

CONTRACT NAS1-98092

The following information has been determined to be exempt from disclosure and has been deleted from the contract and contract modifications if applicable:

- Exhibit B: Subcontract Plan and Subcontracting Goals

The deleted material is exempt from disclosure under 14 C.F.R. 1206.300 (b) (4) which covers trade secrets and commercial or financial information obtained from a person and privileged or confidential. It has been held that commercial or financial matter is "confidential" for purposes of this exemption if its disclosure would be likely to have either of the following effects: (1) impair the Government's ability to obtain necessary information in the future; or (2) cause substantial harm to the competitive position of the person from whom the information was obtained, National Parks and Conservation v. Morton, 498 F2d 765 (D.C. Cir. 1974).

Disclosure of the information in the Subcontracting Plan would discourage future submission of detailed data concerning the company's implementation of their Subcontracting Plan and impair the Government's ability to obtain necessary information in the future as well as cause substantial harm to the competitive position of the company.

- A. The Small and Small Disadvantaged Subcontracting Plan is hereby revised to change the subcontracting percentage goals as a result of changes made to Paragraph 2.0 entitled "Goals". The attached pages replace the existing Paragraph 2.0 entitled "Goals".
- B. All other terms and conditions remain unchanged.

Attachment: 1 page

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGE(S) 1 3
2. AMENDMENT/MODIFICATION NO. <u>2</u>	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199		7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP Code) Sverdrup Technology, Inc. Attn: R. Ward Johnson, Jr. 600 William Northern Boulevard P.O. Box 884 Tullahoma, TN 37388			(<input checked="" type="checkbox"/>)	9A. AMENDMENT OF SOLICITATION NO.
				9B. DATED (SEE ITEM 11)
			(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-98092
				10B. DATED (SEE ITEM 13) April 30, 1998
CODE	FACILITY CODE			

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 one (1) copy 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 DATA 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

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

(<input checked="" 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.
	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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
(X)	Mutual Agreement
	D. OTHER Specify type of modification and authority)

E. IMPORTANT: Contractor is required to sign this document and return 1 copies to the issuing office.

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

The purpose of this modification is to delete clause H.8 entitled "Commercial Computer Software and Systems and make changes to Clause C.1 entitled "Statement of Work – Systems Engineering for Research Facility Integrated Systems (SERFIS)". Therefore, the following changes are made to the contract:

(Continued on Page 2)

(continued)

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 CONTRACTING OFFICER (Type or print) CHARLOTTE T. HARDY, CONTRACTING OFFICER	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED

A. Clause H. 8. Entitled "Commercial Computer Software and Systems" is deleted in its entirety.

B. Clause C.I. entitled "Statement of Work - Systems Engineering for Research Facility Integrated Systems (SERFIS)" is changed by adding the following paragraph:

"9.O Year 2000 Compliance

9.1 Year 2000 compliant," as used herein, means that the information technology (hardware, software and firmware, including embedded systems or any other electro-mechanical or processor-based systems used in accordance with its associated documentation) accurately processes date and date-related data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology, used in combination with the information technology being acquired, properly exchanges date and date-related data with it.

9.2 Any information technology provided, operated and/or maintained under this contract must be Year 2000 compliant. To ensure this result, the Contractor shall provide documentation describing how the IT items or services demonstrate Year 2000 compliance.

The Contractor shall test any information technology items that are provided, operated, and/or maintained under this contract in accordance with the document "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" (Attachment 1 to this modification). Documentation and testing requirements for Year 2000 compliance are based on complexity of the information technology and the risk associated with the IT item Y2K non-compliance. The testing of the IT items shall be determined using a risk-based approach. Risk has been categorized into 3 categories: Low, Medium, and High. A phased testing approach will be used to identify and correct errors. The testing shall be consistent with Attachment 1, considering the risk level, type of system, and Year 2000 date dependency of the IT item. In order to document the Year 2000 testing and compliance, the "NASA Langley Research Center Y2K Compliance Verification Form" (Attachment 2 to this modification) shall be utilized.

Pursuant to subject contract Statement of Work, Paragraph 1.3 Facility Automation Systems, the fourth paragraph states that the Government will furnish EPICS (Experimental Physics and Industrial Control System) software to Contractors for delivery orders requiring its use. The Contractor is not required to make the EPICS development tools or the run-time environment tools Y2K compliant. However, the Contractor's software application that is required as part of a specific delivery order is required to be Y2K compliant.

9.3. Milestones for Renovation, Validation and Implementation: Any IT determined to be non-Year 2000 compliant shall be replaced, retired, or repaired in accordance with the following schedule:

- "Renovation" includes making and documenting software and hardware changes, developing replacement systems, and decommissioning systems to be retired. The Contractor must complete renovation of affected software, hardware and firmware by September 30, 1998.

- "Validation" includes unit, integration, system, and end-to-end testing for Year 2000 compliance. The Contractor must complete validation and testing of converted or replaced systems by January 31, 1999.

- "Implementation" includes acceptance testing and integration of converted and replaced systems into a production environment. The Contractor must complete implementation by March 31, 1999.

9.4. At a minimum, the Contractor shall provide documentation, including project plans and status reports, which demonstrate that the Contractor is meeting the milestones listed above."

Note: (1) "NASA Year 2000 Agency Test and Certification Guidelines and Requirements" document referenced in the above section and attached was developed for NASA's use. This document is provided as a tool for the Contractor to establish the appropriate testing and documentation requirements for Year 2000 compliance.

(2) Attached for your information is the "NASA, Langley Research Center Y2K (Y2000) Compliance Verification Form which will be signed by the Contractor and the Contracting Officer's Technical Representative (COTR). The "Y2K Decision Tree for Documentation and Testing Requirements" form is also attached and can be used to determine the required documentation and testing.

A. All other terms and conditions remain unchanged

Attachments

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGE(S) 1 2

2. AMENDMENT/MODIFICATION NO. 3 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than item 6) CODE

National Aeronautics and Space Administration Langley Research Center Hampton, VA 23681-2199

8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code)

Sverdrup Technology, Inc. 600 William Northern Boulevard P.O. Box 884 Tallahoma, TN 37388

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

X 10A. MODIFICATION OF CONTRACT/ORDER NO. NAS1-98092

10B. DATED (SEE ITEM 13) April 30, 1998

CODE FACILITY CODE

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 one (1) copy 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 DATA 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

NOT APPLICABLE

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

(X) 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. 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 D. OTHER Specify type of modification and authority)

E. IMPORTANT: Contractor is not, x is required to sign this document and return 1 copies to the issuing office.

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

The purpose of this modification is to incorporate two NASA Federal Acquisition Regulation (FAR) Supplement Clauses into the contract.

(continued on Page 2)

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) PAUL SENSMIEER, CONTRACT MANAGER 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBERTA L. HOLLIFIELD 15B. CONTRACTOR/OFFEROR Paul Sensemier (Signature of person authorized to sign) 15C. DATE SIGNED 11/17/00 16B. UNITED STATES OF AMERICA BY Roberta Hollifield (Signature of Contracting Officer) 16C. DATE SIGNED 11/17/2000

NAS1- 98092

Modification Number 3

Page 2 of 2

1. **SECTION 1** entitled "CONTRACT CLAUSES" is hereby amended to add the following clauses to Subsection 1.2 entitled "CLAUSES IN FULL TEXT":
 - A. **1852.204-76, Security Requirement for Unclassified Information Technology Resources (July 2000).**
Note: The Government does not require the security implementation plan described in paragraph (j) of the clause.
 - B. **1852.223-75, Major Breach of Safety or Security (July 2000).**
2. **All other terms and conditions remain unchanged.**