Master Schedule (IMS) flows directly from the IMP, and supplements it with more detailed lower level tasks, durations, predecessors, successors, and constraints to clearly show the sequence of steps required to satisfy the criterion. All of the IMP's PEs, SAs, and ACs are duplicated in the IMS. All elements in the IMS are fully traceable to events described in the IMP.			
8. APPROVAL LIMITATION		9. REFERENCES CDRL H011 (STO) CDRL E011 (DTO)	
10. PREPARATION INSTRUCTIONS The IMP shall be traceable to the program's contracts, Contract Work Breakdown Structure (CWBS), Statement of Works (SOWs), Earned Value Management Systems (EVMS), and Risk Management System. The development of the IMP shall be in accordance with the government and contractor's program and scheduling management processes and procedures. For additional guidance in developing the IMP, the contractor shall reference the latest versions of the DOD "Integrated Master Plan and Integrated Master Schedule Preparation and Use Guide" the SBInet Program Management Office (PMO) Scheduling Standards, the Department of Homeland Security (DHS) System Life Cycle (SLC) Handbook, and the SBInet Lifecycle (Tailored) as depicted in the SBInet System Engineering Plan (SEP). The IMP PEs, SAs, and ACs provide the logical roadmap and sequential flow necessary to manage the entire program. Their definitions are as follows: <p style="margin-left: 40px;"><u>Program Events (PEs).</u> PEs represent significant progress decision points that relate system maturity with continued system development. PEs are distributed throughout the contract period and define specific SBInet control gates and milestones outlined in the SBInet SEP.</p> <p style="margin-left: 40px;"><u>Significant Accomplishments (SAs).</u> SAs represent the closure (i.e., accomplishment) of sequenced interim and critical activities that must be completed as entry-level or exit-level constraints for the completion of a PE. They provide a logical path toward product completion. Completion demonstrates that the appropriate closure criteria were achieved and products are ready to be used as building blocks for</p>			

subsequent activities. SAs define interim and final steps on the path to define, design, develop, produce, integrate, test, and verify the product or system in support of the SOWs and other contractual documentation. SAs are organized around the product and event to be supported. Closure of all SAs is a requirement for passage of the event to which they belong.

Accomplishment Criteria (ACs). ACs are definitive measures that are used to judge the completion of each SA and demonstrate results. When all of the ACs that defines an SA are met, then the SA is satisfactorily completed. ACs are used to highlight specific areas of the work effort collected into sets. These sets make management and management control-tool products (for example, technical parameter tracking, risk monitoring, and critical process or incremental product verification) more effective to monitor and control.

FORMAT/SUBMISSION: The IMP shall be created using Microsoft Excel. It shall be in the hierarchical format described above, and align with the program's WBS and SOWs. In addition, the IMP shall include element descriptions, IMP activity number, Integrated Product Teams (IPTs) reference, and Task Order reference. The IMP shall be submitted in accordance with the System Task Order (STO) SOW. Upon Government acceptance of the IMP at the Integrated Baseline Review (IBR), the updated version of the IMP shall be placed under version control, and any changes made to the IMP baseline, including updates from other task order awards shall be approved by the SBInet Joint Change Control Board (JCCB).

DATA ITEM DESCRIPTION		
1. TITLE Contract Performance Report (CPR)	2. IDENTIFICATION NUMBER SBI-DID-0016a	
3. DESCRIPTION/PURPOSE The Contract Performance Report (CPR) provides summary level data used to assess current, cumulative, and projected contract performance. It should accurately reflect the work plan contractually authorized, work accomplished, and actual cost of work performed. It is used to facilitate informed, timely decisions internally and by the customer. <ol style="list-style-type: none"> 1. The reporting level for the Format 1 report shall be at level four of the WBS. Lower levels may be required for CWBS elements at level 5 that are greater than 20% of the total Performance Measurement Baseline (PMB) budget. 2. The initial submission is due no later than (NLT) 15 working days after the end of the contractor's second accounting period after contract award. Subsequent submissions of Format 1-4 are due the 22nd of every month. If the 22nd falls on a holiday or weekend, the CPR shall be submitted on the next business day. The January submittal will be submitted on January 25th due the year end accounting close process. 3. All data being provided by the contractor shall be delivered in Electronic format as defined in the data item description DI-MGMT-81466 and formats 1-4 in MS Excel. Format 5 in MS Word and Format 1-4 in XML format. 4. For each task order, Format 5 Variance analysis shall be provided in MS Word. For each WBS element in Format 1 who's current, cumulative cost and/or schedule variances and variance at completion (VAC) exceeding \$100K and +/- 10% will be explained in Format 5. 		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Business Operations	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION	9. REFERENCES DI-MGMT-81466 dated March 30, 2005	
10. PREPARATION INSTRUCTIONS CONTENT: The CPR will have 5 formats and shall be prepared in accordance with Data Item Description (DID) DI-MGMT-81466 dated March 30, 2005. <ul style="list-style-type: none"> • Format 1 – Provides a summary of cost and schedule performance by the product oriented Work Breakdown Structure (WBS). • Format 2 – Provides a summary of cost and schedule performance by organizational category • Format 3 – Provides the budget baseline plan against which performance is measured and reflects baseline changes since the previous submittal. • Format 4 – Provides staffing forecasts. • Format 5 – Provides a narrative report used to explain overall program status, significant cost and schedule variances and analysis. Management Reserve (MR) and Undistributed Budget (UB) 		

status is also reported with explanation.

All 5 formats shall be prepared for Task Order(s) with a total value greater than \$50M and that are cost type and/or incentive type task orders. For task order(s) greater than \$20M but less than \$50M, only formats 1 and 5 shall be prepared, unless specified otherwise by the customer during task order execution. CPR's are not required for fixed priced task orders, unless specified otherwise in the contract.

DATA ITEM DESCRIPTION		
1. TITLE Preliminary Design Review (PDR) Package	2. IDENTIFICATION NUMBER SBI-DID-0019a	
3. DESCRIPTION/PURPOSE The PDR is held to establish the initial Block allocated baseline as captured in specifications. It is used to assess progress of the design, component testing, and impact on sustainability. At the conclusion of the PDR, the first cut at the full allocation of system level requirements to subsystems is agreed to by the SPO. All external interfaces are identified, and data flows into and out of the <i>SBI</i> net system have been described. This deliverable shall consist of both a read-ahead package and the final presentation package.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES H019	
10. PREPARATION INSTRUCTIONS CONTENT: Both the read-ahead package and the final presentation package shall contain the following items to support the successful completion of an <i>SBI</i> net PDR. Entrance Criteria: <ul style="list-style-type: none"> a. PDR entrance/exit criteria and checklist (readiness to proceed to be assessed by SPO) b. SRR successfully conducted and all action items closed c. Requirements flowed down to B-Level Specifications and lower-level specs. d. Suppliers identified and documented e. System internal and external interfaces defined and documented in interface documentation. f. Major trade studies complete g. Integrated Master Plan (IMP) and resource-loaded Integrated Master Schedule (IMS) h. Requirement Traceability i. Program risks updated Work Products to be Reviewed (Party responsible for Providing): <ul style="list-style-type: none"> j. <i>SBI</i>net Requirements Database extract (Excel format) showing traceability of A-Level Specifications to approved B level specification (Prime Contractor). k. Final System A-Level Specifications (Prime Contractor) l. Complete System B-Level Specifications (Prime Contractor) m. Functional and performance allocations of requirements to systems and subsystems (Prime Contractor) n. Draft design documents defining/updating: (Prime Contractor) o. Results of Specialty Engineering Analyses (logistics, reliability, HMI, PMP, etc.) 		

(Prime Contractor)

- p. Technical Performance Measure (TPM) Data and Analyses (Prime Contractor) per tool output.
- q. Draft Data Management Plan (Prime Contractor)
- r. Draft Security Plan (Prime Contractor)
- s. Component performance data as available (Prime Contractor)
- t. Draft Level Interface Description Documents (IDD) (Prime Contractor)
- u. Draft Level Interface Control Documents (ICD) (Prime Contractor)
- v. Design Alternatives - Results from key architecture trade studies (Prime Contractor)
- w. Architecture Description: Updated views from SRR plus OV2 and SV11. (Prime Contractor)
- x. Updated risks and mitigation plans (SPO / Prime Contractor) per BORIS
- y. Updated Verification and Validation Plan (Prime Contractor)
- z. Draft VV Plan for Modeling and Simulation (M&S) activities (Prime Contractor)
- aa. Draft Test Plan (Prime Contractor)
- bb. Draft Life-Cycle Cost Plan (Prime Contractor)

FORMAT FOR SUBMISSION: The PDR package shall be in the contractor's format, provided in electronic media.

DATA ITEM DESCRIPTION		
1. TITLE System/Component Level Critical Design Review (CDR) Package	2. IDENTIFICATION NUMBER SBI-DID-0020a	
3. DESCRIPTION/PURPOSE The System/Component CDR package will contain the architecture implementation for the requirements. This package will include inputs to address the following areas: Systems Engineering, Design Engineering, Configuration Management, Quality Assurance, and Test and Evaluation, to ensure that a comprehensive architecture has been defined. This deliverable shall consist of both a read-ahead package and the final presentation package.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES H020	
10. PREPARATION INSTRUCTIONS CONTENT: The package shall contain the following items to support the successful completion of a SBI <i>net</i> Critical Design Review. The review emphasis will be to ensure a common understanding of the architecture. <ul style="list-style-type: none"> a. CDR entrance / exit criteria and checklist b. PDR successfully conducted and all action items closed. e. SBI<i>net</i> Requirements Database extract (excel format) showing traceability of the A-specification to the B-specification and lower-level specifications and drawings. d. A-Level Specification e. B-2 specifications baselined f. IDD's Baselined g. ICD's Baselined and Interface Requirement Specification h. Final Architecture Description Document baselined i. System performance studies complete (M&S analyses) j. Key trade study results k. Updated risks and mitigation plans l. Final Verification and Validation Plan m. Life Cycle Cost Estimate n. Block Design Complete and compliant with specification requirements FORMAT FOR SUBMISSION: The CDR package shall be in the contractor's format and provided in electronic media.		

DATA ITEM DESCRIPTION		
1. TITLE System Requirements Review (SRR) package	2. IDENTIFICATION NUMBER SBI-DID-0032a	
3. DESCRIPTION/PURPOSE The SRR is held to confirm agreement on the set of requirements that will fulfill the capabilities defined in the ORD and project specifications. The SPO conducts an SRR to ensure that the capabilities, requirements and high-level architecture are understood by all parties. The review is held after the A-Spec (system) or B-Spec (segment/component) has been developed for the Block, and functional allocation to the system segments (subsystems) has begun. The SRR is the formal gating activity that approves the block A-spec and architecture or in the case of components the B-Spec. This deliverable shall consist of both a read-ahead package and the final presentation package.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H018	
10. PREPARATION INSTRUCTIONS CONTENT: Both the read-ahead package and the final presentation package shall contain the following items to support the successful completion of a <i>SBI_{net}</i> SRR. <u>Entrance Criteria:</u> <ul style="list-style-type: none"> a. SRR entrance/exit criteria and checklist (readiness to proceed to be assessed by SPO) b. Block A-spec hardware and software requirements well stated and complete. For B-spec, show flow down and applicability. c. Functional configuration in place d. Subcontractors and suppliers identified e. Boeing team organization identified f. Specialty Engineering and Logistics requirements identified g. Program top-level risks identified h. Tier II IMS in place i. Requirements traceability matrix j. Acceptance Plan complete k. Draft Architecture Description Document to include capabilities being added: AV1, 2; OV1, 3-7; SV1-6, 10c; TV1. <u>Work Products to be Reviewed (Party Responsible for Providing):</u> <ul style="list-style-type: none"> 1. System A-level Specification (SPO – Lead / Prime Contractor) 2. Architecture Description Document 		

3. Updates to SDD
4. Feasibility Analysis (results of technology assessments and trade studies to justify requirements) (Prime Contractor)
5. Draft Verification and Validation Plan (Prime Contractor)
6. Draft System Maintenance Concept / Life-Cycle Philosophy (Prime Contractor)
7. Significant System Design Criteria (specialty engineering) (Prime Contractor)
8. Draft B-level Specifications (Prime Contractor)
9. System Level Technical Performance Measurements (Prime Contractor)
10. SBI*net* Requirements Database Extract showing requirements traceability of the operational requirements and the system-specific technical requirements (Prime Contractor: A-spec down to lower-level specs.)
11. Definition of environmental requirements
12. Interface Control Plan (ICP) (Prime Contractor)
13. Risks identified with mitigation plans (SPO / Prime Contractor)
14. Updates to Configuration Management Plan (CMP) (Prime Contractor)
15. Draft System Security Plan (Prime Contractor)

FORMAT FOR SUBMISSION: The SRR package shall be in the Contractor's format, provided in electronic media.

DATA ITEM DESCRIPTION		
1. TITLE Contract Funds Status Report	2. IDENTIFICATION NUMBER SBI-DID-0041	
3. The CFSR is required of Boeing and all major/critical suppliers quarterly. It is designed to supply funding data for: <ul style="list-style-type: none"> A. Updating and forecasting contract funds requirements. B. Planning and decision-making on funding changes in contracts. C. Developing funding requirements and budget estimates in support of approved programs. D. Determining funds in excess of contract needs and available for de-obligation. E. Obtaining rough estimates of termination costs. <i>Non-major/non-critical suppliers do not have a CFSR requirement.</i>		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Business Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H112, DI-MGMT-81468	
10. PREPARATION INSTRUCTIONS CONTENT: Per DI-MGMT-81468.		

DATA ITEM DESCRIPTION

1. TITLE Information Technology (IT) Contingency Plan	2. IDENTIFICATION NUMBER SBI-DID-043	
3. DESCRIPTION/PURPOSE <p>The SBI<i>net</i> IT Contingency Plan documents the management policy and procedures designed to maintain or restore SBI<i>net</i> operations, including computer operations, possibly at an alternate location, in the event of emergencies, system failures, or disaster. The IT Contingency Plan describes the procedures necessary to ensure the availability of critical IT support under all circumstances.</p> <p>The specific control requirements and level of effort are determined based on the SBI<i>net</i>'s security categorization. The current security categorization of SBI<i>net</i> has been determined to be moderate, but may change in the future.</p>		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Design and Integration	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION	9. REFERENCES CDRL H126	
10. PREPARATION INSTRUCTIONS CONTENT: <p>The SBI<i>net</i> IT Contingency Plan documents how the following availability objectives will be met:</p> <ul style="list-style-type: none"> • Continuous availability of the critical IT systems that support DHS essential office functions during an emergency • Protection of IT assets and vital records needed to support mission needs • Reduction or mitigation of disruptions to operations • Reduction of loss of life, minimizing damage and losses • Timely and orderly recovery from an emergency and the resumption of full IT service to customers <p>IT Contingency Plans must encompass the following elements as required for the potential impact level for the system's availability security objective:</p> <ul style="list-style-type: none"> • Disruption impacts and allowable outage times • Preventive controls and recovery strategies • Vital records • Responsible personnel • Alternate operating facilities • Devolution of control (delegations of authority and orders of succession) 		

- Reconstitution (return to normal operations)

The NIST-compliant Contingency Plan template is generated during the RMS Questionnaire process and is used as the basis of the plan. The information in the template is completed based on guidance found in DHS 4300A; NIST SP 800-34; NIST SP 800-53; and from consultation as needed with the System Owner, Program/Business Manager, and ISSO. The DHS *Certification and Accreditation (C&A) Guidance for SBU Systems: Users Manual* provides detailed information on completing the SSP within RMS.

FORMAT/SUBMISSION: RMS Template

CHANGE DOCUMENTATION: Updates, per contract baseline, as necessary.

DATA ITEM DESCRIPTION

1. TITLE Information Technology (IT) Security Risk Assessment	2. IDENTIFICATION NUMBER SBI-DID-0044	
3. DESCRIPTION/PURPOSE <p>Risk Assessments are used to determine the extent of potential threats and risks associated with an IT system throughout its lifecycle. Based on the results of the Risk Assessment, appropriate security controls can be identified to reduce risks to an acceptable level during the risk mitigation phase.</p> <p>SBI net follows the overall risk process as described in NIST Special Publication 800-30, <i>Risk Management Guide for IT Systems</i>. The results of the risk assessment will be used to directly address the controls that will be documented in the SSP and implemented within the system.</p> <p>The initial Risk Assessment is updated and revised and becomes the final Risk Assessment as part of the overall accreditation process after the controls are implemented and tested and the results/corrective actions are implemented.</p> <p>Through the development of the final Risk Assessment, the definition of the program residual risk can be determined for the DAA's acceptance during accreditation</p>		
4. APPROVAL DATE <small>(YYMMDD)</small>	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Design and Integration	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION	9. REFERENCES CDRL H127	
10. PREPARATION INSTRUCTIONS CONTENT: <p>An initial risk assessment is used to understand the unique system risks and to determine if any controls are required to address specific threats or weaknesses to the system. The initial risk assessment incorporates system characterization information, security categorization determination, privacy threshold analysis and Privacy Impact Assessment (PIA) and e-Authentication assessment.</p> <p>The Risk Assessments is used to determine the extent of potential threats and risks associated with the SBI net system throughout its lifecycle. In general a Risk Assessment:</p> <ul style="list-style-type: none"> • Provides system specific information • Addresses Threats and Vulnerabilities to the system • Identifies the risks to the system • Identifies the countermeasures that are (or will be for systems under development) applied to safeguard against the defined vulnerabilities • Identifies the residual risk to the system • Provides recommendations to address the unacceptable residual risks as defined for the system <p>An initial Risk Assessment document is generated within RMS when a C&A package is created and the</p>		

questionnaire is run.

The DHS *Certification and Accreditation (C&A) Guidance for SBU Systems: Users Manual* provides detailed information on developing the Risk Assessment within RMS.

FORMAT/SUBMISSION: RMS Template

CHANGE DOCUMENTATION: Updates, per contract baseline, as necessary.

DATA ITEM DESCRIPTION		
1. TITLE Integrated Baseline Review (IBR) Package	2. IDENTIFICATION NUMBER SBI-DID-0045a	
3. DESCRIPTION/PURPOSE The purpose of this Data Item Description is to exemplify the documents contained in the IBR package which facilitate the validation and adequacy of the proposed performance measurement baseline.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Business Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H128	
10. PREPARATION INSTRUCTIONS <p>CONTENT: IBR Package includes:</p> <ol style="list-style-type: none"> 1. Dollarized RAM to include cross references to the following: Work Breakdown Structure (WBS) level, WBS reference, OBS, Task Description, Control Account, Activity ID, Contract Line Item Number (CLIN), Statement Of Work (SOW) paragraph reference, Control Account Manager, and Budget (Dollars/Hours). 2. Organization Breakdown Structure (OBS) 3. Resourced Loaded Control Account Plans (CAPs) 4. A CAM risk assessment. The CAM risk assessment shall consist of potential risks and opportunities as they pertain to the accomplishment the proposed performance measurement baseline. Risks and opportunities shall be assessed in accordance with approved Risk Management Plan. 5. Work Authorization Documents 6. Resource loaded Integrated Master Schedule (IMS) in Microsoft Project 2003 or newer format and compliant with the <i>SBI</i>net Scheduling Standards, and SBI-DID-0057, and DI-MGMT-81650 7. Program Critical Path and analysis based on the resourced loaded Program IMS. This analysis depicts a sequence of discrete work packages and planning packages (or lower level tasks or activities) in a network that has the longest total duration. 8. Dependency matrix. The dependency matrix (i.e., Giver-Receiver List) shall demonstrate the inter-relationships (predecessor-successor) between the proposed performance measurement baseline and other task orders. <p>FORMAT FOR SUBMISSION: The read-ahead package shall be in the Contractor's format and provided in electronic media.</p>		

DATA ITEM DESCRIPTION		
1. TITLE Interface Control Document (ICD)		2. IDENTIFICATION NUMBER SBI-DID-0048
3. DESCRIPTION/PURPOSE Defines and controls internal and external SBI ^{net} interfaces.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering / RIV	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H056	
10. PREPARATION INSTRUCTIONS CONTENT: <ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> 1.1 Purpose 1.2 Scope 2. Referenced Documents 3. Interface Requirements <ol style="list-style-type: none"> 3.1 System Functional Overview 3.2 Interface Characteristics <ol style="list-style-type: none"> 3.2.1 Physical Characteristics 3.2.2 RF Interfaces 3.2.3 Mechanical Interfaces 3.2.4 Electrical Interfaces 3.2.5 Data Interfaces 3.2.6 Software 4. Acronyms <p>FORMAT FOR SUBMISSION: Contractor's format; provided in electronic media.</p>		

DATA ITEM DESCRIPTION

1. TITLE System Security Plan (SSP)		2. IDENTIFICATION NUMBER SBI-DID-0049
3. DESCRIPTION/PURPOSE The System Security Plan (SSP) provides a complete description of the information system, including purposes and functions, system boundaries, architecture, user groups, interconnections, hardware, software, encryption techniques, transmissions, and network configuration. The SSP also provides an overview of the security requirements of the system and describes the controls in place or planned for meeting those requirements. In addition, the SSP delineates the responsibilities and expected behavior of all individuals who access the system. The SSP, typically written in conjunction with the Risk Assessment, is refined throughout the accreditation process.		
4. APPROVAL DATE (YYMMDD) 071214	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Design and Integration	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP SBI ^{net} Task Orders		
8. APPROVAL LIMITATION	9. REFERENCES CDRL H021	
10. PREPARATION INSTRUCTIONS CONTENT: A template for the SSP is provided in the Risk Management System (RMS). The template and the RMS Requirements Traceability Matrix (RTM) provide a basic structure to ensure consistency and completeness in the finished document. The DHS <i>Certification and Accreditation (C&A) Guidance for SBU Systems: Users Manual</i> provides detailed information on completing the SSP within RMS. The System Security Plan is a living document that requires periodic review, modification, and plans of action and milestones for implementing security controls. SSP updates will coincide with required annual risk analysis and assessments to ensure full protection of systems, networks and data throughout System Development Life Cycle (SDLC). FORMAT/SUBMISSION: RMS Template CHANGE DOCUMENTATION: Updates, per contract baseline, as necessary.		

DATA ITEM DESCRIPTION		
1. TITLE B Specifications Document		2. IDENTIFICATION NUMBER SBI-DID-0054a
3. DESCRIPTION/PURPOSE Documents the B-Level Requirements for the SBInet Program.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H140	
10. PREPARATION INSTRUCTIONS CONTENT: 1.0 Scope 1.1 Identification 1.2 System Overview 1.2.1 System Boundary 1.3 Document Overview 2.0 Applicable and Referenced Documents 2.1 Government Documents 2.1.1 Applicable Government Documents 2.1.2 Referenced Government Documents 2.2 Non-Government Documents 2.2.1 Applicable Non-Government Documents 2.2.2 Referenced Non-Government Documents 3.0 Requirements 3.1 Capability Requirements 3.2 Performance Requirements 3.3 External Interface Requirements 3.4 Internal Interface Requirements 3.5 Data Requirements 3.6 Adaptation Requirements 3.7 Safety 3.8 Security and Privacy Requirements 3.9 Natural and Induced Environment Requirements 3.10 Computer Resource Requirements 3.11 Reliability, Availability & Maintainability 3.12 Design and Construction Constraints 3.13 Human Factors Requirements 3.14 Training-Related Requirements 3.15 Logistics Requirements 3.16 Other Requirements 3.17 Packaging Requirements		

- 3.18 Precedence and Criticality of Requirements
- 3.19 Data Recording and Storage
- 4.0 Verification Provisions
 - 4.1 Introduction
 - 4.2 Verification Method Definitions
 - 4.3 Verification Cross Reference Matrix Definitions
 - 4.4 Verification Cross Reference Matrix
 - 4.5 Success Criteria
- 5.0 Requirements Traceability
- 6.0 Notes
 - 6.1 Definition of Terms
- 7.0 Abbreviations and Acronyms
- 8.0 TBD/TBR Description & Disposition

FORMAT FOR SUBMISSION: Each B Specification shall be in the Contractor's format and provided in electronic media.

DATA ITEM DESCRIPTION		
1. TITLE A Specifications Document	2. IDENTIFICATION NUMBER SBI-DID-0055a	
3. DESCRIPTION/PURPOSE Documents the A-Level Requirements for the SBI <i>net</i> Program.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL H141	
10. PREPARATION INSTRUCTIONS CONTENT: 1.0 Scope 1.1 Identification 1.2 System Overview 1.2.1 System Boundary 1.3 Document Overview 2.0 Applicable and Referenced Documents 2.1 Government Documents 2.2 Non-Government Documents 3.0 Requirements 3.1 System Capability Requirements 3.2 System Performance Requirements 3.3 System External Interface Requirements 3.4 System Internal Interface Requirements 3.5 System Data Requirements 3.6 Adaptation Requirements 3.7 System Safety 3.8 Security and Privacy Requirements 3.9 Natural and Induced Environment Requirements 3.10 Computer Resource Requirements 3.11 Reliability, Availability, & Maintainability 3.12 Design and Construction Constraints 3.13 Human Factors Requirements 3.14 Training-Related Requirements 3.15 Logistics Requirements 3.16 Other Requirements 3.17 Packaging Requirements 3.18 Precedence and Criticality of Requirements 3.19 Data Recording and Storage 4.0 Verification Provisions 4.1 Introduction		

- 4.2 Verification Method Definitions
- 4.3 Verification Cross Reference Matrix Definitions
- 4.4 Verification Cross Reference Matrix
- 4.5 Success Criteria
- 5.0 Requirements Traceability
- 6.0 Notes
 - 6.1 Definition of Terms
- 7.0 Abbreviations and Acronyms
- 8.0 TBD/TBR Description and Disposition

FORMAT FOR SUBMISSION: The A Specification shall be in the contractor's format and provided in electronic media.

DATA ITEM DESCRIPTION

<p>1. TITLE</p> <p style="text-align: center;">Integrated Master Schedule (IMS) and supporting documentation</p>	<p>2. IDENTIFICATION NUMBER</p> <p style="text-align: center;">SBI-DID-0057</p>	
<p>3. DESCRIPTION/PURPOSE</p> <p>The Integrated Master Schedule (IMS) is a business tool used in conjunction with the Integrated Master Plan (IMP) to allow for on-going insight into the program status by both the Government and the Prime Contractor, helping to mitigate risks, improve day-to-day program management and execution, and increase the probability of program success.</p> <p>The IMS is an integrated, networked program schedule containing all the detailed discrete work packages and planning packages (or lower level tasks/activities) necessary to support the entire program's events (PEs), significant accomplishments (SAs), and accomplishment criteria (ACs) as described in the IMP (SBI-DID-0015A).</p>		
<p>4. APPROVAL DATE (YYMMDD)</p>	<p>5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)</p> <p style="text-align: center;">Business Operations</p>	<p>6. DTC APPLICABLE</p>
<p>7. APPLICATION/INTERRELATIONSHIP</p> <p>The IMS shall be traceable to the program's contracts, Contract Work Breakdown Structure (CWBS), Statement of Works (SOWs), Earned Value Management Systems (EVMS), Risk Management System, and IMP.</p> <p>The IMS shall be defined to the level of detail necessary for day-to-day management and execution of the entire program and its projects.</p>		
<p>8. APPROVAL LIMITATION</p>	<p>9. REFERENCES</p> <p style="text-align: center;">CDRL H011 (STO)</p> <p style="text-align: center;">CDRL E011 (DTO)</p>	
<p>10. PREPARATION INSTRUCTIONS</p> <p>The development of the IMS shall be in accordance with the Government scheduling management processes and procedures. For additional guidance in developing the IMS, the contractor shall reference the latest versions of the Department of Defense (DoD) "Integrated Master Plan and Integrated Master Schedule Preparation and Use Guide," the SBI-net Program Management Office (PMO) Scheduling Standards, and the DoD standard IMS Data Item Description (DID), DI-MGMT-81650.</p> <p>The IMS shall maintain consistency with the IMP's PEs, SAs, and ACs, and include durations for each discrete work package and planning package (or lower level task or activity), along with predecessor and successor relationships, and any constraints that control the start or finish of each work package and planning package (or lower level task or activity). (Note: When Level of Effort (LOE) work packages, tasks, or activities are included in the IMS, they shall be clearly identified as such, and shall never drive the critical path(s)).</p> <p>The IMS shall be a fully integrated, logical network-based program schedule that correlates to the CWBS, and is vertically and horizontally traceable to the cost/schedule reporting instrument used to address variances such as in the task orders' Contract Performance Reports (CPRs). It shall include fields and data as specified in the latest SBI-net PMO Schedule Standards that enable the government to access, filter</p>		

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and sort schedule information in multiple ways (e.g. Event, by IPT, by WBS, by Earned Value Management (EVM) Method, Statement of Work (SOW) or by CWBS.

The IMS shall include the lowest level of all program contract tasks/activities that form the network. The details shall contain horizontal and vertical integration, at the work package and planning package level, at a minimum. The detailed schedules shall include all tasks/activities, work packages, and planning packages identified in the contract Performance Measurement Baseline (PMB) and baselined at the Systems Task Order (STO) Integrated Baseline Review (IBR). Every discrete task/activity, work package, and planning package shall be clearly identified and directly related to a control account.

Work packages and planning packages shall be individually represented and summarize to or reconcile with the total budget for that control account. If Level of Effort (LOE) control accounts, work packages, or planning packages are included as tasks in the IMS, they shall be clearly identified as such. The detailed tasks/activities, work packages, and planning packages shall be traceable to only one CWBS, IMP, and performing organizational element, as applicable. The level of detail in the IMS (including number and duration of tasks/activities) shall follow the contractor's EVM process as documented in their SBI-net Cost Management Plan. Shorter-term work packages (ideally equal in length to the statusing interval) are preferred because they provide more accurate and reliable measures of work accomplished.

The IMS is a living document that is continuously updated to reflect the progress of the program and the projects executing within the program. The IMS should allow for the government to perform critical path analysis independently from the critical path analysis provided by the Prime Contractor. The IMS should also be validated to ensure that the data being submitted is reflective of the actual work the Prime Contractor has or is currently performing for the program especially in the case if other Commercial of the Shelf (COTS) scheduling software is being used outside of what is required by this DID.

For a list of IMS key elements and their definitions, please reference DI-MGMT-81650.

FORMAT/SUBMISSION: The IMS submission shall be created using Microsoft Project 2003 or the latest version of this scheduling software application. If any other Commercial off the Shelf (COTS) scheduling software is used, the government requires that the IMS be converted, quality checked and properly formatted to Microsoft Project 2003 or newer for its submission for the IMS. The IMS shall, at a minimum, consist of all past, current and in some cases future projects/contracts for the SBI-net Program. In referring to past projects/contracts, the government requires the retention of data for completed tasks and activities as outlined in DoD IMS Standard DI-MGMT-81650. This data will provide the government a complete Program IMS as outlined in the STO Statement of Work (SOW).

The IMS shall be baselined upon successful completion of an IBR, and the Government acceptance of the program baseline. Major Changes to the program baseline shall be approved by the SBI-net Joint Change Control Board (JCCB).

The IMS shall be statused weekly and in accordance with the contractor's schedule management process and the SBI-net Program Management Office Schedule Standards. It shall be submitted monthly accompanied by specific IMS supporting documentation. The government requests that the following supporting documentation be submitted:

- Program Critical Path – Path analysis based on the resourced loaded Program IMS. This analysis depicts a sequence of discrete work packages and planning packages (or lower level tasks or activities) in a network that has the longest total duration.
- Schedule Metrics – Report should be in accordance with the Boeing Integrated Defense System (IDS) Integrated Program Management (IPM) manual.
- Schedule Risk Analysis – Report should be submitted as required and directly coordinated with the Program Critical Path analysis and variance analysis as outlined in the Boeing IDS IPM

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manual.

In addition to the monthly submittal, the Government will require weekly progress updates to the IMS be communicated and presented through the joint weekly Schedule Working Group (SWG) or any pertinent schedule Integrated Product Teams (IPT).

If a Contract Performance Report (CPR) is required, the IMS shall be statused and submitted to the procuring activity prior to or concurrently with CPR Formats 1-5 (as applicable). The IMS may reflect data either as of the end of the calendar month or as of the contractor's accounting period cutoff date, provided it is consistent and traceable to the CPR (if applicable). When subcontractor schedule data reflects a different status date than the prime contractor's schedule status date, these status dates shall be described in the analysis section of the IMS.

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DATA ITEM DESCRIPTION		
1. TITLE Test Readiness Review Package	2. IDENTIFICATION NUMBER SBI-DID-0072a	
3. DESCRIPTION/PURPOSE The Test Readiness Review Package will contain the necessary information to conduct a review to assess that the <i>SBI</i> net System Block is ready to proceed to formal system test. This package will include integrated system inputs (Systems Engineering, Segment Design and Integration, Integrated Logistics, Configuration Management, Risk Management, Security, Quality Assurance, Safety, Test and Evaluation, Production/Operations) and the CBP customer. The purpose of the review is to gain concurrence from required technical, support and management personnel that all prerequisite activities have been completed, proper procedures have been prepared and approved, test personnel are available and test performance risks have been identified and appropriately mitigated. This deliverable shall consist of both a read-ahead and the final presentation package.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Engineering / T&E	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION N/A	9. REFERENCES CDRL 144	
10. PREPARATION INSTRUCTIONS CONTENT: The package shall contain the following items to support the successful completion of a <i>SBI</i> net Test Readiness Review: <ul style="list-style-type: none"> a. TRR entrance and exit criteria b. Test Plans (DTP V1) – Released and approved by Gov’t (configuration, objectives, requirements, resources, analysis plan, etc.) c. Test Procedures/Checklists (DTP V2) – Released and approved by Gov’t d. Approved Data Management Plans (DMPs) indicating data and format to be collected e. List identifying the empowered Boeing and Government test personnel and quality representatives f. Approval and Clearance Notices (ACNs) Complete to include but not limited to open paperwork (change request, test anomalies, non-conformances, etc) impacting the test and dispositions indicating acceptability to proceed into test. AND will include relevant waivers and deviations range permissions (operating frequencies, permission to operate radars/commgear, etc) and identification of any hazards/safety concerns/associated controls. g. Completed and approved system/component certification packages h. Approved Test Schedule i. Completed Dry Runs/Regression Tests – complete and results factored into TRR package and formal test plans j. All known risks identified and mitigated k. Critical spares identified, available, and are approved for use l. Any new technology/component post TUS-1 Block 1.0 that is to be integrated into the system shall of completed component qualification testing, all B-specification 		

requirements verified and approved by the government; and must successfully complete all integration and checkout objectives prior to system testing.

m. Safety review results

n. All Category 1, 2 and 3 open paper (Development Incident (DI), Test Incident (TI), Problem Change Report (PCR) and Non-Conformances (NC)) identified and dispositioned as acceptable risk to proceed to testing.

FORMAT FOR SUBMISSION: The TRR package shall be in the contractor's format and provided in electronic media.

DATA ITEM DESCRIPTION

1. TITLE System Design Document	2. IDENTIFICATION NUMBER SBI-DID-0073	
3. DESCRIPTION/PURPOSE The purpose of the <i>SBI</i> net Systems Design Document (SDD) is to comply with the policies and requirements of the U.S. Customs and Border Protection (CBP) <i>System Life Cycle (SLC) Handbook</i> and the Department of Homeland Security (DHS) <i>Systems Engineering Life Cycle (SELC)</i> . The SDD includes an overview of the system's functions and logic, a summary of the operational environment, and an assessment of proposed design alternatives.		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) System Design and Integration	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP The <i>System Design Document</i> is intended for use primarily by the development team responsible for building the system. The document is a configuration item subject to configuration management procedures. After the document has been accepted by the government and baselined, the Joint Change Control Board (JCCB) must approve changes.		
8. APPROVAL LIMITATION	9. REFERENCES U.S. Customs and Border Protection (CBP) <i>System Life Cycle (SLC) Handbook</i> . Department of Homeland Security (DHS) <i>Systems Engineering Life Cycle (SELC)</i> , CDRL H146	
10. PREPARATION INSTRUCTIONS <ul style="list-style-type: none"> ■ An SDD is referenced by the CBP SLC and the DHS SELC as an artifact of the life cycle. The DHS and CBP/OIT templates for the SDD are attached for official guidance and reference. In addition to the CBP/OIT template, OIT has identified three specific requirements that the SDD must also address: <ul style="list-style-type: none"> ➤ A description of the technical approach and security features used for the target architecture; ➤ An identification of all programs and other hardware and software component associated with a particular application; and ➤ A description of how the programs interact with other application and specific database(s). <p>Boeing shall address all sections in the CBP/OIT and DHS SDD templates, as appropriate using the Boeing proposed outline for a System Design Document. A compliance matrix shall be included in the <i>SBI</i>net SDD that indicates compliance with the appropriate sections of the CBP/OIT and DHS SDD templates. Additionally, Boeing shall address the following areas:</p> <ol style="list-style-type: none"> 1) Address the Design Constraints at the top level as well as in more detail, as appropriate, at the individual subsystem/component level 2) Address the Database Design within the NOC/SOC and COP paragraphs. If this information (outlined in the DHS SDD template, section 3) already exists in previously approved CDRL documentation, then Boeing shall discuss at high level in the SDD and provide specific reference details (ie. page #, paragraph, figure/table) to where the information is found in the appropriate CDRL documentation. 3) Address the Human Machine Interface (HMI) within the NOC/SOC and COP sections. The information discussed in the DHS SDD template, section 4 shall be addressed and included. 		

- 4) Address the Architecture at the system level with appropriate diagrams to include the hardware, software, and internal communications architecture
- 5) Address the levels of control as outlined in the DHS SDD template section 7.

FORMAT/SUBMISSION: The SDD shall be created using Microsoft Word. It should be submitted as one Word file.

The SDD shall comply with the Official DHS and CBP OIT SDD templates. Compliance shall be demonstrated through a compliance matrix that is part of the delivered document. The SDD shall be delivered contractually and submitted in accordance with the System Task Order (STO) SOW. Upon Government acceptance of the SDD, it shall be placed under configuration management control, and the Government shall be informed of any changes made to the SDD. When an updated SDD is submitted, changes made to the previous version should be clearly noted, such as additions should be made in a different font color and deletions should be noted with an inserted comment.

DATA ITEM DESCRIPTION		
1. TITLE	2. IDENTIFICATION NUMBER	
Technology Insertion Package	SBI-DID-0074	
3. DESCRIPTION/PURPOSE		
<p>The Technology Insertion Package will contain the information required to insert new technologies into the CBP Technical Reference Model Approved Products/Standards List. The <i>SBI</i>net SPO will submit, once delivered, to CBP this Technology Insertion Package as part the insertion process which is described as such:</p> <p>A Technology Insertion (TI) request is a formal request to the CBP and DHS architecture governance bodies for adjudication of:</p> <ul style="list-style-type: none"> • New technologies, • Update of existing technologies (Renewals, Expansions, Enhancements), • Alignment with the DHS Technology Reference Model (TRM). <p>A TI request (TIR) can be made by any program, project office or business unit within CBP. A TIR is created when a business need is identified and it is determined that the enterprise does not possess a technology to fill that need. Before a TI is started, the requestor must determine whether a product already exists in the architecture that can fulfill the business need.</p> <p>An Approved Products/Standards List can be provided as requested.</p> <p>Products and standards will be simply referred to as technologies. Technologies include Commercial Off the Shelf (COTS), Government Off the Shelf (GOTS), hardware and software.</p> <p>The <i>SBI</i>net SPO provides the template to be completed for each technology insertion. Contractor will be required to respond to further questions and requests through the technology insertion process.</p> <p>This deliverable shall consist of a package to include a completed Technology Insertion Request.</p>		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6. DTC APPLICABLE
N/A	Design and Integration	N/A
7. APPLICATION/INTERRELATIONSHIP		
8. APPROVAL LIMITATION	9. REFERENCES	
N/A	CDRL H147	
10. PREPARATION INSTRUCTIONS		
<p>CONTENT: The package shall contain the completed <i>SBI</i>net Technology Insertion Request template, as provided.</p> <p>FORMAT FOR SUBMISSION: The completed <i>SBI</i>net Technology Insertion Request template shall be delivered in electronic media.</p>		

DATA ITEM DESCRIPTION		
1. TITLE Contractor Work Breakdown Structure (CWBS) and CWBS Dictionary		2. IDENTIFICATION NUMBER SBI-DID-0075
3. DESCRIPTION/PURPOSE The purpose of the Contractor Work Breakdown Structure (CWBS) is to organize and define the total scope of the project in terms of deliverables, and to further decompose these deliverables into work packages (the lowest level within the CWBS). The purpose of the CWBS Dictionary is to describe the work that composes each element of the CWBS, and ensure the entire project requirements have been considered from a project scope, technical performance, schedule, and cost perspective.		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Business Operations	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP The CWBS plays an integral role in the initiating, planning, executing, monitoring, and control processes. Any change to the CWBS would require an associated change in other project management tools/documentation such as the Organizational Breakdown Structure (OBS) and the Integrated Master Schedule (IMS). Change in project scope should initiate a change to the CWBS.		
8. APPROVAL LIMITATION	9. REFERENCES H0148 – Contractor Work Breakdown Structure	
10. PREPARATION INSTRUCTIONS The CWBS and CWBS Dictionary are an extension of the Program WBS (PWBS) and PWBS Dictionary, respectively. The PWBS is created jointly by the Government and Contractor, and approved by the Government. The PWBS defines the top three levels of the project. To create the CWBS, the Contractor extends the PWBS at its discretion to lower levels, in accordance with Government direction and the contract statement of work. The CWBS should go down to a level that allows visibility into the project's performance, but does not overburden the management control system. The CWBS should follow an "outline view" format shown below, and include the PWBS levels. The outline view shows the hierarchical structure by assigning a numbering scheme (CWBS element number) and using indentation for each level of the CWBS. Sample of "Outline View" format: 0 SBIInet (Level 1) 1 Block One System (Level 2) 1.1 Sensor Tower (Level 3) 1.1.1 Sensor Tower Design (Level 4) 1.1.1.1 Sensor Tower Drawings (Level 5) The CWBS shall consist of the following two columns: CWBS element number and element name. The CWBS dictionary shall include the following columns: CWBS element number, element name, and definition. FORMAT/SUBMISSION: The CWBS and CWBS Dictionary shall be created using Microsoft Excel. It should be submitted as one Excel file with the CWBS in one worksheet, and the CWBS Dictionary in		

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another worksheet. It shall be in the hierarchical format described above, and align with the program's IMP, IMS, WBS and SOWs. All aforementioned columns shall be populated for the CDRL to be considered complete, and accepted by the Government. If at the time of submission, all relevant information is not known, populate the column with the word "pending" and identify the action needing to take place to obtain the appropriate data to complete the required fields.

The CWBS and CWBS Dictionary shall be submitted in accordance with the System Task Order (STO) SOW. Upon Government acceptance of the CWBS, it shall be placed under version control, and any changes made to the CWBS beyond level 3 shall be submitted to the Government. For Contractor requested changes made to levels 1 through 3 of the CWBS / PWBS, the request must be presented to the Joint Change Control Board for approval.

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DATA ITEM DESCRIPTION

1. TITLE Risk Management Plan	2. IDENTIFICATION NUMBER SBI-DID-0076	
3. DESCRIPTION/PURPOSE The Risk/Issue/Opportunity Management Plan (RMP) defines a comprehensive and consistent approach to ensure all aspects of the SBInet program are examined for risk and provides definition and guidelines for the proactive identification, analysis, tracking, reporting and mitigation of all program/project risks, issues and opportunities across the SBInet program and SBInet task orders.		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Prime Contractor Program Management Office	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP This RMP applies to all areas within the prime contractors organization and suppliers. The RMP shall address risk/issue and opportunity management. (For the purpose of this DID, the term "RISK" includes risks/issues and opportunities)		
8. APPROVAL LIMITATION	9. REFERENCES CDRL H149	
10. PREPARATION INSTRUCTIONS CONTENT: The RMP shall define the relationship, roles and responsibilities, risk thresholds and communications between risk management and each of the functional organizations identified below to ensure risks/issues/opportunities are proactively identified, communicated and controlled: <ol style="list-style-type: none"> 1) Earned Value Management – the RMP shall define the relationship with the Contractor’s finance/cost/schedule organizations and depict how earned value information is used to trigger risk identification. 2) Integrated Master Schedule - the RMP shall define how schedule analysis activities trigger the creation of risks/issues/opportunities. 3) The RMP shall describe how the accomplishments and outputs of the System Engineering process’s trigger the identification and management of risks/issues/opportunities. 4) Subcontractors – the RMP shall describe the process used to institutionalize the prime contractor’s risk management process with each supplier. 5) Supply/Supply Chain Management – the RMP shall define risk identification criteria as applicable to SSCM activities and outputs. <p>The RMP shall establish, define and demonstrate a relationship with the Contractor’s scheduling organization to ensure risk mitigation activities are reflected in the program Integrated Master Schedule with sufficient detail to determine if mitigation activities are impacting critical path.</p> <p>The RMP shall demonstrate how risks and issues are traceable to Contractor Work Breakdown Structure (CWBS) element.</p> <p>The RMP shall define and demonstrate that Root Cause Analysis is performed and documented for High risks and all Issues.</p> <p>The RMP shall define and demonstrate how initial <u>risk planning</u> (i.e. risk assessment) is conducted at the beginning of SBInet projects and task orders. The RMP shall also define the lifecycle of a risk/issue/opportunity to include definitions for each step (i.e., risk planning, risk identification, risk</p>		

analysis, risk handling, risk reporting, risk monitoring and closing)

A Risk Management Process shall accompany the RMP. The Process shall be included within the RMP. The Risk Management Process shall contain a process flow chart depicting the lifecycle of risks/issues/opportunities as well as the roles and responsibilities associated with each process step.

The RMP shall establish and define criteria for the following:

- 1) Risk categories (i.e. Project/Team, Program, Watch List, etc) and thresholds to elevate risks/issues/opportunities from Project/Team level to Program level.
- 2) Risk/Issue/Opportunity closure criteria.
- 3) Risk Handling strategies (i.e.: Avoid, Control, Accept, Transfer)
- 4) Communication of risk information within the contractor's organization across IPT's and vertical communication to contractor's Program Manager. The RMP shall demonstrate how risk/issue/opportunity information is communicated externally to Govt counterparts at IPT/team level and Program Manager level.
- 6) Risk management meetings to include structure, content and roles and responsibilities.
- 7) Risk management training.
- 8) A measurement criterion (metrics) to ensure the risk management plan and process is implemented across the program.

DATA ITEM DESCRIPTION

1. TITLE Configuration Data Management Plan	2. IDENTIFICATION NUMBER SBI-DID-0078	
3. DESCRIPTION/PURPOSE The Configuration and Data Management Plan (CDMP) identifies all the activities that must occur to ensure that any and all baseline changes to a program are properly identified and maintained. The activities include: (1) identify change, (2) manage that change, (3) ensure that the change is being properly implemented, (4) report the change to others who may have an interest, and (5) record the change for historical reference. All CI's are baselined and identified in a separate controlled document.		
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Prime Contractor Program Management Office	6. DTC APPLICABLE
7. APPLICATION/INTERRELATIONSHIP This CDMP applies to all areas within the prime contractors organization and suppliers.		
8. APPROVAL LIMITATION	9. REFERENCES CDRL H151	
10. PREPARATION INSTRUCTIONS CONTENT: The CDMP shall identify the configuration management tasks to be performed, reports to be generated, archiving and audits/reviews that will be conducted within the <i>SBI_{net}</i> . CDMP will also relate the tasks to the responsible organizational groups. Configuration Management Tasks Configuration Identification – The CDMP will define what types of items will be controlled in the project, such as systems design, software, hardware, systems architecture, and project plans. CDMP will also define the documentation scheme used to identify the items (i.e. filenames, CI identifiers, labels, etc). Configuration Items (CIs) – CDMP will list each configuration item, when it will be put under control, and the person responsible for each item. Baselines – CDMP references a separate configuration controlled document that defines all <i>SBI_{net}</i> baselines. This document further describes when and how baselines are produced and the method for updating or changes to the baseline. Configuration Control – CDMP will describe how and where all configurable items are maintained. Change Control – CDMP will describe the mechanism for controlling changes to the items under configuration management. Each Program level board has it's own 'Charter' that defines the membership of each type Control Board (ERB/CCB) details of initiation, recording, review, approval, tracking, and closure. Release Procedure – CDMP will describe the plans for controlling release of updated configurable documents or drawings and/ additional artifacts as defined by the boards disposition. Data Management (DM) – CDMP will describe a systematic method to document and maintain a product DM discipline.		

Configuration Reports

CDMP references the Configuration Items List Document that will describe, for all generated reports, the CI Change History, the CI Status, which CI items have been released, and the current baseline status.

Archiving

CDMP shall describe the schedule of archiving, the type of archiving and when archiving will be available for review.

Audits and Reviews

CDMP shall describe the requirement for conducting audits and reviews, lower level process documentation will be used to define the details associated with the audit process. For verification of the product baseline, the CDMP will document the requirement for one or more government representatives to participate in the Physical Configuration Audit (PCA).

DATA ITEM DESCRIPTION

1. TITLE DOORS Database		2. IDENTIFICATION NUMBER SBI-DID-0079							
3. DESCRIPTION/PURPOSE The requirements management tool used by the <i>SBI</i> net Program is the Dynamic Object-Oriented Requirements System (DOORS). This tool provides visibility into requirements, traceability and verification method and verification status. The contractor will manage its requirements traceability and use DOORS for documentation and reporting.									
4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Systems Engineering		6. DTC APPLICABLE						
7. APPLICATION/INTERRELATIONSHIP The Contractor is responsible for maintaining its requirements database according to the contract data requirements. The contractor is responsible for overseeing the requirements database usage, and for establishing the overall schema for the requirements database. Further, the contractor will input source requirements, maintain the "master file" of all requirements and produce requirements traceability matrices.									
8. APPROVAL LIMITATION		9. REFERENCES H153							
10. PREPARATION INSTRUCTIONS FORMAT/SUBMISSION: The database: <ul style="list-style-type: none"> - Must be created using Telelogic DOORS version 8.x - Must contain all baselined requirements specifications including Government provided requirements (transmitted via contract letter) - Must be unlocked - Must be a DOORS archive file (in a .dpa file format) - Must be fully traced from ORD through A-Spec to lower-level specifications Additionally: <ul style="list-style-type: none"> - Each baseline must be uniquely and intuitively labeled so as to identify each baselined module with the particular baselining event or approval date - All changes to requirements must be identified by reference to an approved Change Memo or Change Request - At a minimum, the requirements database shall contain the following attributes: <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Attribute Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ID</td> <td>Unique ID (assigned)</td> </tr> <tr> <td>Requirement</td> <td>Requirement statement</td> </tr> </tbody> </table>				Attribute Name	Description	ID	Unique ID (assigned)	Requirement	Requirement statement
Attribute Name	Description								
ID	Unique ID (assigned)								
Requirement	Requirement statement								

Allocation	Used to allocate requirements to a lower level specifications or requirement modules.
Change Authorization	Used to capture change authority
Change Rationale	Used to identify why change was made
Comments	Used to capture comments related to the requirement
Data Type	Used to capture the type of information represented in the DOORS Object.
Effectivity / Version	Used to capture version, effectivity, model types, software builds, etc.
IsReq	Used to gather initial project metrics related to requirements and verification activities.
Owner/POC	Used to capture the Point of Contact or owner of the requirement.
Peer Review	Requirement has been peer reviewed or not.
Rationale	Used to capture the rationale for the requirement. Helps new engineers become familiar with the thought processes taking place while the requirement was being developed.
Source	Used to identify the source of the requirement.
Status	Used as a method to status the requirement in its lifecycle.
Verification Method	Used to capture the high level Verification Method.

DATA ITEM DESCRIPTION		
1. TITLE Modeling and Simulation Verification and Validation Plan		2. IDENTIFICATION NUMBER SBI-DID-0080
3. DESCRIPTION/PURPOSE This Data Item Description contains the content and format preparation instructions for documenting M&S verification and validation (V&V) planning for model(s), simulation(s), federations of models and simulations, and other types of distributed simulations, which are described in MIL-STD-3022, Documentation of Verification, Validation, and Accreditation (VV&A) for Models and Simulations.		
4. APPROVAL DATE (YYMMDD) N/A	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) Program Management	6. DTC APPLICABLE N/A
7. APPLICATION/INTERRELATIONSHIP N/A		
8. APPROVAL LIMITATION N/A	9. REFERENCES MIL-STD-3022 (A, 28-JAN-2008), CDRL H154	
10. PREPARATION INSTRUCTIONS <u>Format and Content</u> The content of the Verification and Validation (V&V) Plan shall be in accordance with MIL-STD-3022, Appendix B. In the following sections, it is especially critical that M&S component and M&S system level planned approach/activities are described clearly: <ul style="list-style-type: none"> - V&V Methodology (B.9 in MIL-STD-3022) - Planned Implementation Verification Tasks/Activities (B.9.4 in MIL-STD-3022) - Define Suite of Tests (B.9.4.1 in MIL-STD-3022) - Planned Results Validation Tasks/Activities (B.9.5 in MIL-STD-3022) - Define Suite of Tests (B.9.5.1 in MIL-STD-3022) 		
11. FORMAT/SUBMISSION: Unless otherwise noted, the data products shall be in contractor's format and provided in electronic media.		