AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
See Block #2	1 of 3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ.NO.	5. PROJECT NO. *(If applicable)*
0005			

6. ISSUED BY ESC/DIVK CODE FA8725

ELECTRONIC SYSTEMS CENTER
AIR FORCE MATERIEL COMMAND, USAF
45 ARNOLD STREET, BLDG 1600
HANSCOM AFB, MA 01731-2102
JEFFREY W. WONG 781-377-2326

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7. ADMINISTERED BY *(If other than Item 6)* CODE

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

CODE FACILITY CODE

(X) X

9A. AMENDMENT OF SOLICITATION NO. F19628-03-R-0054

9B. DATED *(SEE ITEM 11)*

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [X] 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 0 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 ACKNOWLEDGMENT 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)*

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

(X)	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *( )* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

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

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

See page 2 for details.

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*).		16A. NAME AND TITLE OF SIGNER *(Type or print)* KENT KINAL	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ *(Signature of person authorized to sign)*		BY_____ *(Signature of Contracting Officer)*	

The purpose of this amendment is to make the following changes:

a. Change the descriptive data in SubCLIN 0001AA

b.

ITEM	SUPPLIES OR SERVICES	Qty Purch Unit	Unit Price Total Item Amount
0001AA	CLIN Change		_____
		Lot	_____

Noun: B-2 BLOS PROTOTYPE
Total Quantity: 1
Total Item Amount: $0.00
NSN: N - Not Applicable
Contract type: J - FIRM FIXED PRICE
Inspection: SOURCE
Acceptance: DESTINATION
FOB: DESTINATION
Descriptive Data:

The Contractor shall productize and provide two (2) B-2 TADIL-J BLOS systems no later than (60) days after contract award. The B-2 TADIL-J BLOS systems will comprise the hardware, software, and cabling associated with the contractor's CLIN deliverable. These systems will have successfully completed Government witnessed verification testing in accordance SOO and TRD attached hereto.

ITEM	SUPPLIES SCHEDULE DATA	QTY	SHIP TO	MARK FOR	TRANS PRI	DATE
0001AA		1	U			ASREQ

Noun: B-2 BLOS PROTOTYPE
Descriptive Data:
Delivery will be 60 days after contract award.

The purpose of this amendment is to make the following changes:

a. Change the descriptive data for SubCLIN 0001AA.

b. Update and replace the Statment of Objectives with the new version dated 23 September 2003 (changes are highlighted).

DOCUMENT	PGS	DATE	TITLE
ATTACHMENT 1	8	23 SEP 2003	STATEMENT OF OBJECTIVES (TO BE REPLACED WITH CONTRACTOR SOW)

Filename:	24156.DOC
Directory:	Q:\ConWrite\Database\EDA
Template:	C:\CONWRITE\PROGRAMS\SF30RFP.dot
Title:	AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT
Subject:	
Author:	ConWrite
Keywords:	RFP Amendment (33M)
Comments:	5.3.0 (ES)
Creation Date:	9/24/2003 8:07 AM
Change Number:	1
Last Saved On:	9/24/2003 8:09 AM
Last Saved By:	wongj
Total Editing Time:	2 Minutes
Last Printed On:	9/24/2003 8:10 AM
As of Last Complete Printing	
Number of Pages:	3
Number of Words:	877 (approx.)
Number of Characters:	5,004 (approx.)

STATEMENT OF OBJECTIVES (SOO)

FOR THE

B-2 TADIL-J BLOS Program

~~6 Aug~~23 Sep 2003

1.0 Program Objectives

1.1 Introduction

The United States Air Force (USAF) plans to establish the B-2 TADIL-J Beyond Line Of Sight (BLOS) program for the purpose of addressing a critical Air Force requirement to provide BLOS situational awareness on board the B-2. The overall objective of the B-2 TADIL–J BLOS program is to acquire a non-integrated solution that will provide TADIL–J BLOS connectivity (receive and transmit) for the B-2. The Contractor is expected to propose a product set that meets the requirements of the B-2 TADIL-J BLOS Technical Requirements Document (TRD).

1.2 Acquisition Overview

CAF 320-02 CMNS for B-2 Global Response Task Force/Global Communications Enhanced Capability was signed on 27 January 2003. A PMD in support of this effort was issued 10 March 2003. The goal is to rapidly provide enhanced situational awareness and mission updates to B-2 crews en route to the area of responsibility (AOR). This will be a rapid response capability with the solicitation made using HERBB to qualified vendors, with a 30 day response period followed by contract award by mid August and delivery of the initial production systems starting in November 2003.

The B-2 BLOS contract will include a software Productization of 24 units of the B-2 BLOS capability and the production of two (2) hardware units. The items will be command supported after an optional two years of Interim Contractor Support (ICS)

System requirements for the program are detailed in the B-2 TADIL-J BLOS TRD. Some requirements are defined as Key Performance Parameters (KPPs). A KPP is a capability or characteristic so significant that failure to meet the associated requirement could cause the acquisition program to be reevaluated or possibly terminated. Threshold and objective requirements are also identified in the TRD by [T#] and [O#] respectively. In an unconstrained environment the Government's preference would be a software solution that runs on the B-2 Cockpit laptop.

2.0 Documents

APPLICABLE DOCUMENTS

A) MIL-STD-6016B, Tactical Digital Information Link (TADIL) J Message Standard, 1 August 2002

B) TM03-010 Ch1, J3.5C3, J12.0C5 and F03.5-4 LSB Corrections ICP addressing PGM Quality Coordinates

C) TJ02-059 Ch1, Link-16 to Link-16 Forwarding Rules

D) MIL-STD-3011, Joint Range Extension Applications Protocol (JREAP) Standard, dated 30 September 2002

E) MIL-STD-188-181B, Interoperability Standard for Single-Access 5-kHz and 25 kHz UHF Satellite Communications channels, Notice 1, 16 Oct 2001

F) MIL-STD-188-182, DoD Interface Standard Interoperability Standard for 5-kHz UHF DAMA Terminal Waveform, Notice 3, 4 June 1999

G) MIL-STD-188-183, Interoperability Standard for 25-kHz UHF TDMA/DAMA Terminal Waveform, 18 September 1992

H) Interface Design Description for Satellite TADIL J, dated 7 August 2000

I) DoD 5200.40, DoD Information Technology Security Certification and Accreditation Process (DITSCAP), 30 Dec 97

J) DoD 8510.1-M, DoD Information Technology Security Certification and Accreditation Process (DITSCAP), Application Manual, July 2000

K) MIL-STD-461 E Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment

REFERENCE DOCUMENTS

L) UHF Integration Plan, Document number 2002-1132.006TD, dated 27 September 1995

M) PRC-117F Documentation - Contact the vendor of the product, Harris Corporation, for the relevant documentation.

N) Contact the vendor of the product, Magellan Corporation, for the relevant documentation.

O) FalconView documentation - Access to the software developers Toolkit (SDK) is available after an account request application is submitted via the FalconView web site: http://www.eglin.af.mil/mission-planning

P) AFI 33-202, Computer Security, 30 August 2001

Q) Air Force Concept of Link Employment, Version 2, 13 April 2001, (or latest published version)

3.0 Contract Objectives

The objective is to provide a B-2 TADIL-J BLOS system using either a software, hardware, or software and hardware solution. The Government's preference is to have a software solution that minimizes additional hardware components installed into the B-2 aircraft.

3.1 Productization Objectives (Software and 2 Hardware units)

3.1.1 The Contractor will provide a B-2 TADIL-J BLOS system meeting all KPP and threshold requirements in the TRD within the funding and schedule constraints.

3.1.2 If still within the funding and schedule constraints, the Contractor will meet as many of the following TRD objectives as possible. (*Please List any objectives if proposed or state "NONE". If subsets of the objectives are proposed, please define the extent.*)

3.1.3 The Contractor will provide an open system that is extensible, flexible, scaleable, modular, stable, reliable, that can easily accommodate additional capabilities and upgrades, and that reduces total ownership costs. The design will minimize logistics support, and facilitate training, and operations.

3.1.4 The Contractor will identify, coordinate, and obtain Government approval of developed interfaces. (A001)

3.1.5 The contractor will provide verification test procedures (A002) for the first two units with specific Pass/Fail criteria called out. The contractor will provide acceptance test procedures and reports (A003). Testing will not require live satellite resources.

3.1.6 The Contractor will obtain two test suites. Each test suite comprises (~~2~~1) one PRC-117F radio~~s~~, (~~2~~1) ~~two~~ one Magellan G-12 GPS unit~~s~~ and ~~two~~ one (~~2~~1) ~~ACER Travel Mate C110~~Dell C840 Latitude Computer (or equivalent) laptop display units running Windows 2000 Operating system and loaded with the required GFE software~~,~~ to support verification testing and ~~provide these~~ to support OUE. ~~The~~ The contractor will use these test suites, as required, to support the basic and, if exercised, the option CLINs.

3.1.7 The contractor will execute the approved verification test and acceptance test with Government witness. Prior to either verification or acceptance testing, the contractor will provide a 5-day notice to the Government.

3.1.8 The Contractor will accomplish in-plant system verification that will include, but not be restricted to, performance tests, qualification tests, and hardware acceptance tests.

3.1.9 The Contractor will provide verification test follow-on support including the correction of anomalies and failures that occur to ensure that the productized system meets the TRD requirements.

3.1.10 The Contractor will provide two (2) B-2 TADIL-J BLOS systems no later than (60) days ~~from~~ after contract award. The B-2 TADIL-J BLOS systems will comprise the hardware and software and cabling associated with the contractor's solution. (The B-2 TADIL-J BLOS system does not include the B-2 BLOS test suite). These B-2 TADIL-J BLOS systems will have successfully completed verification testing and verification test follow-on support. The Contractor will conduct EMC/EMI testing IAW MIL STD 461E (testing can be completed by analysis). (A012) and decompression testing (A013).

3.1.11 The Contractor will support government led EMC Safety of Flight Test.

3.1.12 The Contractor will correct anomalies and failures identified during OUE and perform an acceptance test on two (2) B-2 TADIL-J BLOS systems to ensure that the productized systems meet the TRD requirements. The contractor will ~~-~~make any necessary changes, modifications, or repairs to the two (2) systems delivered for OUE and return two (2) systems that have successfully completed Government witnessed acceptance testing and that represent the product baseline. The contractor will update the documentation to reflect any corrections and deliver a total of twenty-four (24) B-2 BLOS software deliverable systems, which includes four (4) spares. This quantity includes the software for the two systems delivered to support operational testing. Final deliveries of the systems and updated CDRLS will be 10 working days after the completion of OUE. OUE will require between 14 to 60 calendar days.

3.1.13 The Contractor will deliver the following documentation:

3.1.13.1 System Segment Specification (A004) including an Interface Requirement Specification(A00~~4~~5)

3.1.13.2 Software Product Specification (A006)

3.1.13.3 Software Version Description document (A007)

3.1.14 The contractor provided system will not force the upgrade of any existing B-2 systems and will be transparent to the existing B-2 systems.

3.1 Security and COMSEC Objectives

3.2.1 Contractor personnel will have at least a secret security clearance.

3.2.2 Contractor will have appropriately cleared facilities for the processing, storage and use of classified software.

3.2.3 The Contractor will maintain an active COMSEC account number and Defense Courier Service (DCS) account to obtain and manage Keying Material (KEYMAT). The Contractor will provide the COMSEC account, DCS account, and the COMSEC Custodian and alternate Contact information (Name, address, email, and telephone) to the PCO at contract award and update information with any changes.

3.2.4 The contractor will provide an accreditable B2 TADIL-J BLOS system in accordance with the DITSCAP DoDI 5200.40 and the DITSCAP Application Manual, DoD 8510.1-M. and provide the System Security Authorization Agreement (SSAA) (A014). The purpose of the SSAA is to provide source data to enable the B-2 SPO to apply for system accreditation for the system.

3.3 Training Data Source Material Objective

3.3.1 The Contractor will provide source data so that the 509 BW may organically develop a training program. There will be no contractor-provided training classes. (A008)

3.4 Technical Order Data Source Material Objective

3.4.1 The Contractor will provide source data so that the 509 BW may organically develop a Technical Manual. (A009)

3.5 Program Management

3.5.1 The contractor will manage every aspect of the productization and production to include all aspects of planning, coordinating, integrating, directing, controlling, approving, monitoring, and documenting the work effort.

3.5.2 The Contractor will provide the Government with timely insight to program status, data and potential issues. If any subcontractor constitutes a significant part of the total contract value (=20%), then the Contractor must identify a subcontractor POC and enable direct Government interaction to provide timely insight to program data and potential issues. *(The contractor shall describe the types and frequency of communication).*

3.5.3 The Contractor will use a disciplined risk management process, for all aspects of the B-2 BLOS system, to facilitate attainment of all program objectives. This includes providing the Government timely insight into management of high-risk aspects and risk mitigators.

3.5.4 The contractor will establish and maintain mechanisms for obtaining pertinent system data that impacts B-2 TADIL-J BLOS (e.g., associate contractor agreements, teaming with contractors to obtain interface information).

3.5.5 The Contractor will use IPTs and evolutionary design principles to execute the program.

3.5.6 The contractor will utilize effective processes, tools, and techniques to ensure near real time UNCLASSIFIED and CLASSIFIED communications among the geographically separated team members and the Government for the life of the program.

3.5.7 DELETED

3.5.8 The Contractor will utilize a quality control management system to support the B-2 TADIL-J BLOS program.

3.5.9 The Contractor will establish and maintain hardware and software configuration management control for the program.

3.5.10 The Contractor will submit Government directed changes, such as Engineering Change Proposals (ECPs). (A010)

3.5.11 The contractor will submit recommendations to resolve issues pertaining to determination of variations, deviations, waivers, and suggested changes to ESC/DIVG with final resolution administered by the Primary Contracting Officer (PCO).

3.5.12 If any T&M options are exercised, the contractor will submit a monthly status report. (A005)

3.6 Meetings

3.6.1 The Contractor will host a kick-off meeting in conjunction with the Post-Award conference, at its facility, on a Government-specified date, no later than ten (10) days after contract award.

3.6.2 The Contractor will host a Production Readiness Review at its facility at the completion of the acceptance testing.

3.6.3 The Contractor and the Government will hold working group meetings as required, on mutually agreed upon dates and locations.

3.7 Production Objectives (Hardware Deliverable) Option

3.7.1 The Contractor will implement and streamline production processes.

3.7.2 The contractor will deliver a total of twenty-two production units, including spares. This quantity does not include the 2 units delivered to support OUE testing.

3.7.3 The Contractor will develop production acceptance test procedures that include all system hardware (A003)

3.7.4 The Contractor will perform in-plant acceptance testing of the B-2 TADIL-J BLOS system. The Contractor will notify the Government 5 days prior to testing.

3.8 Engineering Support to Operational Utility Evaluation Testing Objectives Option

3.8.1 The Contractor will provide engineering support, including any necessary repairs, for the Operational utility evaluation (OUE). The OUE will be conducted from Whiteman AFB. The effort will require 80 engineering hours of on-site support for a period of one week (40 hours).

3.9 Installation and Integration (I&I) Support Objectives Option

3.9.1 The Contractor will proactively support ESC/DIVG, the B-2 SPO, and the B-2 Wing to support airworthiness, environmental, and certification processes.

3.9.2 The Contractor will provide engineering support during installation and integration of the B-2 BLOS system in the first B-2 aircraft.

3.9.3 The Contractor will provide engineering support during installation and integration of the B-2 BLOS system for a maximum of an additional 19 B-2 aircraft.

3.10 Software-Only Sustainment Support Objectives Option

3.10.1 The contractor will provide for two (2), one-year options of interim software maintenance support starting with the delivery of the first production system.

3.10.2 Any updates to Software will have associated documentation to mange the change: Version Description Document (A007); Software Product Specification (A006); Software Users Manual ((if required) (A009), SSAA (if required) (A014~~1~~).

3.10.3 The contractor will support certification and accreditation (C&A) tests and follow on accreditation activities.

3.10.4 The contractor will identify, and obtain the approval of ASC/YS at Wright Patterson AFB relative to the resources required to maintain and test the B-2 BLOS software (e.g., simulators, scenarios, support software).

3.10.5 The contractor will provide subject matter experts (SMEs) as requested for field operations software support.

3.11 Hardware System Sustainment Support Objectives Option

3.11.1 The contractor will provide logistics support for the B-2 BLOS hardware equipment (including cables, and connectors) starting with the delivery of the first production kit. For planning purposes, the contractor will provide for two (2), one-year options of logistics support after the delivery of the first production hardware system. The contractor will submit recommendations to resolve issues pertaining to determination of variations, deviations, waivers, and suggested changes to ESC/DIVG with final resolution administered by the Primary Contracting Officer (PCO).

3.11.2 The contractor will recommend replenishment sparing for each year of ICS with ASC/YS at Wright Paterson AFB. The Contractor will implement approved replenishment sparing recommendations.

3.11.3 The Contractor will identify long-lead items in support of hardware sustainment and coordinate a long-lead mitigation plan with ASC/YS at Wright Paterson AFB.

3.11.4 The contractor will provide subject matter experts (SMEs) as requested for field operations hardware support.

Filename: Att_1_B2_BLOS_SOO_9-23-03_redlined_v10.doc
Directory: A:
Template: C:\Documents and Settings\wongj\Application Data\Microsoft\Templates\Normal.dot
Title: STATEMENT OF OBJECTIVES (SOO)
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