

|   |               |   |                           |   |  |
|---|---------------|---|---------------------------|---|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |               |   | 1. CONTRACT ID CODE<br>12 | PAGE OF PAGES<br>1   3                                |  |
| 2. AMENDMENT/MODIFICATION NO.<br>72   |               | 3. EFFECTIVE DATE<br>November 19, 1999  |                           | 4. REQUISITION/PURCHASE REQ. NO.<br>See Page 1.a      |  |
| 5. PROJECT NO. (If applicable)  |               |   |                           |   |  |
| 6. ISSUED BY<br>PS22<br>Procurement Office<br>George C. Marshall Space Flight Center<br>National Aeronautics and Space Administration<br>Marshall Space Flight Center, AL 35812 |               | 7. ADMINISTERED BY (If other than Item 6)<br>MSFC Adm: PS22-N/Sandra Presnell<br>256-544-0318 |                           | CODE  |  |
| 6. ISSUED BY CODE<br>PS22   |               | 7. ADMINISTERED BY CODE   |                           | AUTOMATED INVOICE PAYMENT INFORMATION: (256) 544-5566 |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)<br><br>Sverdrup Technology, Inc.<br>MSFC Group<br>620 Discovery Drive<br>Huntsville, AL 35806      |               |   | (✓)                       | 9A. AMENDMENT OF SOLICITATION NO.                     |  |
|   |               |   |                           | 9B. DATED (SEE ITEM 11)                               |  |
|   |               |   | X                         | 10A. MODIFICATION OF CONTRACT/ORDER NO.<br>NAS8-40836 |  |
|   |               |   |                           | 10B. DATED (SEE ITEM 13)<br>02/26/96                  |  |
| CODE<br>14671   | FACILITY CODE |   |                           |   |  |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |               |   |                           |   |  |

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 Page 1.a

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

|     |   |
|-----|---|
| (✓) | 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 FAR 43.103(a)(3) and mutual agreement of the parties  |
|     | D. OTHER (Specify type of modification and authority)   |

**E. IMPORTANT:** Contractor is not, is required to sign this document and return 3 copies to the issuing office.

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

|           | Negotiated        | Prov.              | Total             | Earned      | Potential        | Total             | Total Sum      |
|-----------|-------------------|--------------------|-------------------|-------------|------------------|-------------------|----------------|
|           | Est. Cost         | Est. Cost          | Est. Cost         | Award Fee   | Award Fee        | Contract Value    | Allotted       |
| Previous  | \$64,645,949      | \$1,843,517        | \$66,489,466      | \$2,623,509 | \$878,039        | \$69,991,014      | \$65,125,865   |
| This Mod  | <u>14,685,875</u> | <u>(1,843,517)</u> | <u>12,842,358</u> | <u>0</u>    | <u>1,028,011</u> | <u>13,870,369</u> | <u>693,438</u> |
| New Total | \$79,331,824      | \$ 0               | \$79,331,824      | \$2,623,509 | \$1,906,050      | \$83,861,383      | \$65,819,303   |

See Page 2 for description.

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)<br><br>Neil W. Haars, Vice President & General Manager |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br><br>Byron W. Butler |  |
| 15B. CONTRACTOR/OFFEROR<br><br>(Signature of person authorized to sign)                              |  | 16B. UNITED STATES OF AMERICA<br><br>BY (Signature of Contracting Officer)        |  |
| 15C. DATE SIGNED<br><br>November 19, 1999  |  | 16C. DATE SIGNED<br><br>November 19, 1999   |  |

The purpose of this modification is to increase the current level-of-effort and to provide incremental funding pursuant to the "Limitation of Funds" clause and the Contractor's letter dated November 17, 1999. The contract is hereby changed in the following particulars:

1. Clause B.2 Estimated Cost and Award Fee (1852.216-85) (Sep 1993), paragraphs (a) and (b) are hereby deleted in their entirety and replaced as follows:

"B.2 ESTIMATED COST AND AWARD FEE (1852.216-85) (SEP 1993)

(a) The estimated cost of this contract is \$79,331,824. The maximum available award fee, excluding base fee, if any, is \$5,208,779. The base fee is \$-0-. Total estimated cost, base fee, and maximum award fee are \$84,540,603.

(b) Breakout of contract cost and fees is as follows:

| <u>Period Covered</u> | <u>Estimated Cost</u> | <u>Provisional Est. Cost</u> | <u>Base Fee</u> | <u>Maximum Award Fee</u> | <u>Total Contract Value</u> |
|-----------------------|-----------------------|------------------------------|-----------------|--------------------------|-----------------------------|
| 02/26/96 - 02/25/97   | \$10,747,495          | \$-0-                        | \$-0-           | \$736,747                | \$11,484,242                |
| 02/26/97 - 02/25/98   | \$12,353,873          | \$-0-                        | \$-0-           | \$792,640                | \$13,146,513                |
| 02/26/98 - 02/25/99   | \$27,141,166          | \$-0-                        | \$-0-           | \$1,773,342              | \$28,914,508                |
| 02/26/99 - 02/25/00   | \$29,089,290          | \$-0-                        | \$-0-           | \$1,906,050              | \$30,995,340                |

Breakout of earned award fee is as follows:

| <u>Period Covered</u> | <u>Earned Award Fee</u> |
|-----------------------|-------------------------|
| 2/26/96 - 8/31/96     | \$295,362               |
| 9/01/96 - 2/25/97     | \$350,207               |
| 2/26/97 - 2/25/98     | \$771,239               |
| 2/25/98 - 2/25/99     | \$1,206,701"            |

2. Clause B.3 Level-of-Effort (Cost) 18-52.216-82 (Dec 1991), paragraph (a) is hereby deleted in its entirety and replaced as follows:

"B.3 Level-of-Effort (Cost)

(a) During the term of the contract, the Contractor is obligated to provide not less than 296,149 or more than 608,736 total direct labor hours. If the Government elects to exercise any of the options identified in Clause B.2 Estimated Cost and Award Fee, the Contractor is obligated to provide the direct labor hours specified below for the applicable option.

| <u>Option No.</u> | <u>Minimum Number of Hours</u> | <u>Maximum Number of Hours</u> |
|-------------------|--------------------------------|--------------------------------|
| 1                 | 294,882                        | 310,402                        |
| 2                 | 296,149                        | 550,540                        |
| 3                 | 296,149                        | 608,736*                       |
| 4                 | 297,418                        | 313,072                        |
| C1                | 72,403                         | 76,214                         |
| C2a               | 37,500                         | 39,477                         |
| C2b               | 34,593                         | 36,411                         |
| C3                | 72,403                         | 76,214                         |
| C4                | 72,403                         | 76,214                         |
| C5                | 72,713                         | 76,541"                        |

\*Includes increase of 297,000 hours.

3. Clause B.6 CONTRACT FUNDING (1852.232-81) (JUN 1990) is hereby deleted in its entirety and the following is substituted in lieu thereof:

“B.6 CONTRACT FUNDING (1852.232-81) (JUN 1990)

(a) For the purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$62,636,865. This allotment is for Science and Engineering Services for MSFC and covers the following estimated period of performance: February 26, 1996, through January 4, 2000.

(b) An additional amount of \$3,182,438 is obligated under this contract for payment of fee.

(c) Recapitulation of funding is as follows:

|                       | <u>Previous</u>  | <u>This Action</u> | <u>Total</u>     |
|-----------------------|------------------|--------------------|------------------|
| Estimated Cost        | \$61,943,427     | \$693,438          | \$62,636,865     |
| Provisional Award Fee | 558,929          | 0                  | 558,929          |
| Award Fee Earned      | <u>2,623,509</u> | <u>0</u>           | <u>2,623,509</u> |
| Total Sum Allotted    | \$65,125,865     | \$693,438          | \$65,819,303     |

(End of clause)”



Standard Form 30 Continued

| <u>DCN</u>       | <u>Program Code</u>              | <u>Appropriation</u> | <u>Amount</u> |
|------------------|----------------------------------|----------------------|---------------|
| 1-9-ED-C4532(1F) | 953-36-00-S651-ED-9-00M-335-2550 | 809/00111            | \$ 0          |
| 1-0-S4-C6038(1F) | 398-30-15-M145-S4-0-002-000-2550 | 800/10111            | 97,736        |
| 1-0-S4-C6034(1F) | 398-30-52-M145-S4-0-002-000-2550 | 800/10111            | 89,436        |
| 1-0-S4-C6045(1F) | 398-30-03-M145-S4-0-002-000-2550 | 800/10111            | 20,516        |
| 1-0-T5-C5929(1F) | 242-34-ZT-M145-T5-0-00S-335-2550 | 800/10110            | 435,000       |
| 1-0-T3-C5914(1F) | 242-36-20-M145-RA-9-00S-335-2550 | 809/00110            | 20,000        |
| 1-0-E1-C5840(1F) | 258-20-00-M145-ED-9-00S-300-2550 | 809/00110            | 15,750        |
| 1-9-T4-C5767(1F) | 632-60-30-M145-T4-9-00S-381-2550 | 809/00110            | 5,000         |
| 1-9-ED-C5693(1F) | 260-10-01-M145-EB-9-72M-300-2550 | 809/00111            | <u>10,000</u> |
|                  |                                  | Total                | \$693,438     |