

**AWARD/CONTRACT** 1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) RATING PAGE OF PAGES  
 2. CONTRACT (Proc. Inst. Ident.) NO: **NNA08AF30B** 3. EFFECTIVE DATE **8/19/08** 4. REQUISITION/PURCHASE REQUEST/PROJECT NO. **4200266315**

5. ISSUED BY **NASA Ames Research Center** CODE **ATTN: AnJennette C. Rodriguez, M/S 213-13**  
**Moffett Field, CA 94035-1000** 6. ADMINISTERED BY (If other than Item 5) CODE **NASA Ames Research Center**  
**ATTN: AnJennette C. Rodriguez, M/S 213-13**  
**Moffett Field, CA 94035-1000**

7. NAME AND ADDRESS OF CONTRACTOR **ASRC Research and Technology Solutions**  
**6303 Lvy Lane, Suite 130**  
**Greenbelt, MD 20770** 8. DELIVERY  FOB ORIGIN  OTHER (See below)  
 9. DISCOUNT FOR PROMPT PAYMENT **NT30**

10. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN ITEM **G.2**  
 11. SHIP TO/MARK FOR CODE **NASA Ames Research Center**  
**Code RE**  
**Moffett Field, CA 94035-1000** 12. PAYMENT WILL BE MADE BY CODE **NASA Shared Services Center (NSSC)**  
**Financial Management Division-Accounts Payable**  
**Bldg. 111, C Road, Stennis Space Center, MS 39529**

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:  
 10 USC 2304(c) ( )  10 USC 253(c) ( ) 14. ACCOUNTING AND APPROPRIATION DATA

15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
1	Engineering, Design, and Fabrication Services	1	JOB		
15G. TOTAL AMOUNT OF CONTRACT					

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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 1 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein (Attachments are listed herein.)

18. AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award obviates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) the award/contract. No further contractual document is necessary.

19A. NAME AND TITLE OF SIGNER (Type or print) **[Redacted]** 20A. NAME OF CONTRACTING OFFICER **Jill Willard**  
 19B. NAME OF CONTRACTOR **[Redacted]** 19C. DATE SIGNED **8/19/08** 20B. UNITED STATES OF AMERICA **[Redacted]** 20C. DATE SIGNED **8/19/08**  
 BY **[Redacted]** BY **Jill Willard**  
 (Signature of Person Authorized to Sign) (Signature of Contracting Officer)

AUTHORIZED FOR LOCAL REPRODUCTION  
 Previous edition is usable

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[END OF SECTION]

**SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS**

**B.1. SUPPLIES/SERVICES TO BE PROVIDED**

(a) The contractor shall provide all resources (except as may be expressly stated in this contract as furnished by the Government) necessary to furnish the items below in accordance with the Description/Specification/Work Statement set forth in Section C and as identified under individual task orders.

1. Item No.	2. Description	3. Qty	4. Unit	5. Cost
*01A	Phase-In Period set forth in Section F, paragraph F.2(a).	1	Job	\$ <u>0.00</u>
01B	Engineering, Design, and Fabrication Services, in accordance with Section C, Statement of Work, for the period set forth in F.2(a).	TBD	Task Orders	TBD

\*Line Item No. 01A: At the time of award a Phase-In Task will be awarded.

**(b) OPTION PERIODS:**

If Option Periods are exercised pursuant to Clause 52.217-9, "Option to Extend the Term of the Contract," the contractor shall provide all resources (except as may be expressly stated in this contract as furnished by the Government) necessary to furnish the items below in accordance with the Description/Specifications/Work Statement in Section C and as identified under individual task orders.

1. Item No.	2. Description	3. Qty	4. Unit
<b>OPTION PERIOD 1</b>			
02	Engineering, Design, and Fabrication Services, in accordance with Section C, Statement of Work, for the period set forth in F.2(b).	TBD	Task Orders
<b>OPTION PERIOD 2</b>			
03	Engineering, Design, and Fabrication Services, in accordance with Section C, Statement of Work, for the period set forth in F.2(c).	TBD	Task Orders
<b>OPTION PERIOD 3</b>			
04	Engineering, Design, and Fabrication Services, in accordance with Section C, Statement of Work, for the period set forth in F.2(d).	TBD	Task Orders

OPTION PERIOD 4			
05	Engineering, Design, and Fabrication Services, in accordance with Section C, Statement of Work, for the period set forth in F.2(e).	TBD	Task Orders

(END OF CLAUSE)

### B. 2 MINIMUM/MAXIMUM AMOUNT OF SUPPLIES OR SERVICES (COST REIMBURSEMENT)

(a) The minimum amount of supplies or services that shall be ordered during the effective period of this contract is \$100,000 (Estimated Cost and Fixed Fee). The maximum amount of supplies or services that may be ordered during the effective period of this contract is [REDACTED] (Estimated Cost and Fixed Fee). All orders placed under this contract will be applied to the minimum and maximum specified in this paragraph.

*OK*

(b) The minimum amount is reached when the sum of the dollar amounts of all ordered supplies or services, except for any adjustments made pursuant to the Limitation of Cost or Limitation of Funds clause, equals or exceeds the minimum amount stated in paragraph (a).

(c) The maximum amount is reached when the sum of the dollar amounts of all ordered supplies or services, except for any adjustments made pursuant to the Limitation of Cost or Limitation of Funds clause, equals the maximum amount stated in paragraph (a).

(d) The maximum amount, if reached, precludes the issuance of further orders for supplies or services under this contract. However, reaching the maximum amount does not preclude adjustments to the dollar amounts of existing placed orders, for actions that are within the scope of the placed orders, and which are made pursuant to existing contract authority, such as the Changes clause.

(e) The maximum amount may be adjusted unilaterally by the Government on an annual basis. Historic, current, and/or projected workload requirements will be used to determine the amount of upward adjustment. In no event will the adjusted maximum amount exceed 10% of the original maximum amount.

(END OF CLAUSE)

### B. 3 SUPPLEMENTAL TASK ORDERING PROCEDURES (COST REIMBURSEMENT)

(a) When the Government issues a request for a "task plan" to the Contractor in accordance with the Clause entitled "Task Ordering Procedure" of this contract, the Contractor shall prepare its estimate of the labor hours, labor categories, indirect costs, and other direct costs required to perform the task order requirements. The Contractor shall use only those appropriate labor and indirect cost rates, which may be less than but shall not exceed the rates found in Attachment 8, to calculate the proposed estimated costs for all task orders issued in accordance with the "Task Ordering

Procedure" clause of this contract. Notwithstanding the use of the rates set forth in Attachment 9 for estimating purposes, the Contractor will be reimbursed costs based on their current DCAA approved rates subject to audit by the Government. Indirect rates are subject to the ceiling limits set forth in Clause B.4.

(b) The Contractor's proposed approach/pricing of the representative tasks set forth in its proposal, if required, for award of this contract shall be used as reference by the Contracting Officer in negotiating tasks with the Contractor which are issued under this contract, but only to the extent portions of a representative task are relevant to portions of a task actually issued.

(c) The Government and Contractor agree that the fixed fee percentage specified in Attachment 8 shall be used to calculate the fixed fee dollars on all task orders issued in accordance with the "Task Ordering Procedure" clause of this contract. For task orders under this contract, the fixed fee amount associated with the task order shall be the fixed fee percentage applied and calculated on the total negotiated, estimated cost of direct labor.

(END OF CLAUSE)

**B. 4 LIMITATION OF INDIRECT COSTS**

a. Within each of the Contractor's fiscal years, the Contractor shall not charge or be reimbursed by the Government, under this or any other Government contract, for indirect costs in excess of the individual indirect expense dollars derived by the application of the following indirect cost ceiling rates to the appropriate base(s) set forth below.

<u>Indirect Cost</u>	Dollar per Labor Hour or Percentage				
	<u>Base Period</u>	<u>Option Year 1</u>	<u>Option Year 2</u>	<u>Option Year 3</u>	<u>Option Year 4</u>
M&A Labor	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
M&A ODC	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Fringe Benefits	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Client Site	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Overhead (onsite)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Material & Handling	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
G&A	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

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b. The limitations may be adjusted at the discretion of the Contracting Officer to the extent that increases to the Contractor's indirect costs are caused by:

(i) New or revised statutes and court decisions and/or written ruling or regulation by the Internal Revenue Service or any other taxing authority.

(ii) Wage determinations and/or regulations issued by the Department of Labor pursuant to the Service Contract Act of 1965, as amended.

c. A proposal for any adjustment under paragraph (b) must be in sufficient detail to

establish that the cause of the amount of adjustment requested was solely due to the permitted conditions stated in the paragraph. It must be submitted no later than 60 days after the condition(s) become known, or should have become known, to the Contractor. The amount of adjustment, if any, is at the discretion of the Contracting Officer and shall not be subject to the Disputes clause.

(END OF CLAUSE)

**B. 5 ESTIMATED COST INCREASES**

(a) The Contractor shall notify the Contracting Officer in writing when the Contractor has reason to believe that the total cost for performance of this contract, or any individual task order, exclusive of any fee, will be either greater or substantially less than the total estimated cost stated in this contract or in the task order. Notification shall not be delayed pending preparation of a proposal.

(b) A proposal is required to support a request for an increase in the estimated cost of the contract or the task order. The proposal should be submitted as soon as possible after the above notification but no later than 115 days before the incurred costs are expected to exceed the estimated cost. This will allow adequate time for the Government to evaluate the proposal and to mutually establish any increase in estimated cost with the Contractor.

(c) (1) The proposal shall be submitted in the following format unless some other format is directed or approved by the Contracting Officer:

Incurring costs to date  
Projected cost to completion  
Total cost at completion  
Current negotiated estimated cost  
Requested increase in estimated cost

(2) The "projected cost to completion" shall consist of the following "cost or pricing data" unless the Contracting Officer requests or approves the submittal of a greater or lesser amount of information:

(i) Elements of cost with supporting detail for estimated direct labor hours, direct and indirect rates, materials and subcontracts, and other elements.

(ii) Supporting explanation for the increases and projections, sufficient for the Government to understand the reasons for the increased estimated cost.

(END OF CLAUSE)

**B.6 ESTIMATED COST AND FIXED FEE (18-52.216-74) (DECEMBER 1991)**

The estimated cost of this contract is to be negotiated by task order exclusive of the fixed fee to be negotiated by task order. The total estimated cost and fixed fee is to be negotiated by task order.

(END OF CLAUSE)

**B.7 CONTRACT FUNDING (1852.232-81) (JUN 1990)**

b-4 (a) For 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 [REDACTED]. This allotment is for costs and covers the following estimated period of performance: August 19, 2008 to September 30, 2008.

(b) An additional amount of [REDACTED] is obligated under this contract for payment of fee.

SUMMARY OF CONTRACT FUNDING	FROM	BY	TO
Cost	\$0.00	[REDACTED]	[REDACTED]
Fixed Fee	\$0.00	[REDACTED]	[REDACTED]
Total Cost Plus Fixed Fee	\$0.00	[REDACTED]	[REDACTED]

b-4

(END OF CLAUSE)

**B.8. LIMITATIONS ON PERIOD OF PERFORMANCE**

The period of performance for issuing task orders under this contract is for one year from the effective date of the contract. This contract also includes four one-year options for additional ordering periods if exercised by the Government. Each individual task order will include its own period of performance.

(END OF CLAUSE)

[END OF SECTION]

**SECTION C — DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

**C.1. STATEMENT OF WORK (ARC 52.211-93) (FEB 1997)**

- (a) The Contractor shall provide the item or services specified in Section B in accordance with the following: all personnel, services, equipment, materials, and facilities and do all other things necessary for, or incidental to performance of the requirements set forth herein.
- (b) Work shall be accomplished in accordance with the Statement of Work dated May 13, 2008, entitled "Engineering, Design, and Fabrication Services" incorporated in Section J as Attachment 1.

(END OF CLAUSE)

[END OF SECTION]

**SECTION D - PACKAGING AND MARKING****D. 1. LISTING OF CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2)  
(FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.htm>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
--------------------------	-------------	--------------

Notice: None included by reference

**II. NASA FAR SUPPLEMENT (48 CFD CHAPTER 18) CLAUSES**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
1852.211-70	SEP 2005	PACKAGING, HANDLING, AND TRANSPORTATION

(END OF CLAUSE)

[END OF SECTION]

## SECTION E — INSPECTION AND ACCEPTANCE

### E. 1. LISTING OF CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.html>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

#### I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
52.246-3	MAY 2001	INSPECTION OF SUPPLIES - COST-REIMBURSEMENT
52.246-5	APR 1984	INSPECTION OF SERVICES - COST-REIMBURSEMENT

#### II. NASA FAR SUPPLEMENT (48 CFD CHAPTER 18) CLAUSES

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>

NOTICE: None included by reference.

(END OF CLAUSE)

### E.2. MATERIAL INSPECTION AND RECEIVING REPORT (NFS 1852.246-72) (AUG 2003)

(a) At the time of each delivery to the Government under this contract, the Contractor shall furnish a Material Inspection and Receiving Report (DD Form 250 series) prepared in Word copies, an original and 4 copies.

(b) The Contractor shall prepare the DD Form 250 in accordance with NASA FAR Supplement 1846.6. The Contractor shall enclose the copies of the DD Form 250 in the package or seal them in a waterproof envelope, which shall be securely attached to the exterior of the package in the most protected location.

(c) When more than one package is involved in a shipment, the Contractor shall list on the DD Form 250, as additional information, the quantity of packages and the package numbers. The Contractor shall forward the DD Form 250 with the lowest numbered package of the shipment and print the words "CONTAINS DD FORM 250" on the package.

(END OF CLAUSE)

[END OF SECTION]

**SECTION F — DELIVERIES OR PERFORMANCE****F. 1. LISTING OF CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2)  
(FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.html>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
52.242-15	AUG 1989	STOP WORK ORDER (ALT I) (APR 1984)
52.247-34	NOV 1991	F.O.B. DESTINATION

**II. NASA FAR SUPPLEMENT (48 CFD CHAPTER 18) CLAUSES**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>

NOTICE: None included by reference.

(END OF CLAUSE)

**F.2. PERIOD OF PERFORMANCE**

The performance period for issuing task orders under this contract is set forth below. Each individual task order will include its own period of performance.

(a) Base Period: The base period of performance of this contract shall be from August 19, 2008 through August 18, 2009 and includes a 60-day phase-in.

(b) First Option Year: If exercised, the period of performance of the first option of this contract shall be from August 19, 2009 through August 18, 2010.

(c) Second Option Period; if exercised, the period of performance of the second option of this contract shall be from August 19, 2010, through August 18, 2011.

(d) Third Option Period: If exercised, the period of performance of the second option of this contract shall be from August 19, 2011 through August 18, 2012.

(e) Forth Option Period: If exercised, the period of performance of the second option of this contract shall be from August 19, 2012 through August 18, 2013.

(END OF CLAUSE)

**F.3. DELIVERY SCHEDULE**

(a) The Contractor shall deliver the supplies and services as required by this contract and the individual task orders.

(b) Unless specified otherwise, all items shall be delivered to:

Ames Research Center  
Marked For: **Contract: NNA08AF30B**  
Moffett Field, CA 94035-1000  
Deliver To: **John Doherty, M/S 213-13**

(c) All reports and documentation shall be mailed in accordance with Paragraph F.4, *Delivery of Reports*.

(END OF CLAUSE)

**F. 4. DELIVERY OF REPORTS**

Unless otherwise specified, all reports as specified in Attachment 5, (Data Requirements List), shall be addressed to NASA-Ames Research Center, Moffett Field, CA 94035-1000, marked with the contract number, to the attention of the listed recipients. A copy of the transmittal letter for each report shall be forwarded to the Contracting Officer. The Contractor shall include a completed Report Documentation Page (SF 298) as the final page of each report submitted.

In addition, a master and one copy of the required research report, as directed by task order, shall be sent to the following address. A copy of the transmittal letter for each research (CASI) report shall also be forwarded to the Contracting Officer.

Center for Aerospace Information (CASI)  
Attn: Document Processing Section  
7121 Standard Drive  
Hanover, Maryland 21076-1320  
Phone: 301-621-0390  
FAX: 301-621-0134

The following URL contains many of the Government forms required by this contract. The formats are either "informed filler" or rtf.

<http://server-mpo.arc.nasa.gov/Services/Proc/ProcDocs/FormList.taf?function=search&sort=tye>

(END OF CLAUSE)

**F.5. PLACE OF PERFORMANCE — SERVICES**

The Contractor shall perform the work under this contract at NASA Ames Research Center, and at such other locations as directed by the Ames Research Center Contracting Officer.

(END OF CLAUSE)

**F.6. NOTICE OF DELAY (ARC 52.249-90) (FEB 1997)**

If, because of technical difficulties, the Contractor becomes unable to complete the contract work at the time specified, notwithstanding the exercise of good faith and diligent efforts in performing the work called for under this contract, the Contractor shall give the Contracting Officer written notice of the anticipated delay and the reasons for it. The notice and reasons shall be delivered promptly after the condition creating the anticipated delay becomes known to the Contractor but in no event less than 45 days before the completion date specified in this contract, unless otherwise permitted by the Contracting Officer. When notice is given, the Contracting Officer may extend the time specified in the schedule for such period as is deemed advisable.

(END OF CLAUSE)

[END OF SECTION]

**SECTION G — CONTRACT ADMINISTRATION DATA**

**G. 1. LISTING OF CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.html>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
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NOTICE: None included by reference.

**II. NASA FAR SUPPLEMENT (48 CFD CHAPTER 18) CLAUSES**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
1852.242-71	DEC 1988	TRAVEL OUTSIDE OF THE UNITED STATES
1852.242-73	NOV 2004	NASA CONTRACTOR FINANCIAL MANAGEMENT REPORTING

(END OF CLAUSE)

**G.2. SUBMISSION OF VOUCHERS FOR PAYMENT (NFS 1852.216-87) (MAR 1998)**

(a) The designated billing office for cost vouchers for purposes of the Prompt Payment clause of this contract is indicated below. Public vouchers for payment of costs shall include a reference to the number of this contract.

(b) If the contractor is authorized to submit interim cost vouchers directly to the NASA paying office, the original voucher should be submitted to:

NASA Shared Services Center (NSSC)

Financial Management Division – Accounts Payable  
Bldg 111, C. Road  
Stennis Space Center, MS 39529  
Email: NSSC-AccountsPayable@nasa.gov  
Fax: 866-209-5415

(2) For any period that the Defense Contract Audit Agency has authorized the Contractor to submit interim cost vouchers directly to the Government paying office, interim vouchers are not required to be sent to the Auditor, and are considered to be provisionally approved for payment, subject to final audit.

(3) Copies of vouchers should be submitted as directed by the Contracting Officer.

(c) If the contractor is not authorized to submit interim cost vouchers directly to the paying office as described in paragraph (b), the contractor shall prepare and submit vouchers as follows:

(1) One original Standard Form (SF) 1034, SF 1035, or equivalent Contractor's attachment to:

NASA Shared Services Center (NSSC)  
Financial Management Division – Accounts Payable  
Bldg 111, C. Road  
Stennis Space Center, MS 39529  
Email: NSSC-AccountsPayable@nasa.gov  
Fax: 866-209-5415

(2) Five copies of SF 1034, SF 1035A, or equivalent Contractor's attachment to the following offices by insertion in the memorandum block of their names and addresses:

- (i) Copy 1 NASA Contracting Officer
- (ii) Copy 2 Auditor
- (iii) Copy 3 Contractor
- (iv) Copy 4 Contract administration office; and
- (v) Copy 5 Project management office.

(3) The Contracting Officer may designate other recipients as required.

(d) Public vouchers for payment of fee shall be prepared similarly to the procedures in paragraphs (b) or (c) of this clause, whichever is applicable, and be forwarded to:

NASA Shared Services Center (NSSC)  
 Financial Management Division – Accounts Payable  
 Bldg 111, C. Road  
 Stennis Space Center, MS 39529  
 Email: [NSSC-AccountsPayable@nasa.gov](mailto:NSSC-AccountsPayable@nasa.gov)  
 Fax: 866-209-5415

This is the designated billing office for fee vouchers for purposes of the Prompt Payment clause of this contract.

(e) In the event that amounts are withheld from payment in accordance with provisions of this contract, a separate voucher for the amount withheld will be required before payment for that amount may be made.

(END OF CLAUSE)

**G. 3. DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND PATENT REPRESENTATIVE (NFS 1852.227-72) (JUL 1997)**

For purposes of administration of the clause of this contract entitled "New Technology" or "Patent Rights—Retention by the Contractor (Short Form)," whichever is included, the following named representatives are hereby designated by the Contracting Officer to administer such clause:

TITLE	OFFICE CODE	ADDRESS (INCLUDING ZIP CODE)
New Technology Representative	VP	NASA Ames Research Center M/S 202A-3 Moffett Field, CA 94035-1000
Patent Representative	DL	NASA Ames Research Center M/S 202A-4 Moffett Field, CA 94035-1000

Reports of reportable items, and disclosure of subject inventions, interim reports, final reports, utilization reports, and other reports required by the clause, as well as any correspondence with respect to such matters, should be directed to the New Technology Representative unless transmitted in response to correspondence or request from the Patent Representative. Inquiries or requests regarding disposition of rights, election of rights, or related matters should be directed to the Patent Representative. This clause shall be included in any subcontract hereunder requiring a "New Technology" clause or "Patent Rights—Retention by the Contractor (Short Form)" clause, unless otherwise authorized or directed by the Contracting Officer.

The respective responsibilities and authorities of the above-named representatives are set forth in 1827.305-370 of the NASA FAR Supplement.

(END OF CLAUSE)

**G.4. TECHNICAL DIRECTION (NFS 1852.242-70) (SEP 1993)**

(a) Performance of the work under this contract is subject to the written technical direction of the Contracting Officer Technical Representative (COTR), who shall be specifically appointed by the Contracting Officer in writing in accordance with NASA FAR Supplement 1842.270. "Technical direction" means a directive to the Contractor that approves approaches, solutions, designs, or refinements; fills in details or otherwise completes the general description of work or documentation items; shifts emphasis among work areas or tasks; or furnishes similar instruction to the Contractor. Technical direction includes requiring studies and pursuit of certain lines of inquiry regarding matters within the general tasks and requirements in Section C of this contract.

(b) The COTR does not have the authority to, and shall not, issue any instruction purporting to be technical direction that —

(1) Constitutes an assignment of additional work outside the statement of work;

(2) Constitutes a change as defined in the changes clause;

(3) Constitutes a basis for any increase or decrease in the total estimated contract cost, the fixed fee (if any), or the time required for contract performance;

(4) Changes any of the expressed terms, conditions, or specifications of the contract; or

(5) Interferes with the contractor's rights to perform the terms and conditions of the contract.

(c) All technical direction shall be issued in writing by the COTR.

(d) The Contractor shall proceed promptly with the performance of technical direction duly issued by the COTR in the manner prescribed by this clause and within the COTR's authority. If, in the Contractor's opinion, any instruction or direction by the COTR falls within any of the categories defined in paragraph (b) of this clause, the Contractor shall not proceed but shall notify the Contracting Officer in writing within 5 working days after receiving it and shall request the Contracting Officer to take action as described in this clause. Upon receiving this notification, the Contracting Officer shall either issue an appropriate contract modification within a reasonable time or advise the Contractor in writing within 30 days that the instruction or direction is —

(1) Rescinded in its entirety; or

(2) Within the requirements of the contract and does not constitute a change under the changes clause of the contract, and that the Contractor should proceed promptly with its performance.

(e) A failure of the contractor and contracting officer to agree that the instruction or direction is both within the requirements of the contract and does not constitute a change under the changes clause, or a failure to agree upon the contract action to be taken with respect to the instruction or direction, shall be subject to the Disputes clause of this contract.

(f) Any action(s) taken by the contractor in response to any direction given by any person other than the Contracting Officer or the COTR shall be at the Contractor's risk.

(END OF CLAUSE)

**G.5. CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED PROPERTY  
(NFS 1852.245-70) (DEVIATION) (SEP 2007)**

(a) The Contractor shall provide all property required for the performance of this contract. The Contractor shall not acquire or construct items of property to which the Government will have title under the provisions of this contract without the Contracting Officer's written authorization. Property which will be acquired as a deliverable end item as material or as a component for incorporation into a deliverable end item is exempt from this requirement.

(b)(1) In the event the Contractor is unable to provide the property necessary for performance, and the Contractor requests provision of property by the Government, the Contractor's request shall—

(i) Justify the need for the property;

(ii) Provide the reasons why contractor-owned property cannot be used;

(iii) Describe the property in sufficient detail to enable the Government to screen its inventories for available property or to otherwise acquire property, including applicable manufacturer, model, part, catalog, National Stock Number or other pertinent identifiers;

(iv) Combine requests for quantities of items with identical descriptions and estimated values when the estimated values do not exceed \$100,000 per unit; and

(v) Include only a single unit when the acquisition or construction value equals or exceeds \$100,000.

(2) Contracting Officer Authorization is required for items the Contractor intends to manufacture as well as those it intends to purchase.

(3) The Contractor shall submit requests to the Contracting Officer no less than 30 days in advance of the date the Contractor would, should it receive authorization, acquire or begin fabrication of the item.

(c) The Contractor shall maintain copies of Contracting Officer authorizations, appropriately cross-referenced to the individual property record, within its property management system.

(d) Property furnished from Government excess sources is provided as-is, where-is. The Government makes no warranty regarding its applicability for performance of the contract or its ability to operate. Failure of property obtained from Government excess sources under this clause is insufficient reason for submission of requests for equitable adjustments discussed in the clause at 52.245-1, Government Property.

(END OF CLAUSE)

**G.6. INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY  
(NFS 1852.245-71) (DEVIATION) (SEP 2007)**

The Government property described in paragraph (c) of this clause may be made available to the Contractor on a no-charge basis for use in performance of this contract. This property shall be utilized only within the physical confines of the NASA installation that provided the property unless authorized by the contracting officer under (b)(1)(iv). Under this clause, the Government retains accountability for, and title to, the property, and the Contractor shall comply with the following:

NASA Procedural Requirements (NPR) 4100.1, NASA Materials Inventory Management Manual

NASA Procedural Requirements (NPR) 4200.1, NASA Equipment Management Procedural Requirements

NASA Procedural Requirement (NPR) 4300.1, NASA Personal Property Disposal Procedural Requirements

Property not recorded in NASA property systems must be managed in accordance with the requirements of FAR 52.245-1.

The Contractor shall establish and adhere to a system of written procedures to assure continued, effective management control and compliance with these user responsibilities. Such procedures must include holding employees liable, when appropriate, for loss, damage, or destruction of Government property.

(b)(1) The official accountable recordkeeping, financial control, and reporting of the property subject to this clause shall be retained by the Government and accomplished within NASA management information systems prescribed by the installation Supply and Equipment Management Officer (SEMO) and Financial Management Officer. If this contract provides for the Contractor to acquire property, title to which will vest in the Government, the following additional procedures apply:

(i) The Contractor's purchase order shall require the vendor to deliver the property to the installation central receiving area.

(ii) The Contractor shall furnish a copy of each purchase order, prior to delivery by the vendor, to the installation central receiving area.

(iii) The Contractor shall establish a record of the property as required by FAR 52.245-1, Government Property, and furnish to the Industrial Property Officer a DD Form 1149, Requisition and Invoice/Shipping Document, (or installation equivalent) to transfer accountability to the Government within 5 working days after receipt of the property by the Contractor. The Contractor is accountable for all contractor-acquired property until the property is transferred to the Government's accountability.

(iv) Contractor use of Government property at an off-site location and off-site subcontractor use require advance approval of the Contracting Officer and notification of the Industrial Property Officer. The property shall be considered Government furnished and the Contractor shall assume accountability and financial reporting responsibility. The Contractor shall establish records and property control procedures and maintain the property in accordance with the requirements of FAR 52.245-1, Government Property, until its return to the installation. NASA Procedural Requirements related to property loans shall not apply to offsite use of property by contractors.

(2) After transfer of accountability to the Government, the Contractor shall continue to maintain such internal records as are necessary to execute the user responsibilities identified in paragraph (a) of this clause and document the acquisition, billing, and disposition of the property. These records and supporting documentation shall be made available, upon request, to the SEMO and any other authorized representatives of the Contracting Officer.

(c) The following property and services are provided if checked.

(1) Office space, work area space, and utilities. Government telephones are available for official purposes only.

(2) Office furniture.

(3) Property listed in Attachment 4.

(i) If the Contractor acquires property, title to which vests in the Government pursuant to other provisions of this contract, this property also shall become accountable to the Government upon its entry into Government records.

(ii) The Contractor shall not bring to the installation for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.

- (4) Supplies from stores stock.
- (5) Publications and blank forms stocked by the installation.
- (6) Safety and fire protection for Contractor personnel and facilities.
- (7) Installation service facilities.
- (8) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.
- (9) Cafeteria privileges for Contractor employees during normal operating hours.
- (10) Building maintenance for facilities occupied by Contractor personnel.
- (11) Moving and hauling for office moves, movement of large equipment, and delivery of supplies. Moving services may be provided on-site, as approved by the Contracting Officer.

(END OF CLAUSE)

**G.7. LIABILITY FOR GOVERNMENT PROPERTY FURNISHED FOR REPAIR OR OTHER SERVICES (NFS 1852.245-72) (DEVIATION) (SEP 2007)**

- (a) This clause shall govern with respect to any Government property furnished to the Contractor for repair or other services that is to be returned to the Government. Such property, hereinafter referred to as "Government property furnished for servicing," shall not be subject to FAR 52.245-1, Government Property.
- (b) The official accountable recordkeeping and financial control and reporting of the property subject to this clause shall be retained by the Government. The Contractor shall maintain adequate records and procedures to ensure that the Government property furnished for servicing can be readily accounted for and identified at all times while in its custody or possession or in the custody or possession of any subcontractor.
- (c) The Contractor shall be liable for any loss, damage, or destruction of the Government property furnished for servicing when caused by the Contractor's failure to exercise such care and diligence as a reasonable prudent owner of similar property would exercise under similar circumstances, or when sustained while the property is being worked upon and directly resulting from that work, including, but not limited to, any repairing, adjusting, inspecting, servicing, or

maintenance operation. The Contractor shall not be liable for loss, damage, or destruction of Government property furnished for servicing resulting from any other cause except to the extent that the loss, damage, or destruction is covered by insurance (including self-insurance funds or reserves).

(d) In addition to any insurance (including self-insurance funds or reserves) carried by the Contractor and in effect on the date of this contract affording protection in whole or in part against loss, damage, or destruction of such Government property furnished for servicing, the amount and coverage of which the Contractor agrees to maintain, the Contractor further agrees to obtain any additional insurance covering such loss, damage, or destruction that the Contracting Officer may from time to time require. The requirements for this additional insurance shall be effected under the procedures established by the Changes clause of this contract.

(e) The Contractor shall hold the Government harmless and shall indemnify the Government against all claims for injury to persons or damage to property of the Contractor or others arising from the Contractor's possession or use of the Government property furnished for servicing or arising from the presence of that property on the Contractor's premises or property.

(END OF CLAUSE)

**G.8. INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (DEVIATION)  
(NFS 1852.245-71) (SEP 2007)(ALT 1)(DEVIATION)(SEP 2007)**

(a) The Government property described in paragraph (c) of this clause may be made available to the Contractor on a no-charge basis for use in performance of this contract. This property shall be utilized only within the physical confines of the NASA installation that provided the property unless authorized by the contracting officer under (b)(1)(iv). Under this clause, the Government retains accountability for, and title to, the property, and the Contractor shall comply with the following:

NASA Procedural Requirements (NPR) 4100.1, NASA Materials Inventory Management Manual

NASA Procedural Requirements (NPR) 4200.1, NASA Equipment Management Procedural Requirements

NASA Procedural Requirement (NPR) 4300.1, NASA Personal Property Disposal Procedural Requirements

Property not recorded in NASA property systems must be managed in accordance with the requirements of FAR 52.245-1.

The Contractor shall establish and adhere to a system of written procedures to assure continued, effective management control and compliance with these user responsibilities. Such procedures must include holding employees liable, when appropriate, for loss, damage, or destruction of Government property.

(b)(1) The official accountable recordkeeping, financial control, and reporting of the

property subject to this clause shall be retained by the Government and accomplished within NASA management information systems prescribed by the installation Supply and Equipment Management Officer (SEMO) and Financial Management Officer. If this contract provides for the Contractor to acquire property, title to which will vest in the Government, the following additional procedures apply:

(i) The Contractor shall not utilize the installation's central receiving facility for receipt of contractor-acquired property. However, the Contractor shall provide listings suitable for establishing accountable records of all such property received, on a monthly basis, to the SEMO.

(ii) The Contractor shall furnish a copy of each purchase order, prior to delivery by the vendor, to the installation central receiving area.

(iii) The Contractor shall establish a record of the property as required by FAR 52.245-1, Government Property, and furnish to the Industrial Property Officer a DD Form 1149, Requisition and Invoice/Shipping Document, (or installation equivalent) to transfer accountability to the Government within 5 working days after receipt of the property by the Contractor. The Contractor is accountable for all contractor-acquired property until the property is transferred to the Government's accountability.

(iv) Contractor use of Government property at an off-site location and off-site subcontractor use require advance approval of the Contracting Officer and notification of the Industrial Property Officer. The property shall be considered Government furnished and the Contractor shall assume accountability and financial reporting responsibility. The Contractor shall establish records and property control procedures and maintain the property in accordance with the requirements of FAR 52.245-1, Government Property, until its return to the installation. NASA Procedural Requirements related to property loans shall not apply to offsite use of property by contractors.

(2) After transfer of accountability to the Government, the Contractor shall continue to maintain such internal records as are necessary to execute the user responsibilities identified in paragraph (a) of this clause and document the acquisition, billing, and disposition of the property. These records and supporting documentation shall be made available, upon request, to the SEMO and any other authorized representatives of the Contracting Officer.

(c) The following property and services are provided if checked.

(1) Office space, work area space, and utilities. Government telephones are available for official purposes only.

(2) Office furniture.

(3) Property listed in Section J, paragraph J.1(a), Attachment 4, of the contract.

(i) If the Contractor acquires property, title to which vests in the Government pursuant to other provisions of this contract, this property also shall become accountable to the Government upon its entry into Government records.

(ii) The Contractor shall not bring to the installation for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.

(4) Supplies from stores stock.

(5) Publications and blank forms stocked by the installation.

(6) Safety and fire protection for Contractor personnel and facilities.

(7) Installation service facilities: Other Center Facilities (such as EEL laboratories and other facilities as required for completion of the tasks).

(8) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.

(9) Cafeteria privileges for Contractor employees during normal operating hours.

(10) Building maintenance for facilities occupied by Contractor personnel.

(11) Moving and hauling for office moves, movement of large equipment, and delivery of supplies. Moving services may be provided on-site, as approved by the Contracting Officer.

(END OF CLAUSE)

(END OF SECTION)

**SECTION H – SPECIAL CONTRACT REQUIREMENTS****H. 1. LISTING OF CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.html>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
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NOTICE: None included by reference.

**II. NASA FAR SUPPLEMENT (48 CFD CHAPTER 18) CLAUSES**

<u>CLAUSE NUMBER</u>	<u>DATE</u>	<u>TITLE</u>
1852.223-70	APR 2002	SAFETY AND HEALTH
1852.223-75	FEB 2002	MAJOR BREACH OF SAFETY OR SECURITY
1852.235-73	DEC 2006	FINAL SCIENTIFIC AND TECHNICAL REPORTS (ALT II) (FEB 2003)
1852.242-72	AUG 1992	OBSERVANCE OF LEGAL HOLIDAYS (ALT I) (SEP 1989) (ALT II) (OCT 2000)
1852.244-70	APR 1985	GEOGRAPHIC PARTICIPATION IN THE AEROSPACE PROGRAM

(END OF CLAUSE)

**H.2. SPECIAL 8(a) CONTRACT CONDITIONS (FAR 52.219-11) (FEB 1990) [DEVIATION]**

(a) This contract is issued as a direct award between the contracting activity and the 8(a) contractor pursuant to a Partnership Agreement between the Small Business Administration (SBA) and the National Aeronautics and Space Administration. Accordingly, the SBA is not a party to this contract. SBA does retain responsibility for

8(a) certification, 8(a) eligibility determinations and related issues, and providing counseling and assistance to the 8(a) contractor under the 8(a) program. The cognizant

SBA district office is:  
U. S. Small Business Administration  
510 L Street, Suite 310  
Anchorage, Alaska 99501

(b) The contracting activity is responsible for administering the contract and taking any action on behalf of the Government under the terms and conditions of the contract; provided, however, that the contracting activity shall give advance notice to the SBA before it issues a final notice terminating performance, either in whole or in part, under the contract. The contracting activity shall also coordinate with the SBA prior to processing any novation agreement. The contracting activity may assign contract administration functions to a contract administration office.

(c) The contractor agrees --

(1) To notify the Contracting Officer, simultaneous with its notification to SBA (as required by SBA's 8(a) regulations), when the owner or owners upon whom 8(a) eligibility is based plan to relinquish ownership or control of the concern. Consistent with Section 407 of Public Law 100-656, transfer of ownership or control shall result in termination of the contract for convenience, unless SBA waives the requirement for termination prior to the actual relinquishing of ownership and control; and

(2) It will not subcontract the performance of any of the requirements of this contract without the prior written approval of the SBA and the Contracting Officer.

(END OF-CLAUSE)

**H. 3. RESTRICTIONS ON PRINTING AND DUPLICATING  
(NFS 1852.208-81) (NOV 2004)**

(a) The Contractor may duplicate or copy any documentation required by this contract in accordance with the provisions of the Government Printing and Binding Regulations, No. 26, S. Pub 101-9, U.S. Government Printing Office, Washington, DC, 20402, published by the Joint Committee on Printing, U.S. Congress.

(b) The Contractor shall not perform, or procure from any commercial source, any printing in connection with the performance of work under this contract. The term "printing" includes the processes of composition, plate making, presswork, duplicating, silk screen processes, binding, microform, and the end items of such processes and equipment.

(c) The Contractor is authorized to duplicate or copy production units provided the requirement does not exceed 5,000 production units of any one page or 25,000 units in the aggregate of multiple pages. Such pages may not exceed a maximum image size of 10-3/4 by 14-1/4 inches. A "production unit" is one sheet, size 8-1/2 x 11 inches (215 x 280 mm), one side only, and one color ink.

(d) This clause does not preclude writing, editing, preparation of manuscript copy, or preparation of related illustrative material as a part of this contract, or administrative duplicating/copying (for example, necessary forms and

instructional materials used by the Contractor to respond to the terms of the contract).

(e) Costs associated with printing, duplicating, or copying in excess of the limits in paragraph (c) of this clause are unallowable without prior written approval of the Contracting Officer. If the Contractor has reason to believe that any activity required in fulfillment of the contract will necessitate any printing or substantial duplicating or copying, it immediately shall provide written notice to the Contracting Officer and request approval prior to proceeding with the activity. Requests will be processed by the Contracting Officer in accordance with the provisions of the Government Printing and Binding Regulations, NFS 1808.802, and NPR 1490.5, NASA Procedural Requirements for Printing, Duplicating, and Copying Management.

(f) The Contractor shall include in each subcontract which may involve a requirement for any printing, duplicating, and copying in excess of the limits specified in paragraph (c) of this clause, a provision substantially the same as this clause, including this paragraph (f).

(END OF CLAUSE)

#### **H.4. ORGANIZATIONAL CONFLICTS OF INTEREST, AND LIMITATION ON FUTURE CONTRACTING**

(a) The Contracting Officer has determined that this acquisition may give rise to a potential organizational conflict of interest. Accordingly, the attention of prospective offerors is directed to FAR Subpart 9.5 - Organizational Conflicts of Interest.

(b) The nature of this potential conflict is:

The Engineering Directorate (hereafter referred to as Code R or the Directorate) at the NASA Ames Research Center provides multi-disciplined engineering design & analysis, hardware development & fabrication, and testing for ground-based, airborne, and space flight programs, projects, and applications. In addition, the Directorate manages the Center's facilities engineering and real property infrastructure and projects. The Directorate is comprised of highly skilled and experienced engineers (e.g. mechanical, structural, civil, electrical, electronics, controls, software, systems) with technical capabilities that support the Center projects and Agency missions.

In order to support Code R requirements the Contractor may be required to participate either fully or in part in requirements identification and specification, statement of work development, benchmarking, and other activities associated with Government procurements (i.e., Request for Proposals, Cooperative Agreement Notices, NASA Research Announcements) and other Government activities where access to Government Sensitive Data or third party proprietary data is necessary. Access to such data or participation in defining requirements for future competitions creates a potential conflict of interest.

(c) To avoid, neutralize, or mitigate the potential organizational conflict of interest, the following restrictions upon future contracting shall apply:

- (1) If the Contractor, under the terms of this contract, or through the performance of tasks pursuant to this contract, is required to develop specifications or statements of work that are to be incorporated into a solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime or first-tier subcontractor under an ensuing NASA contract. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the Contractor, sufficient to avoid unfair competitive advantage or potential bias (this time shall in no case be less than the duration of the initial production contract). NASA shall not unilaterally require the Contractor to prepare such specifications or statements of work under this contract.
- (2) The Contractor shall not, during the performance of the contract and for a period of three years following completion of performance thereof:
  - (i) Design, develop, or produce technologies where it participated in developing the requirements for the procurement of such technologies; or
  - (ii) Participate in competitions, as either a prime proposer or a proposed subcontractor, based upon data obtained because of the Contractor's access to, and support of, the Directorate's technical requirements, or participate in competitions, as either a prime proposer or a proposed subcontractor, where the Contractor participated in defining requirements of the competition as a result of supporting the Directorate's technical requirements.
- (d) If, in the performance of work under this Contract, the Contractor has access to Government Sensitive Data or third-party proprietary data, the Contractor shall protect such data from unauthorized use or disclosure so long as it remains proprietary. In addition, the Contractor shall not be permitted to use such data other than in performance under this Contract, unless:
  - (1) It receives the explicit written permission of the owner of such data and the Contracting Officer; or
  - (2) Such data has been released or otherwise made available to the public by the Government or the owner of the third-party proprietary data. In addition, the Contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this Contract, it shall treat such information in accordance with any use or dissemination restrictions imposed on such information. Further, the Contractor shall not submit an unsolicited proposal to the Government which is based on such data until one year after such data is released or otherwise made available to the public.
- (e) (1) If, in the performance of work under this Contract, the Contractor enters into a separate agreement with a company for the protection of Government Sensitive Data or third-party proprietary data, the Contractor shall furnish a copy of that agreement to the Contracting Officer.

(2) The Contractor must educate its employees, through formal training, not to divulge Government Sensitive Data or third-party proprietary data, trade secrets, confidential information, or restricted data of companies received in connection with the performance of work under this Contract. The Contractor shall provide a plan to implement this training for the approval of the Contracting Officer.

(3) The Contractor shall obtain from all employees having access to Government Sensitive Data or third-party proprietary data under this Contract a written agreement which shall prohibit those employees, during the term of their employment and thereafter, from disclosing to others or using for their own behalf, such data received in connection with the performance of work under this Contract, and from retaining a copy of such data after termination of their employment under this Contract.

(f) The term "Contractor" as used in this clause shall include (i) the corporate or other entity executing this Contract with the Government; (ii) such entity's parent, subsidiary, affiliate, or successor entities to the extent that the parent, subsidiary, affiliate, or successor entity has responsibility for the performance of work under this Contract; and (iii) the Contractor's subcontractors that (A) support the Directorate, as delineated in the Statement of Work of this Contract or (B) handle, receive, reduce, interpret, or transmit data obtained, used, or produced in conjunction with the Directorate.

(g) The term "Contract" as used in this clause shall include options, extensions, and any successor contracts performed or to be performed by the Contractor without any other contractor intervening.

(h) The term "Data" as used in this clause, means recorded information, regardless of form or media on which it may be recorded. The term includes technical data and computer software. The term further includes Government Sensitive Data or third-party proprietary data including proprietary data, trade secret information, data protected by the Privacy Act of 1974 (5 U.S.C. 552a) and other confidential or privileged technical, business or financial data.

(i) The term "Government Sensitive Data" as used in this clause means data for which the disclosure or use is controlled by the U.S. Statute or implementing published federal regulations or NASA policy and, where so identified, includes data first produced by the Contractor.

(j) The Contractor's Organizational Conflicts of Interest Avoidance Plan is incorporated by full text into this contract (see Attachment J). This Plan addresses Organizational Conflicts of Interest at the contract level. Each individual task order will state if additional Organizational Conflicts of Interest requirements exist and, if so, an additional Organizational Conflicts of Interest Avoidance Plan may be required by the Contracting Officer to address potential conflicts of interest prior to authorization of that task order.

(k) The Contractor shall include paragraphs (a) through (j) of this clause in every subcontract. The Contractor shall be responsible for ensuring compliance with all of the provisions of this clause by each of its subcontractors.

**H.5. TASK ORDERING PROCEDURE (NFS 1852.216-80) (OCT 1996)**

(a) Only the Contracting Officer may issue task orders to the Contractor, providing specific authorization or direction to perform work within the scope of the contract and as specified in the schedule. The Contractor may incur costs under this contract in performance of task orders and task order modifications issued in accordance with this clause. No other costs are authorized unless otherwise specified in the contract or expressly authorized by the Contracting Officer.

(b) Prior to issuing a task order, the Contracting Officer shall provide the Contractor with the following data:

- (1) A functional description of the work identifying the objectives or results desired from the contemplated task order.
- (2) Proposed performance standards to be used as criteria for determining whether the work requirements have been met.
- (3) The Contractor shall provide a Task Plan for each assigned CTO or CTO modification with the following information:
  - 1) A discussion of the approach for performing the work, including technical approach, risk assessment, and any ancillary deliverables defined by the Contractor (if required).
  - 2) Milestone Schedule.
  - 3) An estimate of labor hours and skill mix by applicable labor category, extrapolated on a monthly basis.
  - 4) The total estimated cost and award fee for completion of the CTO, including:
    - a) Direct Labor Hours.
    - b) Direct Labor Cost.
    - c) Other Direct Costs (ODCs) including, but not limited to materials, equipment, travel and subcontracting.
    - d) Indirect Costs.
    - e) Fixed Fee for the Task.
  - 5) A listing identifying pre-existing background technologies proposed to be delivered as Limited Rights Data or Restricted Rights Software.

A flow chart detailing the CTO process is shown in Appendix 2.0 to the SOW.

(c) Within 10 calendar days after receipt of the Contracting Officer's request, the Contractor shall submit a task plan conforming to the request.

(d) After review and any necessary discussions, the Contracting Officer may issue a task order to the Contractor containing, as a minimum, the following:

- (1) Date of the order.

- (2) Contract number and order number.
- (3) Functional description of the work identifying the objectives or results desired from the task order, including special instructions or other information necessary for performance of the task.
- (4) Performance standards, and where appropriate, quality assurance standards.
- (5) Maximum dollar amount authorized (cost and fee or price). This includes allocation of award fee among award fee periods, if applicable.
- (6) Any other resources (travel, materials, equipment, facilities, etc.) authorized.
- (7) Delivery/performance schedule including start and end dates.
- (8) If contract funding is by individual task order, accounting and appropriation data.

(e) The Contractor shall provide acknowledgment of receipt to the Contracting Officer within 3 calendar days after receipt of the task order.

(f) If time constraints do not permit issuance of a fully defined task order in accordance with the procedures described in paragraphs (a) through (d), a task order which includes a ceiling price may be issued.

(g) The Contracting Officer may amend tasks in the same manner in which they were issued.

(h) In the event of a conflict between the requirements of the task order and the Contractor's approved task plan, the task order shall prevail.

(END OF CLAUSE)

**H.6. EXPORT LICENSES (NFS1852.225-70) (FEB 2000)**

(a) The Contractor shall comply with all U.S. export control laws and regulations, including the International Traffic in Arms Regulations (ITAR), 22 CFR Parts 120 through 130, and the Export Administration Regulations (EAR), 15 CFR Parts 730 through 799, in the performance of this contract. In the absence of available license exemptions/exceptions, the Contractor shall be responsible for obtaining the appropriate licenses or other approvals, if required, for exports of hardware, technical data, and software, or for the provision of technical assistance.

(b) The Contractor shall be responsible for obtaining export licenses, if required, before utilizing foreign persons in the performance of this contract, including instances where the work is to be performed on-site at Ames Research Center, where the foreign person will have access to export-controlled technical data or software.

(c) The Contractor shall be responsible for all regulatory record keeping requirements associated with the use of licenses and license exemptions/exceptions.

(d) The Contractor shall be responsible for ensuring that the provisions of this clause apply to its subcontractors.

(END OF CLAUSE)

**H.7. KEY PERSONNEL AND FACILITIES (NFS 1852.235-71) (MAR 1989)**

(a) The personnel and/or facilities listed below (or specified in the contract Schedule) are considered essential to the work being performed under this contract. Before removing, replacing, or diverting any of the listed or specified personnel or facilities, the Contractor shall (1) notify the Contracting Officer reasonably in advance and (2) submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on this contract.

(b) The Contractor shall make no diversion without the Contracting Officer's written consent; provided that the Contracting Officer may ratify in writing the proposed change, and that ratification shall constitute the Contracting Officer's consent required by this clause.

(c) The list of personnel and/or facilities (shown below or as specified in the contract Schedule) may, with the consent of the contracting parties, be amended from time to time during the course of the contract to add or delete personnel and/or facilities.

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b-4

(END OF CLAUSE)

**H.8. EMERGENCY PREPAREDNESS AND RESPONSE (ARC 52.223-90) (OCT 2006)**

(a) Contractors shall comply with Ames Procedural Requirements (APR) 1601.4, "Emergency Operations Plan." References within this clause to specific portions of the APR are located under Section 2.4, "Concept of Operations."

(b) In the event of an emergency that requires a Level 1, 2, or 3 responses (as defined in Section 2.4.3, "Levels of Response"), the contractor shall follow the emergency procedures they develop (e.g., shut down equipment, conduct damage assessments, account for personnel, etc.) as required in Section 2.4.2.7, "Contractors, Tenants and Partner Organizations." Many contractor employees also serve as emergency response resources (as described in Section 2.4.2.4, "Emergency Response Resources") with regards to performing certain emergency response functions associated with the overall NASA Ames Research Center and agency response. As such, their emergency response roles for the Center and agency need to be identified prior to an emergency or disaster. These individuals must also be notified of their roles, trained in their roles and

participate in any drills that serve to increase the Center's effectiveness in responding to emergencies and disasters. In the APR, responsibilities are assigned on an organizational basis; therefore, Contractors must refer to the section(s) of the APR that correlate with their respective COTR organization(s) to determine their specific responsibilities in serving the overall Center and agency response needs with regards to the Contractor as a whole and specific contractor personnel.

(END OF CLAUSE)

**H.9. DISASTER ASSISTANCE AND RESCUE TEAM (DART) PARTICIPATION  
(ARC 52.223-91) (APR 2004)**

(a) Contractor employees are eligible to participate in the Disaster Assistance and Rescue Team (DART) if approved in writing by the Contractor and appointed by the Government. If a Contractor approves of an employee's participation, the contractor agrees to modify the employee's position description to include participation in DART, and to provide additional indemnification (e.g., worker's compensation insurance, general liability, etc.) as may be necessary to protect its employee and/or the Government while the employee is participating in the program.

(b) DART Definition. This team is comprised of civil service, contractor, Ames Associate, resident agent, and military personnel that work at Ames Research Center, the NASA Research Park, and Moffett Federal Airfield. The team composition includes, but is not limited to, scientists, engineers, wind tunnel mechanics, aircraft mechanics, facility maintenance personnel, computer specialists, industrial hygienists, safety professionals, heavy equipment operators, administrative personnel, managers, procurement officials, and data specialists. DART is an umbrella organization that has ten functional groups. The groups are Search, Rescue, Hazardous Materials Response, Damage and Utility Control, Structural Assessment, Emergency Communications, Medical, Logistics, Technical Support, and Emergency Operations Center as well as the Emergency Communications Facility. Typically, participation will involve approximately 5% of the employee's (full) time, except for initial training/orientation, which will involve approximately 10% of the employee's (full) time. The executive management at Ames Research Center strongly encourages contractor participation on DART, which needs all of our support, as it has proven to be a valuable element of the Center's Emergency Service Program.

(END OF CLAUSE)

**H.10. MANAGEMENT AND PROTECTION OF DATA (ARC 52.227-93) (JUL 1988)**

- (a) In the performance of this contract it is anticipated that the Contractor may have access to, be furnished, use, or generate the following types of data (recorded information):
- (1) data submitted to the Government with limited rights or restricted rights notices;
  - (2) data of third parties which the Government has agreed to handle under protective arrangements; and

- (3) data generated by or on behalf of the Government which the Government intends to control the use and dissemination thereof.
- (b) In order to provide management appropriate for protecting the interests of the Government and other owners of such data, the Contractor agrees with respect to data in category (a)(1) above, and with respect to any data in categories (a)(2) and (a)(3) when so identified by the Contracting Officer, to:
  - (1) use and disclose such data only to the extent necessary to perform the work required under this contract, with particular emphasis on restricting disclosure of the data to those persons who have a definite need for the data in order to perform under this contract;
  - (2) not reproduce the data unless reproduction of the data is specifically permitted elsewhere in the contract or by the Contracting Officer;
  - (3) refrain from disclosing the data to third parties without the written consent of the Contracting Officer; and
  - (4) return or deliver the data including all copies thereof to the Contracting Officer or his designated recipient when requested by the Contracting Officer.

(End of Clause)

#### **H.11. HANDLING OF DATA (ARC 52.227-96) (JUN 1989)**

(a) Paragraph (d)(1) of the "Rights in Data—General" clause of this contract permits the Government to restrict the Contractor's right to use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of the contract provided such restriction is expressly set forth in the contract. Pursuant to this authority, the following restrictions shall apply to such data and shall be included, in substance, in all subcontracts:

(b) Data specifically used.

(1) In the performance of this contract, it is anticipated the Contractor may have access, or be furnished, data (including financial, administrative, cost or pricing, or management information as well as technical data or computer software) of third parties which the Government has agreed to handle under protective arrangements, as well as such Government data for which the Government intends to control the use and dissemination.

(2) In order to protect the interests of the Government and the owners of such data, the Contractor agrees, with respect to such third party or Government data that is either marked with a restrictive legend or specifically identified in this contract or in writing by the Contracting Officer as being subject to this clause, to use and disclose such data only to the extent necessary to perform the work required under this contract, preclude disclosure of such data outside the Contractor's organization, and return or dispose of such data as directed by the Contracting Officer when the data is no longer needed for contract performance.

(3) Notwithstanding (2) above, the Contractor shall not be restricted in the use and disclosure of any data that becomes generally available without breach of this clause by this Contractor, is known to or is developed by the Contractor independently of any disclosure of proprietary, restricted, or confidential data hereunder, or is rightfully received by the Contractor from a third party without restriction.

(c) Data first produced.

Data first produced by the Contractor under this contract may include data for which the Government wants to control the use and dissemination. The Contracting Officer may require, or this contract may presently specify, that the Contractor apply restrictive legends to such identified data prior to delivery to the Government, or to third parties at the Government's direction, that restrict the use and disclosure of the data by any third party recipient. However, such restrictive legends shall in no way affect the Contractor's or the Government's rights to such data as provided in the "Rights in Data--General" clause of this contract.

(END OF CLAUSE)

**H.12. INFORMATION INCIDENTAL TO CONTRACT ADMINISTRATION  
(ARC 52.227-98) (OCT 2004)**

NASA shall have unlimited rights in information incidental to contract administration including administrative and management information created by the Contractor and specified for delivery to NASA in performance of the contract, expressly excluding financial information. Specifically, NASA shall have the right to release such administrative and management information to any third party to satisfy NASA's requirements.

(END OF CLAUSE)

**H.13 SEVERANCE PAY (ARC 52.231-90) (MAY 1993)**

In conjunction with FAR 31.205-6(g), the severance pay cost shall not exceed 40 hours pay for each year of employment per employee up to a maximum of 80 hours per eligible employee. Severance cost eligibility computation for reimbursement shall also be limited to only the period of employment on the service contract at Ames Research Center. In no event shall the Government reimburse the Contractor for severance cost for employees who voluntarily accept employment in place with the succeeding contractor within ninety (90) days after completion of the current contract.

(END OF CLAUSE)

**H.14. PERFORMANCE ASSESSMENT**

a) As part of the Government's surveillance activities, a periodic performance assessment will be conducted under this contract. Information from the assessment may be provided to the contractor for corrective actions and performance improvement. Performance assessments will be considered by the Government in its unilateral determination as to whether to exercise options for continued performance in

accordance with clause F.2. Additionally, these assessments may be considered as part of past performance evaluations for future NASA requirements and may be ascertained by other organizations requesting past performance information.

b) Examples of performance factors that may be used by the Government include but are not limited to the following:

Factor:	Description:
OVERALL MANAGEMENT	Performance in attracting, developing, and retaining professional and management staff that meet the requirements of the contract. Contractor's management policies and procedures (including intellectual property management, organizational conflicts of interest, management and protection of data, handling of data and export control).
QUALITY	Quality of the work performed under the task orders.
TIMELINESS	Timeliness of completing the task order milestones and submitting deliverables.
PRICE/COST	Ability to control, adjust and accurately project contract costs (estimated contract costs, not budget or operating plan costs). Ability to control the management and administration costs for this contract. Ability to control the direct labor, indirect and overtime costs. Optimal allocation of resources, including the use of part-time personnel. Cost reductions through the use of cost savings programs, cost avoidance programs, alternate designs and process methods. Reduced purchasing costs through increased use of competition will also be assessed.

c) Periodic feedback to the Contractor will include an assessment of overall contract performance.

(END OF CLAUSE)

**H.15. INCORPORATION OF THE CONTRACTOR'S PROPOSAL**

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The [REDACTED] dated [REDACTED], is hereby incorporated into this contract by reference. The Contractor is required to complete work requirements under this contract in accordance with the Plan.

(END OF CLAUSE)

**H.16. DATA RIGHTS—SPECIAL WORKS & SUBCONTRACTING (MAY 2008)**

The Contractor is hereby directed to assert copyright, or authorize assertion thereof, in special works data and to assign, or obtain the assignment of, such copyright to the Government or its designated assignee in accordance with Clause 52.227-17 Rights in Data-Special Works. The direction applies to the production or compilation of the following types of data (or may be further specified in a task order): all technical designs/drawings, hardware/software/firmware/control system designs (including executable and source code), multimedia/audiovisual works, and any websites produced under the Contract.

It is strongly recommended that the Contractor flow down the data rights provisions of this Contract to sub-tier contractors to ensure that it can fulfill its data rights obligations to the Government. See Clause FAR 52.227-14(h), "Rights in Data-General". The Contractor shall be held responsible to obtain rights for the Government where it fails to fulfill such obligations.

(End of clause)

**H.17. DATA NOT FIRST PRODUCED UNDER THE CONTRACT & REPRESENTATION OF LIMITED RIGHTS DATA AND RESTRICTED RIGHTS SOFTWARE (OCT 2002)**

Offerors are reminded that as required by Clause FAR 52.227-14(c)(2), the Contractor must obtain Contracting Officer approval before incorporating any data not first produced under the Contract into data delivered under the Contract. Before delivering such data, the Contractor must identify it and grant the Government, or acquire on its behalf, the broad licenses required by subparagraph (c) of the Rights in Data – General clause.

The Contractor shall make the representation required by FAR 52.227-15 for each Contract task order. On a case-by-case basis, the Government will insert the purposes, rights or limitations under which the Government can use Limited Rights Data and Restricted Rights Software into the alternate clauses II and III of FAR 52.227-14.

(END OF CLAUSE)

[END OF SECTION]

**PART II – CONTRACT CLAUSES****SECTION I - CONTRACT CLAUSES****I. 1. CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (FEB 1998)**

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

FAR website: <http://acquisition.gov/far/index.html>

NFS website: <http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

NOTICE: The following contract clauses pertinent to this section are hereby incorporated by reference:

**I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)**

<u>CLAUSE NO.</u>	<u>DATE</u>	<u>TITLE</u>
52.202-1	JUL 2004	DEFINITIONS
52.203-3	APR 1984	GRATUITIES
52.203-5	APR 1984	COVENANT AGAINST CONTINGENT FEES
52.203-6	SEP 2006	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT
52.203-7	JUL 1995	ANTI-KICKBACK PROCEDURES
52.203-8	JAN 1997	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-10	JAN 1997	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-12	SEP 2007	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
52.203-13	DEC 2007	CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT
52.203-14	DEC 2007	DISPLAY OF HOTLINE POSTER(S)
52.204-4	AUG 2000	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER
52.204-7	JUL 2006	CENTRAL CONTRACTOR REGISTRATION
52.209-6	SEP 2006	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.211-5	AUG 2000	MATERIAL REQUIREMENTS
52.211-15	SEP 1990	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS
52.215-2	JUN 1999	AUDIT AND RECORDS – NEGOTIATION
52.215-8	OCT 1997	ORDER OF PRECEDENCE - UNIFORM CONTRACT FORMAT
52.215-11	OCT 1997	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA – MODIFICATIONS
52.215-12	OCT 1997	SUBCONTRACTOR COST OR PRICING DATA
52.215-13	OCT 1997	SUBCONTRACTOR COST OR PRICING DATA- MODIFICATIONS
52.215-14	OCT 1997	INTEGRITY OF UNIT PRICES
52.215-15	OCT 2004	PENSION ADJUSTMENTS AND ASSET REVERSIONS
52.215-17	OCT 1997	WAIVER OF FACILITIES CAPITAL COST OF MONEY

<u>CLAUSE NO.</u>	<u>DATE</u>	<u>TITLE</u>
52.215-18	JUL 2005	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS
52.215-21	OCT 1997	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA - MODIFICATIONS
52.216-8	MAR 1997	FIXED FEE
52.216-7	DEC 2002	ALLOWABLE COST AND PAYMENT
52.217-8	NOV 1999	OPTION TO EXTEND SERVICES ( <i>Insert "30 DAYS"</i> )
52.217-9	MAR 2000	OPTION TO EXTEND THE TERM OF THE CONTRACT ( <i>Insert "15 days" and "30 days" in paragraph (a). Insert "5 years" in paragraph (c).</i> )
52.219-8	MAY 2004	UTILIZATION OF SMALL BUSINESS CONCERNS
52.219-14	DEC 1996	LIMITATIONS ON SUBCONTRACTING
52.222-1	FEB 1997	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES
52.222-3	JUN 2003	CONVICT LABOR
52.222-4	SEP 2000	CONTRACT WORK HOURS AND SAFETY STANDARDS ART-OVERTIME COMPENSATION
52.222-21	FEB 1999	PROHIBITION OF SEGREGATED FACILITIES
52.222-26	MAR 2007	EQUAL OPPORTUNITY
52.222-35	SEP 2006	EQUAL OPPORTUNITIES FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA AND OTHER SPECIAL VETERANS
52.222-36	JUN 1998	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES
52.222-37	SEP 2006	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS
52.222-41	NOV 2007	SERVICE CONTRACT ACT OF 1965
52.222-50	AUG 2007	COMBATING TRAFFICKING IN PERSONS
52.223-3	JAN 1997	HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA
52.223-5	AUG 2003	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (ALT I)(AUG 2003)
52.223-6	MAY 2001	DRUG-FREE WORKPLACE
52.223-10	AUG 2000	WASTE REDUCTION PROGRAM
52.223-14	AUG 2003	TOXIC CHEMICAL RELEASE REPORTING
52.225-1	JUN 2003	BUY AMERICAN ACT-SUPPLIES
52.225-13	FEB 2006	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES
52.227-1	DEC 2007	AUTHORIZATION AND CONSENT (ALT I) (APR 1984)
52.227-2	DEC 2007	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
52.227-11	DEC 2007	PATENT RIGHTS RETENTION BY THE CONTRACTOR (SHORT FORM) (AS MODIFIED BY NFS 1852.227-11, PATENT RIGHTS RETENTION BY THE CONTRACTOR - (SHORT FORM))
52.227-14	DEC 2007	RIGHTS IN DATA - GENERAL (ALT I)(DEC 2007)(ALT II) (DEC 2007) (ALT III) (DEC 2007)(AS MODIFIED BY NFS 1852.227-14, RIGHTS IN DATA - GENERAL)
52.227-16	JUN 1987	ADDITIONAL DATA REQUIREMENTS

<u>CLAUSE NO.</u>	<u>DATE</u>	<u>TITLE</u>
52.227-17	DEC 2007	RIGHTS IN DATA – SPECIAL WORKS (AS MODIFIED BY NFS 1852.227-17, RIGHTS IN DATA – SPECIAL WORKS)
52.227-23	JUN 1987	RIGHTS TO PROPOSAL DATA (TECHNICAL) <i>To Be Completed by Offeror:</i> [REDACTED] b4
52.228-7	MAR 1996	INSURANCE-LIABILITY TO THIRD PERSONS
52.230-2	APR 1998	COST ACCOUNTING STANDARDS
52.230-6	APR 2005	ADMINISTRATION OF COST ACCOUNTING STANDARDS
52.232-9	APR 1984	LIMITATION ON WITHHOLDING OF PAYMENTS
52.232-17	JUN 1996	INTEREST
52.232-18	APR 1984	AVAILABILITY OF FUNDS
52.232.20	APR 1984	LIMITATION OF COST
52.232-22	APR 1984	LIMITATION OF FUNDS
52.232-23	JAN 1986	ASSIGNMENT OF CLAIMS
52.232-25	OCT 2003	PROMPT PAYMENT (ALT I) (FEB 2002)
52.233-1	JUL 2002	DISPUTES (ALTERNATE I) (DEC 1991)
52.233-3	AUG 1996	PROTEST AFTER AWARD (ALT I) (JUN 1985)
52.233-4	OCT 2004	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM
52.237-2	APR 1984	PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT AND VEGETATION
52.237-3	JAN 1991	CONTINUITY OF SERVICES
52.239-1	AUG 1996	PRIVACY OR SECURITY SAFEGUARDS
52.242-1	APR 1984	NOTICE OF INTENT TO DISALLOW COSTS
52.242-3	MAY 2001	PENALTIES FOR UNALLOWABLE COSTS
52.242-4	JAN 1997	CERTIFICATION OF FINAL INDIRECT COSTS
52.242-13	JUL 1995	BANKRUPTCY
52.243-2	AUG 1987	CHANGES-COST-REIMBURSEMENT (ALT I) (APR 1984)
52.244-2	JUN 2007	SUBCONTRACTS ( <i>Insert: "N/A" in paragraphs (d) and (j)</i> )
52.244-5	DEC 1996	COMPETITION IN SUBCONTRACTING
52.244-6	MAR 2007	SUBCONTRACTS FOR COMMERCIAL ITEMS
52.245-1	JUN 2007	GOVERNMENT PROPERTY
52.245-18	FEB 1993	SPECIAL TEST EQUIPMENT
52.246-23	FEB 1997	LIMITATION OF LIABILITY
52.246-25	FEB 1997	LIMITATION OF LIABILITY – SERVICES
52.247-1	FEB 2006	COMMERCIAL BILL OF LADING NOTATIONS
52.249-6	MAY 2004	TERMINATION (COST-REIMBURSEMENT)
52.249-14	APR 1984	EXCUSABLE DELAYS
52.251-1	APR 1984	GOVERNMENT SUPPLY SOURCES
52.253-1	JAN 1991	COMPUTER GENERATED FORM/S

## II. NASA FAR SUPPLEMENT (48 CFR CHAPTER 18)

<u>CLAUSE NO.</u>	<u>DATE</u>	<u>TITLE</u>
1852.203-70	JUN 2001	DISPLAY OF INSPECTOR GENERAL HOTLINE POSTERS
1852.216-89	JUL 1997	ASSIGNMENT AND RELEASE FORMS
1852.219-74	SEP 1990	USE OF RURAL AREA SMALL BUSINESSES
1852.219-76	JUL 1997	NASA 8 PERCENT GOAL
1852.219-79	MAR 1999	MENTOR REQUIREMENTS AND EVALUATION
1852.223-74	MAR 1996	DRUG- AND ALCOHOL-FREE WORKPLACE
1852.227-84	DEC 1989	PATENT RIGHTS CLAUSE
1852.227-86	DEC 1987	COMMERCIAL COMPUTER SOFTWARE--LICENSING
1852.228-75	OCT 1998	MINIMUM INSURANCE COVERAGE
1852.235-70	DEC 2006	CENTER FOR AEROSPACE INFORMATION
1852.237-70	DEC 1988	EMERGENCY EVACUATION PROCEDURES
1852.237-72	JUN 2005	ACCESS TO SENSITIVE INFORMATION
1852.237-73	JUN 2005	RELEASE OF SENSITIVE INFORMATION
1852.242-78	APR 2001	EMERGENCY MEDICAL SERVICES AND EVACUATION
1852.243-71	MAR 1997	SHARED SAVINGS

(END OF CLAUSE)

### I.2. PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (52.204-9) (SEPT 2007)

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24 and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall insert this clause in all subcontracts when the subcontractor is required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system.

FIPS 201 Appendix A graphically displays the following procedure for the issuance of a PIV credential.

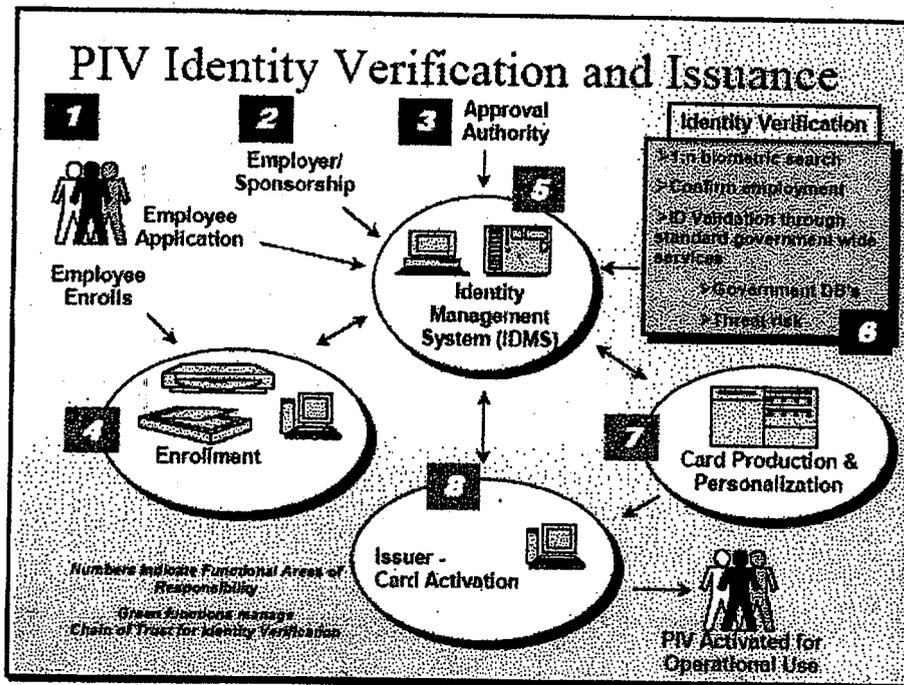


Figure A-1, FIPS 201, Appendix A

The following steps describe the procedures for the NASA Personal Identity Verification Card Issuance (PCI) of a PIV credential:

**Step 1:**

The Contractor's Corporate Security Officer (CSO), Program Manager (PM), or Facility Security Officer (FSO) submits a formal letter that provides a list of contract employees (applicant) names requesting access to the NASA Contracting Officer's Technical Representative (COTR). In the case of a foreign national applicant, approval through the NASA Foreign National Management System (NFMMS) must be obtained for the visit or assignment before any processing for a PIV credential can take place. Further, if the foreign national is not under a contract where a COTR has been officially designated, the foreign national will provide the information directly to their visit/assignment host, and the host sponsor will fulfill the duties of the COTR mentioned herein. In each case, the letter shall provide notification of the contract or foreign national employee's (hereafter the "applicant") full name (first, middle and last), social security number (SSN) or NASA Foreign National Management System Visitor Number if the foreign national does not have a SSN, and date of birth. If the contract employee has a current satisfactorily completed National Agency Check with Inquiries (NACI) or an equivalent or higher degree of background investigation, the letter shall indicate the type of investigation, the agency completing the investigation, and date the investigation was completed. Also, the letter must specify the risk/sensitivity level associated with the position in which each applicant will be working (NPR 1600.1, §4.5 is germane) Further, the letter shall also acknowledge that contract employees may be denied access to NASA information or information systems based on an unsatisfactory background investigation/adjudication.

After reviewing the letter for completeness and concurring with the risk/sensitivity levels, the COTR/host must forward the letter to the Center Chief of Security (CCS). The CCS shall review the OPM databases (e.g., DCII, PIP, et al.), and take appropriate steps to validate the applicant's investigation status. Requirements for a NACI or other investigation shall be initiated only if necessary.

Applicants who do not currently possess the required level of background investigation shall be directed to the e-QIP web site to complete the necessary background investigation forms online. The CCS shall provide to the COTR/host information and instructions on how to access the e-QIP for each contract or foreign national employee requiring access

**Step 2:**

Upon acceptance of the letter/background information, the applicant will be advised that in order to complete the investigative process, he or she must appear in-person before the authorized PIV registrar and submit two forms of identity source documents in original form. The identity source documents must come from the list of acceptable documents included in Form I-9, Employment Eligibility Verification, one which must be a Federal<sup>1</sup> or State issued picture identification. Fingerprints will be taken at this time. The applicant must appear no later than the entry on duty date.

When the applicant appears, the registrar will electronically scan the submitted documents; any document that appears invalid will be rejected by the registrar. The registrar will capture electronically both a facial image and fingerprints of the applicant. The information submitted by the applicant will be used to create or update the applicant identity record in the Identity Management System (IDMS).

**Step 3:**

Upon the applicant's completion of the investigative document, the CCS reviews the information, and resolves discrepancies with the applicant as necessary. When the applicant has appeared in person and completed fingerprints, the package is electronically submitted to initiate the NACI. The CCS includes a request for feedback on the NAC portion of the NACI at the time the request is submitted.

**Step 4:**

Prior to authorizing physical access of a contractor employee to a federally-controlled facility or access to a Federal information system, the CCS will ensure that a check has been performed with the National Crime Information Center (NCIC) and Interstate Identification Index. In the case of a foreign national, a national check of the Bureau of Immigration and Customs Enforcement (BICE) database will be performed for each applicant. If this process yields negative information, the CCS will immediately notify the COTR/host of the determination regarding access made by the CCS.

**Step 5:**

Upon receipt of the completed NAC, the CCS will update IDMS from the NAC portion of the NACI and indicate the result of the suitability determination. If an unsatisfactory suitability determination is rendered, the COTR will advise the contractor that the

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<sup>1</sup> A non-PIV government identification badge, including the NASA Photo Identification Badge, MAY NOT BE USED for the original issuance of a PIV vetted credential

employee is being denied physical access to all federally-controlled facilities and Federal information systems.

Based on a favorable NAC and NCIC/III or BICE check, the CCS will authorize the issuance of a PIV federal credential in the Physical Access Control System (PACS) database. The CCS, based on information provided by the COTR/host, will determine what physical access the applicant should be granted once the PIV issues the credential.

**Step 6:**

Using the information provided by the applicant during his or her in-person appearance, the PIV card production facility creates and instantiates the approved PIV card for the applicant with an activation date commensurate with the applicant's start date.

**Step 7:**

The applicant proceeds to the credential issuance facility to begin processing for receipt of his/her federal credential.

The applicant provides to the credential issuing operator proof of identity with documentation that meets the requirements of FIPS 201 (DHS Employment Eligibility Verification (Form I-9) documents. These documents must be the same documents submitted for registration.

The credential issuing operator will verify that the facial image, and optionally reference finger print, matches the enrollment data used to produce the card. Upon verification of identity, the operator will locate the employee's record in the PACS database, and modify the record to indicate the PIV card has been issued. The applicant will select a PIN for use with his or her new PIV card. Although root data is inaccessible to the operator, certain fields (hair color, eye color, et al.) may be modified to more accurately record the employee's information.

The applicant proceeds to a kiosk or other workstation to complete activation of the PIV card using the initial PIN entered at card issuance.

**ALTERNATIVE FOR APPLICANTS WHO DO NOT HAVE A COMPLETED AND ADJUDICATED NAC AT THE TIME OF ENTRANCE ON DUTY**

Steps 1 through 4 shall be accomplished for all applicants in accordance with the process described above. If the applicant is unable to appear in person until the time of entry on duty, or does not, for any other reason, have a completed and adjudicated NAC portion of the NACI at the time of entrance on duty, the following interim procedures shall apply.

1. If the documents required to submit the NACI have not been completed prior to EOD, the applicant will be instructed to complete all remaining requirements for submission of the investigation request. This includes presentation of I-9 documents and completion of fingerprints, if not already accomplished. If the applicant fails to complete these activities as prescribed in NPR 1600.1 (Chapters 3 & 4), it may be considered as failure to meet the conditions required

for physical access to a federally-controlled facility or access to a Federal information system, and result in denial of such access.

2. Based on favorable results of the NCIC, the applicant shall be issued a temporary NASA identification card for a period not-to-exceed six months. If at the end of the six month period the NAC results have not been returned, the agency will at that time make a determination if an additional extension will be granted for the temporary identification card.
3. Upon return of the completed NAC, the process will continue from Step 5.

(End of clause)

**I.3. ORDERING (FAR 52.216-18) (OCT 1995)**

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from date of contract award through one year from the effective date of the contract.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered issued when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(END OF CLAUSE)

**I.4. ORDER LIMITATIONS (FAR 52.216-19) (OCT 1995)**

(a) *Minimum order.* When the Government requires supplies or services covered by this contract in an amount of less than \$500.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) *Maximum order.* The Contractor is not obligated to honor -

- (1) Any order for a single item in excess of [REDACTED]; b-4
- (2) Any order for a combination of items in excess of [REDACTED] or [REDACTED]; b-4
- (3) A series of orders from the same ordering office within 7 days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.

(c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the

Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 5 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(END OF CLAUSE)

**I.5. INDEFINITE QUANTITY (FAR 52.216-22) (OCT 1995)**

(a) This is an indefinite-quantity contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies and services specified in the Schedule are estimates only and are not purchased by this contract.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. The Contractor shall furnish to the Government, when and if ordered, the supplies or services specified in the Schedule up to and including the quantity designated in the Schedule as the maximum. The Government shall order at least the quantity of supplies or services designated in the Schedule as the minimum.

(c) Except for any limitations on quantities in the Order Limitations clause or in the Schedule, there is no limit on the number of orders that may be issued. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; *provided*, that the Contractor shall not be required to make any deliveries under this contract after one year after the end date of the contract.

(END OF CLAUSE)

**I.6. POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION  
(52.219-28) (June 2007)**

(a) *Definitions.* As used in this clause—

*Long-term contract* means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to

exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

*Small business concern* means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts—

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/services/contractingopportunities/sizestandardsttopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the representation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by e-mail, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the

contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it ( ) is, ( ) is not a small business concern under NAICS Code 541710 assigned to contract number \_\_\_\_\_.

*[Contractor to sign and date and insert authorized signer's name and title].*

(END OF CLAUSE)

**I.7. PAYMENT FOR OVERTIME PREMIUMS (FAR 52.222-2) (JUL 1990)**

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed \$0 for non-exempt employees" in paragraph (a) or the overtime premium is paid for work -

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall -

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

\* Insert either zero or the dollar amount agreed to during negotiations. The inserted

figure does not apply to the exceptions in subparagraph (a)(1) through (a)(4) of the clause.

(END OF CLAUSE)

**I.8. STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES  
(FAR 52.222-42) (MAY 1989)**

a) In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency, subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only: It is not a Wage Determination

<b>Employee Class</b>	<b>Monetary Wage - Fringe Benefits</b>	
Administrative Assistant	\$18.59	"b"
Engineering Technician I	\$20.66	"b"
Engineering Technician IV	\$25.66	"b"
Engineering Technician VI	\$30.58	"b"
Resource Manager	\$27.83	"b"
Technical Writer	\$30.58	"b"

(b) Costs to the Government for employee fringe benefits for the class of service employee described above are estimated as follows. Total fringe benefit costs are estimated at an average of 28% of salary for all permanent employees.

Percent of Salary Federal Employees Retirement System	11.4
Thrift Saving Plan	3.3
Social Security (FICA)	6.2
Medicare	1.5
Employee Life Insurance (FELI)	0.2
Employee Health Insurance (FEHB)	5.4
Combined Fringe Benefit Cost	28.0

(c) The amount of vacation or paid leave provided by law that would be given to Federal Employee is as follows:

- (1) Two hours of annual leave each week for an employee with less than three years of service.
- (2) Three hours of annual leave each week for an employee with less than three years of service.
- (3) Four hours of annual leave each week for an employee with fifteen or more years of service.

(END OF CLAUSE)

**I.9. PAYMENT BY ELECTRONIC FUNDS TRANSFER – OTHER THAN CENTRAL CONTRACTOR REGISTRATION (52.232-34) (MAY 1999)**

*(a) Method of payment.* (1) All payments by the Government under this contract shall be made by electronic funds transfer (EFT) except as provided in paragraph (a)(2) of this clause. As used in this clause, the term EFT refers to the funds transfer and may also include the payment information transfer.

(2) In the event the Government is unable to release one or more payments by EFT, the Contractor agrees to either -

(i) Accept payment by check or some other mutually agreeable method of payment; or

(ii) Request the Government to extend payment due dates until such time as the Government makes payment by EFT (but see paragraph (d) of this clause).

*(b) Mandatory submission of Contractor's EFT information.* (1) The Contractor is required to provide the Government with the information required to make payment by EFT (see paragraph (j) of this clause). The Contractor shall provide this information directly to the office designated in this contract to receive that information (hereafter: designated office) by 10 days after receipt of award in Paragraph (b)(1). If not otherwise specified in this contract, the payment office is the designated office for receipt of the Contractor's EFT information. If more than one designated office is named for the contract, the Contractor shall provide a separate notice to each office. In the event that the EFT information changes, the Contractor shall be responsible for providing the updated information to the designated office(s).

(2) If the Contractor provides EFT information applicable to multiple contracts, the Contractor shall specifically state the applicability of this EFT information in terms acceptable to the designated office. However, EFT information supplied to a designated office shall be applicable only to contracts that identify that designated office as the office to receive EFT information for that contract.

*(c) Mechanisms for EFT payment.* The Government may make payment by EFT through either the Automated Clearing House (ACH) network, subject to the rules of the National Automated Clearing House Association, or the Fedwire Transfer System. The rules governing Federal payments through the ACH are contained in 31 CFR part 210.

*(d) Suspension of payment.* (1) The Government is not required to make any payment under this contract until after receipt, by the designated office, of the correct EFT payment information from the Contractor. Until receipt of the correct EFT information, any invoice or contract financing request shall be deemed not to be a proper invoice for the purpose of prompt payment under this contract. The prompt payment terms of the contract regarding notice of an improper invoice and delays in accrual of interest penalties apply.

(2) If the EFT information changes after submission of correct EFT information, the Government shall begin using the changed EFT information no later than 30 days after its receipt by the designated office to the extent payment is made by EFT. However, the Contractor may request that no further payments be made until the updated EFT information is implemented by the payment office. If such suspension would result in a late payment under the prompt payment terms of this contract, the Contractor's request for suspension shall extend the due date for payment by the number of days of the suspension.

(e) *Liability for uncompleted or erroneous transfers.* (1) If an uncompleted or erroneous transfer occurs because the Government used the Contractor's EFT information incorrectly, the Government remains responsible for -

- (i) Making a correct payment;
- (ii) Paying any prompt payment penalty due; and
- (iii) Recovering any erroneously directed funds.

(2) If an uncompleted or erroneous transfer occurs because the Contractor's EFT information was incorrect, or was revised within 30 days of Government release of the EFT payment transaction instruction to the Federal Reserve System, and -

- (i) If the funds are no longer under the control of the payment office, the Government is deemed to have made payment and the Contractor is responsible for recovery of any erroneously directed funds; or
- (ii) If the funds remain under the control of the payment office, the Government shall not make payment and the provisions of paragraph (d) shall apply.

(f) *EFT and prompt payment.* A payment shall be deemed to have been made in a timely manner in accordance with the prompt payment terms of this contract if, in the EFT payment transaction instruction released to the Federal Reserve System, the date specified for settlement of the payment is on or before the prompt payment due date, provided the specified payment date is a valid date under the rules of the Federal Reserve System.

(g) *EFT and assignment of claims.* If the Contractor assigns the proceeds of this contract as provided for in the assignment of claims terms of this contract, the Contractor shall require as a condition of any such assignment, that the assignee shall provide the EFT information required by paragraph (j) of this clause to the designated office, and shall be paid by EFT in accordance with the terms of this clause. In all respects, the requirements of this clause shall apply to the assignee as if it were the Contractor. EFT information that shows the ultimate recipient of the transfer to be other than the Contractor, in the absence of a proper assignment of claims acceptable to the Government, is incorrect EFT information within the meaning of paragraph (d) of this clause.

(h) *Liability for change of EFT information by financial agent.* The Government is not liable for errors resulting from changes to EFT information provided by the Contractor's financial agent.

(i) *Payment information.* The payment or disbursing office shall forward to the Contractor available payment information that is suitable for transmission as of the date of release of the EFT instruction to the Federal Reserve System. The Government may request the Contractor to designate a desired format and method(s) for delivery of payment information from a list of formats and methods the payment office is capable of executing. However, the Government does not guarantee that any particular format or method of delivery is available at any particular payment office and retains the latitude to use the format and delivery method most convenient to the Government. If the Government makes payment by check in accordance with paragraph (a) of this clause, the Government shall mail the payment information to the remittance address in the contract.

(j) *EFT information.* The Contractor shall provide the following information to the designated office. The Contractor may supply this data for this or multiple contracts (see paragraph (b) of this clause). The Contractor shall designate a single financial agent per contract capable of receiving and processing the EFT information using the EFT methods described in paragraph (c) of this clause.

- (1) The contract number (or other procurement identification number).
- (2) The Contractor's name and remittance address, as stated in the contract(s).
- (3) The signature (manual or electronic, as appropriate), title, and telephone number of the Contractor official authorized to provide this information.
- (4) The name, address, and 9-digit Routing Transit Number of the Contractor's financial agent.
- (5) The Contractor's account number and the type of account (checking, saving, or lockbox).
- (6) If applicable, the Fedwire Transfer System telegraphic abbreviation of the Contractor's financial agent.
- (7) If applicable, the Contractor shall also provide the name, address, telegraphic abbreviation, and 9-digit Routing Transit Number of the correspondent financial institution receiving the wire transfer payment if the Contractor's financial agent is not directly on-line to the Fedwire Transfer System; and, therefore, not the receiver of the wire transfer payment.

(END OF CLAUSE)

**I.10. SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION TECHNOLOGY RESOURCES (NFS 1852.204-76) (MAY 2008)(DEVIATION)**

(a) The Contractor shall be responsible for information and information technology (IT) security when –

(1) The Contractor or its subcontractors must obtain physical or electronic (i.e., authentication level 2 and above as defined in National Institute of Standards and Technology (NIST) Special Publication (SP) 800-63, Electronic Authentication Guideline) access to NASA's computer systems, networks, or IT infrastructure; or

(2) Information categorized as low, moderate, or high by the Federal Information Processing Standards (FIPS) 199, Standards for Security Categorization of Federal Information and Information Systems is stored, generated, processed, or exchanged by NASA or on behalf of NASA by a contractor or subcontractor, regardless of whether the information resides on a NASA or a contractor/subcontractor's information system.

(b) IT Security Requirements.

(1) Within 30 days after contract award, a Contractor shall submit to the Contracting Officer for NASA approval an IT Security Plan, Risk Assessment, and FIPS 199, Standards for Security Categorization of Federal Information and Information Systems, Assessment. These plans and assessments, including annual updates shall be incorporated into the contract as compliance documents.

(i) The IT system security plan shall be prepared consistent, in form and content, with NIST SP 800-18, Guide for Developing Security Plans for Federal Information Systems, and any additions/augmentations described in NASA Procedural Requirements (NPR) 2810, Security of Information Technology. The security plan shall identify and document appropriate IT security controls consistent with the sensitivity of the information and the requirements of Federal Information Processing Standards (FIPS) 200, Recommended Security Controls for Federal Information Systems. The plan shall be reviewed and updated in accordance with NIST SP 800-26, Security Self-Assessment Guide for Information Technology Systems, and FIPS 200, on a yearly basis.

(ii) The risk assessment shall be prepared consistent, in form and content, with NIST SP 800-30, Risk Management Guide for Information Technology Systems, and any additions/augmentations described in NPR 2810. The risk assessment shall be updated on a yearly basis.

(iii) The FIPS 199 assessment shall identify all information types as well as the "high water mark," as defined in FIPS 199, of the processed, stored, or transmitted information necessary to fulfill the contractual requirements.

(2) The Contractor shall produce contingency plans consistent, in form and content, with NIST SP 800-34, Contingency Planning Guide for Information Technology Systems, and any additions/augmentations described in NPR 2810. The Contractor shall perform yearly "Classroom Exercises." "Functional Exercises," shall be coordinated with the Center CIOs and be conducted once every three years, with the first conducted within the first two years of contract award. These exercises are defined and described in NIST SP 800-34.

(3) The Contractor shall ensure coordination of its incident response team with the NASA Incident Response Center (NASIRC) and the NASA Security Operations Center, ensuring that incidents are reported consistent with NIST SP 800-61, Computer Security Incident Reporting Guide, and the United States Computer Emergency Readiness Team's (US-CERT) Concept of Operations for reporting security incidents. Specifically, any confirmed incident of a system containing NASA data or controlling NASA assets

shall be reported to NASIRC within one hour that results in unauthorized access, loss or modification of NASA data, or denial of service affecting the availability of NASA data.

(4) The Contractor shall ensure that its employees, in performance of the contract, receive annual IT security training in NASA IT Security policies, procedures, computer ethics, and best practices in accordance with NPR 2810 requirements. The Contractor may use web-based training available from NASA to meet this requirement.

(5) The Contractor shall provide NASA, including the NASA Office of Inspector General, access to the Contractor's and subcontractors' facilities, installations, operations, documentation, databases, and personnel used in performance of the contract. Access shall be provided to the extent required to carry out IT security inspection, investigation, and/or audits to safeguard against threats and hazards to the integrity, availability, and confidentiality of NASA information or to the function of computer systems operated on behalf of NASA, and to preserve evidence of computer crime. To facilitate mandatory reviews, the Contractor shall ensure appropriate compartmentalization of NASA information, stored and/or processed, either by information systems in direct support of the contract or that are incidental to the contract.

(6) The Contractor shall ensure that system administrators who perform tasks that have a material impact on IT security and operations demonstrate knowledge appropriate to those tasks. A system administrator is one who provides IT services (including network services, file storage, and/or web services) to someone other than themselves and takes or assumes the responsibility for the security and administrative controls of that service.

(7) The Contractor shall ensure that NASA's Sensitive But Unclassified (SBU) information as defined in NPR 1600.1, NASA Security Program Procedural Requirements, which includes privacy information, is encrypted in storage and transmission.

(8) When the Contractor is located at a NASA Center or installation or is using NASA IP address space, the Contractor shall –

(i) Submit requests for non-NASA provided external Internet connections to the Contracting Officer for approval by the Network Security Configuration Control Board (NSCCB);

(ii) Comply with the NASA CIO metrics including patch management, operating systems and application configuration guidelines, vulnerability scanning, incident reporting, system administrator certification, and security training; and

(iii) Utilize the NASA Public Key Infrastructure (PKI) for all encrypted communication or non-repudiation requirements within NASA when secure email capability is required.

(c) Physical and Logical Access Requirements.

(1) Contractor personnel requiring access to IT systems operated by the Contractor for NASA or interconnected to a NASA network shall be screened at an appropriate level in accordance with NPR 2810 and Chapter 4, NPR 1600.1, NASA Security Program Procedural Requirements. NASA shall provide screening, appropriate to the highest risk level, of the IT systems and information accessed, using, as a minimum, National Agency Check with Inquiries (NACI). The Contractor shall submit the required forms to the NASA Center Chief of Security (CCS) within fourteen (14) days after contract award or assignment of an individual to a position requiring screening. The forms may be obtained from the CCS. At the option of NASA, interim access may be granted pending completion of the required investigation and final access determination. For Contractors who will reside on a NASA Center or installation, the security screening required for all required access (e.g., installation, facility, IT, information, etc.) is consolidated to ensure only one investigation is conducted based on the highest risk level. Contractors not

residing on a NASA installation will be screened based on their IT access risk level determination only. See NPR 1600.1, Chapter 4.

(2) Guidance for selecting the appropriate level of screening is based on the risk of adverse impact to NASA missions. NASA defines three levels of risk for which screening is required (IT-1 has the highest level of risk).

(i) IT-1 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause very serious adverse impact to NASA missions. These systems include, for example, those that can transmit commands directly modifying the behavior of spacecraft, satellites or aircraft.

(ii) IT-2 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause serious adverse impact to NASA missions. These systems include, for example, those that can transmit commands directly modifying the behavior of payloads on spacecraft, satellites or aircraft; and those that contain the primary copy of "level 1" information whose cost to replace exceeds one million dollars.

(iii) IT-3 -- Individuals having privileged access or limited privileged access to systems whose misuse can cause significant adverse impact to NASA missions. These systems include, for example, those that interconnect with a NASA network in a way that exceeds access by the general public, such as bypassing firewalls; and systems operated by the Contractor for NASA whose function or information has substantial cost to replace, even if these systems are not interconnected with a NASA network.

(3) Screening for individuals shall employ forms appropriate for the level of risk as established in Chapter 4, NPR 1600.1.

(4) The Contractor may conduct its own screening of individuals requiring privileged access or limited privileged access provided the Contractor can demonstrate to the Contracting Officer that the procedures used by the Contractor are equivalent to NASA's personnel screening procedures for the risk level assigned for the IT position.

(5) Subject to approval of the Contracting Officer, the Contractor may forgo screening of Contractor personnel for those individuals who have proof of a --

(i) Current or recent national security clearances (within last three years);

(ii) Screening conducted by NASA within the last three years that meets or exceeds the screening requirements of the IT position; or

(iii) Screening conducted by the Contractor, within the last three years, that is equivalent to the NASA personnel screening procedures as approved by the Contracting Officer and concurred on by the CCS.

(d) The Contracting Officer may waive the requirements of paragraphs (b) and (c)(1) through (c)(3) upon request of the Contractor. The Contractor shall provide all relevant information requested by the Contracting Officer to support the waiver request.

(e) The Contractor shall contact the Contracting Officer for any documents, information, or forms necessary to comply with the requirements of this clause.

(f) At the completion of the contract, the contractor shall return all NASA information and IT resources provided to the contractor during the performance of the contract and certify that all NASA information has been purged from contractor-owned systems used in the performance of the contract.

(g) The Contractor shall insert this clause, including this paragraph (g), in all subcontracts

(1) Have physical or electronic access to NASA's computer systems, networks, or IT infrastructure; or

(2) Use information systems to generate, store, process, or exchange data with NASA or on behalf of NASA, regardless of whether the data resides on a NASA or a contractor's information system.

(END OF CLAUSE)

**I.11. OMBUDSMAN (NFS 1852.215-84) (OCT 2003)**

(a) An ombudsman has been appointed to hear and facilitate the resolution of concerns from offerors, potential offerors, and contractors during the preaward and postaward phases of this acquisition. When requested, the ombudsman will maintain strict confidentiality as to the source of the concern. The existence of the ombudsman is not to diminish the authority of the contracting officer, the Source Evaluation Board, or the selection official. Further, the ombudsman does not participate in the evaluation of proposals, the source selection process, or the adjudication of formal contract disputes. Therefore, before consulting with an ombudsman, interested parties must first address their concerns, issues, disagreements, and/or recommendations to the contracting officer for resolution.

(b) If resolution cannot be made by the contracting officer, interested parties may contact the installation ombudsman,

NASA Ames Research Center  
Lewis S. Braxton, III  
M/S 200-9, Moffett Field, CA 94035-1000

Phone 650-604-5068 and email address is  
Lewis.S.Braxton@nasa.gov

Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the NASA ombudsman, the Director of the Contract Management Division, at 202-358-0445, facsimile 202-358-3083, e-mail james.a.balinskas@nasa.gov. Please do not contact the ombudsman to request copies of the solicitation, verify offer due date, or clarify technical requirements. Such inquiries shall be directed to the Contracting Officer or as specified elsewhere in this document.

(END OF CLAUSE)

**I.12. AUTHORIZED DEVIATIONS IN CLAUSES (FAR 52.252-6)(APR 1984)**

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the date of the clause.

(b) The use in this solicitation or contract of any NASA FAR Supplement (48 CFR CHAPTER 18) clause with an authorized deviation is indicated by the addition of "(DEVIATION)" after the name of the regulation.

(END OF CLAUSE)

[END OF SECTION]

**SECTION J - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS****LIST OF ATTACHMENTS**

- (a) The following documents, exhibits, and attachments are included in the solicitation and resulting contract. Representations and certifications completed by the contractor in response to this solicitation are incorporated by reference in the resulting contract at time of award.

<b>Attachment</b>	<b>Title</b>	<b>Date</b>	<b>No. of Pages</b>
1	STATEMENT OF WORK	5/13/08	17
2	DEPARTMENT OF LABOR WAGE DETERMINATION NO. 94-2061 (rev 18)	01/2008	12
3	LIST OF ACRONYMS	3/10/08	2
4	GOVERNMENT FURNISHED EQUIPMENT	3/24/08	3
5	DATA REQUIREMENTS LIST/DATA REQUIREMENTS DESCRIPTION	3/24/08	25
6	CONTRACTOR'S HEALTH AND SAFETY PLAN	6/12/08	18
7	CONTRACTOR'S ORGANIZATIONAL CONFLICTS OF INTEREST AVOIDANCE PLAN	6/12/08	5
8	DIRECT LABOR RATES, FRINGE RATES, INDIRECT RATES, FIXED FEE, AND CEILING RATE MATRICES	8/4/08	3

(END OF CLAUSE)

[END OF SECTION]

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
 1 2

2. AMENDMENT/MODIFICATION NO. 000001 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. See Schedule 5. PROJECT NO. (If applicable)

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

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B

10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: XXXXXXXXXX *OK*  
 See Attachment 1 to this modification.

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

CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Incremental Funding

E. IMPORTANT: Contractor  is not  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.

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) 15C. DATE SIGNED 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Teresa A. Marshall 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED 09/11/2008  
 (Signature of person authorized to sign) (Signature of Contracting Officer)

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA:**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200267526	████	ESAX22008D	604746.01.01.02.16.0	21RE	████████████████████
4200267526	████	ESAX22008D	644423.02.39.02.06.0	21RE	████████████████████
4200267526	████	ESAX22008R	659877.02.01.37.281A	21RE	████████████████████
4200267449	████	ESAX22008D	859103.05.01.02	21RE	████████████████████
4200268902	████	EXCX22008D	725932.08.01.10.01	21RE	████████████████████
4200268902	████	EXCX22008D	725932.08.01.10.01	21RE	████████████████████
4200268902	████	ESAX22008D	825080.04.01.30.14	21RE	████████████████████
4200268902	████	ESAX22008D	825080.04.01.30.15	21RE	████████████████████
4200268902	████	ESAX22008D	698671.01.01.01.36	21RE	████████████████████
4200268902	████	ESAX22008D	698671.01.01.01.37	21RE	████████████████████
4200268902	████	ESAX22008D	811073.02.11.01.77	21RE	████████████████████
4200268902	████	ESAX22008D	811073.02.11.01.67	21RE	████████████████████
4200268902	████	EXAX22008D	936374.02.02	21RE	████████████████████

b-4

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through October 31, 2008.

(2) An amount of ██████████ is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 000002	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Schedule	5. PROJECT NO. (If applicable)	
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
			10B. DATED (SEE ITEM 13) 08/19/2008	
CODE 49J93	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 \_\_\_\_\_ 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 Attachment 1 to this modification Net Increase: ██████████ **0-4**

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Incremental Funding

E. IMPORTANT: Contractor  is not  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.

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) Teresa A. Marshall
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA <i>Teresa A. Marshall</i> (Signature of Contracting Officer)	16C. DATE SIGNED 9/29/08

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA:**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200270918	████	ESAX22008D	859103.05.01.02	21RE	██████████
4200269776	████	ESAX22008D	644423.02.39.02.06.0	21RE	██████████0
4200269776	████	ESAX22008D	644423.02.39.02.06.0	21RE	██████████0
4200269776	████	ESAX22008D	182306.02.01.02	21RE	██████████
4200269776	████	ESAX32007D	697925.01.01.13	21RE	██████████
4200270540	████	ESAX22008D	698671.01.01.01.59	21RE	██████████
4200270540	████	ESAX22008D	422335.06.56.01.03.0	21RE	██████████
4200270540	████	ESAX22008D	422335.06.56.01.03.0	21RE	██████████
4200270540	████	ESAX22008D	422335.01.71.01	21RE	██████████
4200270540	████	ESAX22008D	698671.04.01.84	21RE	██████████0
4200270540	████	ESAX22008R	167530.02.01.44.252A	21RE	██████████0
4200270540	████	ESAX22008R	659877.02.01.39.938A	21RE	██████████0
4200270540	████	ESAX22008D	698671.04.01.84	21RE	██████████0
4200270540	████	ESAX22008D	698671.01.01.01.36	21RE	██████████0
4200270540	████	ESAX22008D	698671.01.01.01.37	21RE	██████████0
4200270540	████	ESAX22008R	167530.02.01.42.233A	21RE	██████████0

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through November 30, 2008.

(2) An amount of ██████████ is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

b-4

- c. All other terms and conditions remain unchanged.

2. AMENDMENT/MODIFICATION NO. 00003 3. EFFECTIVE DATE 09/30/2008 4. REQUISITION/PURCHASE REQ. NO. 4200270987 5. PROJECT NO. (if applicable)

ISSUED BY CODE ARC 7. ADMINISTERED BY (if other than Item 6) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322

9A. AMENDMENT OF SOLICITATION NO. (x)

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO. X NNA08AF30B

10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93 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 \_\_\_\_\_ 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 Attachment 1 to this modification Net Increase: [REDACTED] b-4

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

CHECK ONE

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:

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

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Teresa A. Marshall

16B. CONTRACTOR/OFFEROR 16C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED 9/30/08

(Signature of person authorized to sign) (Signature of Contracting Officer)

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA:**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200270987	██████	ESAX22008D	120361.01.01.01	21RE	██████████
4200270987	██████	ESAX22007R	659877.02.01.05.117A	21RE	██████████
4200270987	██████	ESAX32007D	697925.01.01.13	21RE	██████████
4200270987	██████	ESAX22008R	691982.01.01.10.627C	21RE	██████████
4200270987	██████	ESAX22008R	691982.01.01.10.631B	21RE	██████████
4200270987	██████	ESAX22008D	425180.04.02.02	21RE	██████████
4200270987	██████	ESAX22007R	659877.02.01.05.117A	21RE	██████████
4200270987	██████	ESAX22008D	425180.04.02.02	21RE	██████████
4200270987	██████	ESAX22008D	292487.08.01.07	21RE	██████████
4200270987	██████	ESAX22008D	825080.04.01.30.08	21RE	██████████
4200270987	██████	ESAX22008R	659877.02.01.02.230A	21RE	██████████

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through December 31, 2008.

(2) An amount of ██████████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPIF	██████████	██████████	██████████

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1   2	
2. AMENDMENT/MODIFICATION NO. 00004	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200275672	5. PROJECT NO. (If applicable)	
ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6)	CODE	ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x)	9A. AMENDMENT OF SOLICITATION NO.	
CODE 49J93		FACILITY CODE		9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNA06AF30B	
				10B. DATED (SEE ITEM 13) 08/19/2008

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)  
4200275672 Net Increase: [REDACTED] b-4

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of the document referenced in Item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Alynnette C. Rodriguez
15B. CONTRACTOR/OFFEROR	18B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	(Signature of Contracting Officer)
15C. DATE SIGNED	18C. DATE SIGNED 12/30/2008

N 7540-01-162-8070  
previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA:**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200275672	████	ESAX22008D	825080.04.01.30.13	21RE	██████████
4200275672	████	EXCX22009D	377816.06.02.01.02	21RE	██████████
4200275672	████	EXCX22009D	378343.10.01.04.02	21RE	██████████
4200275672	████	EXCX22009D	377816.06.02.01.13	21RE	██████████
4200275672	████	CASX22009D	736466.09.01.01.06	21RE	██████████
4200275672	████	ESAX22008D	278083.02.50.05.01	21RE	██████████
4200275672	████	SCEX22009D	422335.06.56.02.02.0	21RE	██████████
4200275672	████	CASX22009D	736466.09.01.01.10	21RE	██████████
4200275672	████	ESAX22008D	825080.04.01.30.14	21RE	██████████
4200275672	████	CASX22009D	736466.09.02.01.05	21RE	██████████
4200275672	████	CASX22009D	736466.09.02.01.04	21RE	██████████
4200275672	████	ESAX22008D	936374.02.02	21RE	██████████
4200275672	████	ESAX22008D	645846.02.07.01.01	21RE	██████████
4200275672	████	ESAX22008D	457280.02.07.01.01	21RE	██████████
4200275672	████	ESAX22008D	644423.02.39.02.06.0	21RE	██████████
4200275672	████	ESAX22008D	644423.02.39.02.06.0	21RE	██████████
4200275672	████	SCEX22009D	859103.05.01.02	21RE	██████████

b4

**BLOCK 14, DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through February 6, 2009.
- (2) An amount of ██████████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

b4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
1 2

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
000005 See Block 16C 4200278928

ISSUED BY CODE ARC 7. ADMINISTERED BY (If other than Item 8) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322 (x)

9B. DATED (SEE ITEM 11)  
9C. AMENDMENT OF SOLICITATION NO. 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
10B. DATED (SEE ITEM 13) 08/19/2008  
CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: [redacted] b-4  
4200278928

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

CHECK ONE  
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:  
D. OTHER (Specify type of modification and authority)  
X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.

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)  
15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
Annette C. Rodriguez  
12/30/2008

N 7540-01-152-8070  
previous edition unusable  
STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200278928	[REDACTED]	CASX22009D	736466.11.01.01.02	21RE	[REDACTED]
4200278928	[REDACTED]	ESAX22008D	340396.03.02	21RE	[REDACTED]
4200278928	[REDACTED]	ESAX22008D	292360.09.06.03.16	21RE	[REDACTED]

b7

OK

**BLOCK 14, DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through February 13, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPPF	[REDACTED]	[REDACTED]	[REDACTED]

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (if applicable)  
 1006 See Block 16C 4200271283  
 SUEB BY CODE ARC 7. ADMINISTERED BY (if other than item 6) CODE ARC  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 CODE 49J93 FACILITY CODE  
 9B. DATED (SEE ITEM 11)  
 X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: [REDACTED] b4  
 4200271283 Net Increase:

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 15D. UNITED STATES OF AMERICA 16B. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer)  
 7540-01-152-807D  
 previous edition unusable

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200271283	[REDACTED]	ESAX22008R	167530.02.01.44.252A	21RE	[REDACTED]

b4

b4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through February 20, 2009.

- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b4

- c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 10007 3. EFFECTIVE DATE See Block 16C 4. REQUISITION/PURCHASE REQ. NO. 4200280546 5. PROJECT NO. (if applicable)

ISSUED BY CODE ARC 7. ADMINISTERED BY (if other than Item 6) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322

9A. AMENDMENT OF SOLICITATION NO. (x)

9B. DATED (SEE ITEM 11)

x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B

10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: ██████████ b-k

4200280546

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

CHECK ONE

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:

D. OTHER (Specify type of modification and authority)

X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of this document referenced in Item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Annette Contreras-Rodriguez

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED 2/11/09

(Signature of person authorized to sign) (Signature of Contracting Officer)

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200280546	██████	ESAX22008D	342556.05.23.01.01	21RE	██████████
4200280546	██████	SCEX22009D	422335.06.56.01.03.0	21RE	██████████
4200280546	██████	AERX22009D	698259.02.07.01.05.0	21RE	██████████
4200280546	██████	AERX22009D	645846.02.07.01.13.0	21RE	██████████
4200280546	██████	EXPX22009D	825855.04.03.02.04.5	21RE	██████████
4200280546	██████	SCEX22009D	346620.04.04.01.02.0	21RE	██████████
4200280546	██████	SCEX22009D	354171.09.01.03	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.06.0	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.06.0	21RE	██████████
4200280546	██████	CASX22009R	833011.02.01.37.355A	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.06.0	21RE	██████████
4200280546	██████	CASX22009R	016541.01.01.10.618D	21RE	██████████
4200280546	██████	ESAX22008D	644423.02.39.02.06.1	21RE	██████████
4200280546	██████	EXPX22009D	644423.02.39.02.06.1	21RE	██████████
4200280546	██████	ESAX22008R	691982.01.01.10.660C	21RE	██████████
4200280546	██████	SCEX22009D	422335.06.55.05.01.0	21RE	██████████
4200280546	██████	EXPX22009D	825855.04.03.02.03	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.03.0	21RE	██████████
4200280546	██████	EXPX22009D	644423.02.39.02.06.0	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.03.0	21RE	██████████
4200280546	██████	SCEX22009D	769134.03.03.01.01	21RE	██████████
4200280546	██████	SCEX22009D	422335.01.71.01	21RE	██████████
4200280546	██████	ESAX32007D	697925.01.01.11	21RE	██████████
4200280546	██████	ESAX22008R	659877.02.01.05.208A	21RE	██████████
4200280546	██████	EXPX22009D	825855.04.03.02.03	21RE	██████████
4200280546	██████	EXPX22009D	825855.04.03.02.03	21RE	██████████
4200280546	██████	AERX22009D	877868.02.07.01.06.0	21RE	██████████
4200280546	██████	SCEX22009D	106148.03.01.01	21RE	██████████
4200280546	██████	ESAX22008R	698671.02.01.10	21RE	██████████

b-4

b-4

BLOCK 14, DESCRIPTION OF MODIFICATION:

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through March 16, 2009.

(2) An amount of ██████████ is obligated under this contract for payment of fee."

b-4

b-4

NNA08AF30B  
Modification No. 7

b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	<u>From</u>	<u>By</u>	<u>To</u>
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b-9

c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (if applicable)  
 0008 See Block 16C 4200285750  
 SUED BY CODE ARC 7. ADMINISTERED BY (if other than item 6) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 9B. DATED (SEE ITEM 11)  
 CODE 49J93 FACILITY CODE  
 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: ██████████ b4  
 4200285750

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of the document referenced in item 8A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 Anjennette Contreras-Rodriguez  
 (Signature of person authorized to sign) (Signature of Contracting Officer)  
 4/8/09

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200285750		CASX22009D	685676.01.02.90.01	21RE	
4200285750		SCEX22009D	859103.06.01.02	21RE	
4200285750		SCEX22009D	859103.06.01.02	21RE	
4200285750		CASX22009D	736466.11.01.01.03	21RE	
4200285750		ESAX22008D	342556.05.23.01.05	21RE	
4200285750		ESAX22008D	342556.05.23.01.03	21RE	
4200285750		EXPX22009D	425180.04.02.02	21RE	
4200285750		CASX22009D	736466.09.01.01.14	21RE	
4200285750		CASX22009R	031102.02.01.39.971A	21RE	
4200285750		AERX22009D	877868.02.07.01.06.0	21RE	
4200285750		EXPX22009D	64423.02.39.02.06.1	21RE	
4200285750		AERX22009D	877868.02.07.01.03.0	21RE	
4200285750		SCEX22009D	509496.02.03.01.02	21RE	
4200285750		SCEX22009D	769134.03.03.01.01	21RE	
4200285750		ESAX22008R	659877.02.01.06.197A	21RE	
4200285750		ESAX22008R	659877.02.01.39.923A	21RE	
4200285750		AERX22009D	877868.02.07.01.03.0	21RE	
4200285750		EXPX22009D	092837.04.01.04.05.0	21RE	
4200285750		SCEX22009D	422335.06.59.01.01.0	21RE	
4200285750		AERX22009D	877868.02.07.01.03.0	21RE	
4200285750		CASX22009D	736466.11.01.01.01	21RE	
4200285750		CASX22009R	031102.02.01.43.369A	21RE	
4200285750		SCEX22009D	859103.06.01.01	21RE	
4200285750		EXPX22009D	439906.04.01.01	21RE	
4200285750		SCEX22009D	422335.06.56.01.03.0	21RE	
4200285750		EXPX22009D	644423.02.39.02.06.0	21RE	

b-4

b4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through April 30, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

NNA08AF30B  
Modification No. 8

	From	By	To
Estimated Cost *	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b4

c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 00009 See Block 16C 4200289136  
 ISSUED BY CODE ARC 7. ADMINISTERED BY (If other than Item 6) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 CODE 49J93 FACILITY CODE  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: **04**  
 4200289136

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

CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer)

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200289136	[REDACTED]	EXPX22009D	604746.01.31.05.02.0	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	422335.01.71.01	21RE	[REDACTED]
4200289136	[REDACTED]	ABRX22009D	877868.02.07.01.03.0	21RE	[REDACTED]
4200289136	[REDACTED]	AERX22009D	877868.02.07.01.03.0	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	509496.02.03.01.02	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	509496.02.08.02.76	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	422335.07.52.02.01.0	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009R	031102.02.01.43.369A	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009D	736466.09.02.01.09	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009R	016541.01.01.10.618D	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	811073.02.09.01.03	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009D	736466.09.02.01.09	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009R	031102.02.01.05.352A	21RE	[REDACTED]
4200289136	[REDACTED]	AERX22009D	877868.02.07.01.03.0	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	422335.07.52.02.01.0	21RE	[REDACTED]
4200289136	[REDACTED]	CASX22009D	736466.09.01.01.11	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	859103.05.01.02	21RE	[REDACTED]
4200289136	[REDACTED]	EXPX22009D	292360.09.06.03.16	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	859103.05.01.02	21RE	[REDACTED]
4200289136	[REDACTED]	SCEX22009D	859103.06.01.01	21RE	[REDACTED]

b-4

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through May 30, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPEF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

**NNA08AF30B**  
**Modification No. 9**

c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
 1 2

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (if applicable)  
 0010 See Block 16C 4200293248

SUBMITTED BY CODE ARC 7. ADMINISTERED BY (if other than Item 6) CODE ARC

NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 (x)

ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 x

10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: ██████████ b4

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

CHECK ONE 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:

D. OTHER (Specify type of modification and authority)

X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 Anjennette Contreras-Rodriguez

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 15B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 08/19/09

(Signature of person authorized to sign) (Signature of Contracting Officer)

JN 7540-01-152-8070 Previous edition unusable STANDARD FORM 30 (REV. 10-63) Prescribed by GSA FAR (48 CFR) 53.213

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200293248	[REDACTED]	CASX22009D	736466.09.01.01.14	21RE	[REDACTED]
4200293248	[REDACTED]	EXPX22009D	644423.02.39.02.06.1	21RE	[REDACTED]
4200293248	[REDACTED]	SCEX22009D	422335.06.56.01.02.0	21RE	[REDACTED]
4200293248	[REDACTED]	EXPX22009D	425180.04.02.02	21RE	[REDACTED]
4200293248	[REDACTED]	ESAX22008R	659877.02.01.02.201A	21RE	[REDACTED]
4200293248	[REDACTED]	ESAX22008R	659877.02.01.02.230A	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009R	031102.02.01.02.314A	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009R	031102.02.01.07.399A	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009D	736466.09.01.01.06	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009D	736466.09.02.01.10	21RE	[REDACTED]
4200293248	[REDACTED]	SCEX22009D	346620.04.04.10.02.0	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200293248	[REDACTED]	SCEX22009D	422335.09.72.01	21RE	[REDACTED]
4200293248	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200293248	[REDACTED]	AERX22009D	599489.02.07.01.02.0	21RE	[REDACTED]
4200293248	[REDACTED]	ESAX22008R	659877.02.01.06.197A	21RE	[REDACTED]

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through June 19, 2009.

- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES	
			1	2
1. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)	
000011	See Block 16C	4200299714		
6. ISSUED BY	CODE	7. ADMINISTERED BY (if other than Item 6)	CODE	ARC
NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	ARC	NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000		
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)		(x)	9A. AMENDMENT OF SOLICITATION NO.	
ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322				
			9B. DATED (SEE ITEM 11)	
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
			10B. DATED (SEE ITEM 13) 08/19/2008	
CODE 49J93	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 16, 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 the 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 Schedule Net Increase: XXXXXXXXXX *OK*

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

CHECK ONE	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 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:
X	D. OTHER (Specify type of modification and authority) Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of the document referenced in Item 0A 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)
	Annette Contreras-Rodriguez
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
	6/29/09
(Signature of person authorized to sign)	(Signature of Contracting Officer)

NNA08AF30B  
 Modification No. 11

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200299714	[REDACTED]	SCEX22009D	811073.02.11.01.67	21RE	[REDACTED]
4200299714	[REDACTED]	CASX22009R	016541.01.01.10.618D	21RE	[REDACTED]
4200299714	[REDACTED]	SCEX22009D	859103.05.01.02	21RE	[REDACTED]
4200299714	[REDACTED]	SCEX22009D	422335.05.71.01.01	21RE	[REDACTED]
4200299714	[REDACTED]	EXPX22009D	644423.02.39.02.06.0	21RE	[REDACTED]
4200299714	[REDACTED]	EXPX22009D	439906.04.01.01	21RE	[REDACTED]
4200299714	[REDACTED]	EXPX22009R	075585.01.01.01.02.0	21RE	[REDACTED]
4200299714	[REDACTED]	CASX22009D	736466.11.01.01.03	21RE	[REDACTED]
4200299714	[REDACTED]	SCEX22009D	422335.06.56.01.03.0	21RE	[REDACTED]

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through July 10, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 000012 07/14/2009 4200302924

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE  
 NASA/Ames Research Center ARC NASA/Ames Research Center ARC  
 Acquisition Division  
 M/S 241-1  
 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION (x)  
 6303 IVY LANE STE 130 9B. DATED (SEE ITEM 11)  
 GREENBELT MD 20770-6322  
 CODE 49J93 FACILITY CODE x 10A. MODIFICATION OF CONTRACT/ORDER NO.  
 NNA08AF30B  
 10B. DATED (SEE ITEM 13)  
 08/19/2008

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 6 and 16, 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) Net Increase: ██████████ b4

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer)  
 7/14/09

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200302924		ESAX22008D	342556.05.20.01.05.0	21RE	
4200302924		ESAX22008D	342556.05.20.01.06.1	21RE	
4200302924		ESAX22008D	120361.01.01.01	21RE	
4200302924		ESAX22008D	422335.06.55.05.02.0	21RE	
4200302924		ESAX22008D	422335.09.73.01	21RE	
4200302924		ESAX22008D	698671.01.01.01.22	21RE	
4200302924		ESAX22008D	698671.04.01.41	21RE	
4200302924		ESAX22008D	425180.04.02.02	21RE	
4200302924		ESAX22008D	698671.01.01.01.52	21RE	
4200302924		ESAX22008D	698671.01.01.01.60	21RE	
4200302924		ESAX22008D	292360.09.06.03.16	21RE	
4200302924		ESAX22008D	422335.09.72.01	21RE	
4200302924		ESAX22008D	825080.04.01.30.06	21RE	
4200302924		ESAX22008D	526282.01.01.01	21RE	
4200302924		ESAX22008D	811073.02.14.01.87	21RE	
4200302924		ESAX22008D	698671.01.01.01.58	21RE	
4200302924		ESAX22008D	329231.01.07.02	21RE	
4200302924		ESAX22008D	129985.05.01.04	21RE	
4200302924		ESAX22008D	422335.06.56.01.03.0	21RE	
4200302924		ESAX22008R	691982.01.01.10.631B.01	21RE	
4200302924		ESAX22008D	691982.01.01.10.631B	21RE	
4200302924		EXCX22008D	377816.06.02.01.13	21RE	
4200302924		ESAX22008D	342556.05.20.01.05.1	21RE	
4200302924		ESAX22008D	342556.05.20.01.05.1	21RE	
4200302924		ESAX22008D	769134.03.03.01.01	21RE	
4200302924		ESAX22008D	877868.02.07.01.06.0	21RE	
4200302924		ESAX22008D	825080.04.01.30.14	21RE	
4200302924		ESAX22008D	999574.01.02.01.01	21RE	
4200302924		ESAX22008D	342556.05.20.01.05.1	21RE	
4200302924		ESAX22008D	868800.01.01.02	21RE	
4200302924		ESAX22008D	136905.02.04.02.13.0	21RE	
4200302924		ESAX22008D	825080.04.01.30.08	21RE	
4200302924		ESAX22008D	292360.09.06.03.15	21RE	
4200302924		ESAX22008D	299147.01.01.02	21RE	
4200302924		ESAX22008D	698671.01.01.01.58	21RE	
4200302924		ESAX22008D	292487.08.01.07	21RE	
4200302924		ESAX22008D	246601.02.12.01.51	21RE	
4200302924		ESAX22008D	422335.06.56.01.03.0	21RE	
4200302924		ESAX22008D	877868.02.07.01.03.0	21RE	
4200302924		ESAX22008D	444543.03.01.01	21RE	
4200302924		ESAX22008D	811073.02.11.01.67	21RE	
4200302924		ESAX22008D	292487.08.01.06	21RE	
4200302924		ESAX22008D	292487.04.01.06	21RE	

b-4

b-4

b-4

b-4

4200302924	ESAX22008R	659877.02.01.02.201A	21RE
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BLOCK 14, DESCRIPTION OF MODIFICATION:

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED] This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 5, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200304845	████	CASX22009R	031102.02.01.39.981A	21RE	██████████
4200304845	████	CASX22009R	031102.02.01.39.980A	21RE	██████████0
4200304845	████	CASX22009R	031102.02.01.39.971A	21RE	██████████0
4200304845	████	SCEX22009D	422335.06.55.05.01.0	21RE	██████████
4200304845	████	CASX22009D	736466.09.02.01.08	21RE	██████████
4200304845	████	SCEX22009D	811073.02.11.01.67	21RE	██████████
4200304845	████	CASX22009D	736466.09.02.01.10	21RE	██████████
4200304845	████	CASX22009D	736466.01.01.01.02	21RE	██████████
4200304845	████	SCEX22009D	811073.02.11.01.67	21RE	██████████0
4200304845	████	EXCX22009D	377816.06.02.01.02	21RE	██████████3
4200304845	████	EXPX22009D	644423.02.39.02.06.1	21RE	██████████
4200304845	████	CASX22009R	016541.01.01.10.618D	21RE	██████████
4200304845	████	EXPX22009D	825080.04.01.30.16	21RE	██████████
4200304845	████	SCEX22009D	354171.01.07.03	21RE	██████████
4200304845	████	SCEX22009D	422335.05.71.01.01	21RE	██████████
4200304845	████	EXPX22009D	439906.04.01.01	21RE	██████████
4200304845	████	AERX22009D	877868.02.07.01.063	21RE	██████████
4200304845	████	AERX22009D	877868.02.07.01.03.3	21RE	██████████
4200304845	████	AERX22009D	698259.02.07.01.05.0	21RE	██████████
4200304845	████	AERX22009D	698259.02.07.01.05.0	21RE	██████████
4200304845	████	AERX22009D	877868.02.07.01.06.0	21RE	██████████

b-4

b-4

BLOCK 14, DESCRIPTION OF MODIFICATION:

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 18, 2009.

(2) An amount of ██████████ is obligated under this contract for payment of fee."

b-4

NNA08AF30B  
Modification No. 12

b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	<u>From</u>	<u>By</u>	<u>To</u>
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			1 3

2. AMENDMENT/MODIFICATION NO. 000013	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200304845	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B
CODE 49J93	FACILITY CODE	10B. DATED (SEE ITEM 13) 08/19/2008

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 6 and 16, 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 Schedule Net Increase: [REDACTED] *b-4*

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Anjennette Contreras-Rodriguez
16B. CONTRACTOR/OFFEROR	16C. DATE SIGNED 1/20/09
(Signature of person authorized to sign)	(Signature of Contracting Officer)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 2

2. AMENDMENT/MODIFICATION NO. 000014	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200307237	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322	(x) 9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B
	10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93	FACILITY CODE
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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) Net Increase: XXXXXXXXXX b-4  
See Schedule

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

CHECK ONE	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:
	D. OTHER (Specify type of modification and authority)
X	Contract Funding (NFS1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Anjennette Contreras-Rodriguez
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	(Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 11/20/08

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200307237	████	CASX22009D	736466.09.01.01.22	21RE	████
4200307237	████	SCEX22009D	422335.10.52.01.01	21RE	████
4200307237	████	CASX22009R	031102.02.01.07.399A	21RE	████

] b4

b4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is █████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 18, 2009.

- (2) An amount of █████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	████	████	████
Fee	████	████	████
CPFF	████	████	████

] b4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 000015	3. EFFECTIVE DATE 08/05/2009	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 49J93 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
		10B. DATED (SEE ITEM 13) 08/19/2008	

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 9 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)

Not Applicable

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) FAR 52.217-9 Option to Extend the Term of the Contract

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 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 exercise the First Option Year. (See 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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jill Willard
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA <i>Jill Willard</i> (Signature of Contracting Officer)
	16C. DATE SIGNED 8/5/09

- A. The purpose of this modification is to exercise the First Option Year Period, for an additional year. Therefore, NNA08AF30B is modified as follows:
- B. First Option Year Period is hereby exercised. Section F.2 is deleted in its entirety and replaced by the following:

**F.2 PERIOD OF PERFORMANCE**

(a) Base Period: The base period of performance of this contract shall be from August 19, 2008 through August 18, 2009 and includes a 60-day phase-in.

**(b) First Option Year: The period of performance of the first option of this contract shall be from August 19, 2009 through August 18, 2010.**

(c) Second Option Period; if exercised, the period of performance of the second option of this contract shall be from August 19, 2010, through August 18, 2011.

(d) Third Option Period: If exercised, the period of performance of the second option of this contract shall be from August 19, 2011 through August 18, 2012.

(End of Clause)

- C. Section 52 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) FEB 1998 is modified to update the FAR clause 52.216-18 *Ordering* as follows:

**52.216-18 OCT 1995 ORDERING: insert "8/19/2008" and 8/18/2010"**  
In paragraph (a).

(End of Clause)

- D. All other terms and conditions remain unchanged.

(End of Modification 15)

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 000016 See Block 16C 4200307491

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 ARC NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 ARC

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 (x)  
 9B. DATED (SEE ITEM 11)  
 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 (x)  
 10B. DATED (SEE ITEM 13) 08/19/2008  
 CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: ██████████ **64**

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer)  
 ANJENETTE CONTRERAS-RODRIGUEZ 8/19/09

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200307491	[REDACTED]	ESAX22008D	698671.01.01.01.57	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	859103.06.01.01	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	422335.06.53.01	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	422335.09.72.01	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	859103.06.01.01	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200307491	[REDACTED]	EXPX22009D	644423.02.39.02.06.1	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009R	031102.02.01.39.981A	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009D	736466.09.02.01.10	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009D	736466.09.01.01.05	21RE	[REDACTED]
4200307491	[REDACTED]	ESAX22008D	698671.01.01.01.35	21RE	[REDACTED]
4200307491	[REDACTED]	ESAX22007D	697925.01.01.13	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	422335.07.52.02.01.0	21RE	[REDACTED]
4200307491	[REDACTED]	EXPX22009D	604746.01.31.05.02.0	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009R	698671.02.01.16	21RE	[REDACTED]
4200307491	[REDACTED]	CASX22009D	736466.09.01.01.14	21RE	[REDACTED]
4200307491	[REDACTED]	SCEX22009D	422335.01.71.01	21RE	[REDACTED]

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through September 30, 2009.

- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPPF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
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2. AMENDMENT/MODIFICATION NO. 000017	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
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6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322	(x)	9A. AMENDMENT OF SOLICITATION NO.
		9B. DATED (SEE ITEM 11)
	x	10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B
		10B. DATED (SEE ITEM 13) 08/19/2008

CODE 49J93	FACILITY CODE
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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) Net Increase: XXXXXXXXXX *b4*

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of the document referenced in item 8A 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) Aniennette Contreras Rodriguez
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	(Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 8/07/09

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200310467	████	CASX22009D	869021.03.01.01.05	21RE	██████████
4200310467	████	SCEX22009D	422335.10.52.01.01	21RE	██████████
4200310467	████	EXPX22009D	644423.02.39.02.06.1	21RE	██████████
4200310467	████	AERX22009D	877868.02.07.01.06.3	21RE	██████████
4200310467	████	EXPX22009D	604746.01.31.05.02.0	21RE	██████████
4200310467	████	SCEX22009D	422335.06.55.05.01.0	21RE	██████████
4200310467	████	SCEX22009D	811073.02.11.01.77	21RE	██████████
4200310467	████	CASX22009D	736466.09.01.01.05	21RE	██████████
4200310467	████	CASX22009D	869021.01.01.01.03	21RE	██████████
4200310467	████	SCEX22009D	422335.06.56.01.03.0	21RE	██████████
4200310467	████	ESAX32007D	679925.01.01.13	21RE	██████████
4200310467	████	SCEX22009D	859103.06.01.01	21RE	██████████
4200310467	████	CASX22009R	016541.01.01.10.618D	21RE	██████████
4200310686	████	EXPX22009D	095240.04.03.02.02.0	21RE	██████████

b4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990) b4

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through October 30, 2009.

- (2) An amount of ██████████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

] b4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. - 000018	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200313235	5. PROJECT NO. (If applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 49J93	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	10B. DATED (SEE ITEM 13) 08/19/2008

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 16, 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) Net Increase: ██████████ b-4

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Anjennette Contreras-Rodriguez
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
(Signature of person authorized to sign)	(Signature of Contracting Officer)
16C. DATE SIGNED	16D. DATE SIGNED 9/17/09

NNA08AF30B  
Modification No. 18

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200313235	[REDACTED]	EXPX22009D	095240.04.03.02.02.0	21RE	[REDACTED]

b-4

**BLOCK 14, DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through November 02, 2009.

(2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
 1 3

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 000019 See Block 16C See Schedule

6. ISSUED BY CODE 7. ADMINISTERED BY (If other than Item 6) CODE  
 NASA/Ames Research Center ARC NASA/Ames Research Center  
 Acquisition Division Acquisition Division  
 M/S 241-1 M/S 241-1  
 Moffett Field CA 94035-1000 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION (x)  
 6303 IVY LANE STE 130 9B. DATED (SEE ITEM 11)  
 GREENBELT MD 20770-6322  
 10A. MODIFICATION OF CONTRACT/ORDER NO. x  
 NNA08AF30B  
 10B. DATED (SEE ITEM 13)  
 CODE 49J93 FACILITY CODE 08/19/2008

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) Net Increase: [REDACTED] b4

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

Except as provided herein, all terms and conditions of the document referenced in Item 8A 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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 (Signature of person authorized to sign) Teresa A. Marshall  
 (Signature of Contracting Officer) 9/24/09

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200312404	████	EXPX22009D	182306.06.01.02	21RE	████
4200312404	████	EXPX22009D	342556.05.20.01.05.0	21RE	████
4200312404	████	SCEX22009D	859103.06.01.03	21RE	████
4200312404	████	EXPX22009D	342556.05.20.01.06.1	21RE	████
4200312404	████	SCEX22009D	859103.06.01.01	21RE	████
4200312404	████	EXPX22009D	825080.04.01.40.01	21RE	████
4200312404	████	EXPX22009D	825080.04.01.40.02	21RE	████
4200312404	████	ESAX22008D	200081.01.01.21	21RE	████
4200312404	████	SCEX22009D	769134.03.03.01.01	21RE	████
4200312404	████	EXPX22009D	292360.09.06.04.06	21RE	████
4200312404	████	CASX22009D	736466.09.01.01.14	21RE	████
4200312404	████	ESAX22008R	659877.02.01.39.951A	21RE	████
4200312404	████	ESAX22008D	665858.01.01.03	21RE	████
4200312404	████	CASX22009D	869021.05.01.07.03	21RE	████
4200312404	████	ESAX22008D	144598.01.04.01	21RE	████
4200312404	████	EXPX22009D	936374.03.01.02	21RE	████
4200312404	████	SCEX22009D	811073.02.11.01.77	21RE	████
4200312404	████	SCEX22009D	811073.02.11.01.67	21RE	████
4200312404	████	EXPX22009D	825080.04.01.30.14	21RE	████
4200312404	████	CASX22009D	736466.09.01.01.14	21RE	████
4200312404	████	SCEX22009D	859103.06.01.01	21RE	████
4200312404	████	EXCS22008D	981155.06.01	21RE	████
4200312404	████	EXCX22008D	981155.01.01	21RE	████
4200312404	████	ESAX22008D	981155.02.01	21RE	████
4200312404	████	EXCX22008D	399774.06.01	21RE	████
4200312404	████	SCEX22009D	859103.05.01.02	21RE	████
4200312404	████	CASX22009R	031102.02.01.05.380A	21RE	████
4200312404	████	CASX22009D	736466.09.01.01.14	21RE	████
4200312404	████	EXCX22009D	377816.06.02.01.09	21RE	████
4200312404	████	EULX01122L	129985.05.01.04	21RE	████
4200312404	████	SCEX22009D	859103.06.01.05	21RE	████
4200315207	████	CASX22009D	736466.11.01.01.02	21RE	████
4200315207	████	EXPX22009D	727950.04.03.21	21RE	████
4200315207	████	CASX22009D	736466.11.01.01.03	21RE	████
4200315207	████	CASX22009D	736466.11.01.01.01	21RE	████

b-4

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

NNA08AF30B  
Modification No. 19

b-4

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through December 18, 2009.

b-4

(2) An amount of [REDACTED] is obligated under this contract for payment of fee."

b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	<u>From</u>	<u>By</u>	<u>To</u>
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
1 2

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
000020 09/25/2009

6. ISSUED BY CODE ARC 7. ADMINISTERED BY (If other than Item 6) CODE ARC  
NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
9A. AMENDMENT OF SOLICITATION NO. (x)  
9B. DATED (SEE ITEM 11)  
10A. MODIFICATION OF CONTRACT/ORDER NO. x NNA08AF30B  
10B. DATED (SEE ITEM 13) 08/19/2008  
CODE 49J93 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 \_\_\_\_\_ 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. b-4

12. ACCOUNTING AND APPROPRIATION DATA (If required) Net Decrease: \_\_\_\_\_

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

CHECK ONE  
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.  
X 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 0 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 de-obligate funds on the contract. See Page 2 to this modification.

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)  
Annette Contreras-Rodriguez  
15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
(Signature of person authorized to sign) (Signature of Contracting Officer) 9/20/09

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200315207	█	CASX22009D	736466.11.01.01.02	21RE	█
4200315207	█	EXPX22009D	727950.04.03.21	21RE	█
4200315207	█	CASX22009D	736466.11.01.01.03	21RE	█
4200315207	█	CASX22009D	736466.11.01.01.01	21RE	█

b-4

b-4

BLOCK 14, DESCRIPTION OF MODIFICATION:

a. Paragraph B.3., CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is █. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through December 11, 2009.
- (2) An amount of █ is obligated under this contract for payment of fee."
- (3) In summary, the total amount obligated under this contract is decreased as follows:

b-4

b-4

	From	By	To
Estimated Cost	█	█	█
Fee	█	█	█
CPFF	█	█	█

b-4

b. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 000021	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (if other than item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 49J93	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: XXXXXXXXXX  
See Schedule

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)	15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Anjennette Contreras-Rodriguez
16B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	16C. DATE SIGNED 9/25/07
15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200312895	█	SCEX22009D	399131.02.06.01.99	21RE	█
4200312895	█	SCEX22009D	399131.02.10.01.19	21RE	█
4200312895	█	SCEX22009D	381269.01.02	21RE	█
4200312895	█	SCEX22009D	381269.01.03	21RE	█
4200315303	█	SCEX22009D	649056.06.20.04	21RE	█
4200315303	█	SCEX22009D	649056.01.20.05	21RE	█
4200315303	█	SECX22009D	381269.01.02	21RE	█
4200315411	█	AERX22009D	411931.02.07.01.03	21R	█
4200315411	█	CASX22009R	292487.08.01.07	21R	█
4200315411	█	CASX22009R	292487.08.01.07	21R	█

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is █. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through January 8, 2010.

(2) An amount of █ is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	█	█	█
Fee	█	█	█
CPFF	█	█	█

] b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 000022	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200322442	5. PROJECT NO. (if applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (if other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 49J93		FACILITY CODE	
		(x) 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
		10B. DATED (SEE ITEM 13) 08/19/2008	

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)

Net Increase: [REDACTED] *0-4*

See Schedule

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

CHECK ONE	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:
	D. OTHER (Specify type of modification and authority)
X	Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Anjennette Contreras-Rodriguez	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA <i>[Signature]</i> (Signature of Contracting Officer)	16C. DATE SIGNED 12/9/09

NSN 7540-01-152-8070  
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200322442			342556.05.20.01.01.03	21RE	

b-4

BLOCK 14, DESCRIPTION OF MODIFICATION:

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED] This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through January 13, 2010.

- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 000023 See Block 16C See Schedule

6. ISSUED BY CODE ARC 7. ADMINISTERED BY (If other than item 6) CODE ARC  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 9B. DATED (SEE ITEM 11)  
 9C. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 9D. DATED (SEE ITEM 13) 08/19/2008  
 CODE 49J93 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 \_\_\_\_\_ 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) Net Increase: XXXXXXXXXX b4

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  
 CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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)  
 15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 16B. UNITED STATES OF AMERICA 16C. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer) 12/17/09

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200022506	████	EXPX22010D	825080.01.01.30.01	21RE	██████████
4200022506	████	SCEX22010D	422335.10.52.01.01	21RE	██████████
4200022506	████	EXPX22009D	292360.09.06.03.16	21RE	██████████
4200322540	████	SCEX22010D	063015.01.02.01	21RE	██████████
4200322445	████	EXCX22010D	377816.06.02.01.02	21RE	██████████
4200321112	████	EXPX22010D	644423.02.39.02.06.0	21RE	██████████
4200320747	████	SCEX22010D	422335.10.52.01.01	21RE	██████████
4200320747	████	EXPX22010D	644423.02.39.02.06.0	21RE	██████████
4200320619	████	CASX22009R	031102.02.01.07.399A	21RE	██████████
4200320619	████	CASX22009R	031102.02.01.27.388A	21RE	██████████
4200320619	████	CASX22009R	031102.02.01.39.973A	21RE	██████████
4200320619	████	AERX22010D	645846.02.07.01.13.0	21RE	██████████
4200320619	████	CASX22010D	869021.05.01.01.09	21RE	██████████
4200320619	████	SCEX22010D	422335.06.59.01.01.0	21RE	██████████
4200320619	████	EXPX22010D	825080.04.01.30.18	21RE	██████████

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through February 24, 2010.
- (2) An amount of ██████████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

] b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES	
			1	2
2. AMENDMENT/MODIFICATION NO. 000024	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200324054	5. PROJECT NO. (If applicable)	
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE	ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(X) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)	
CODE 49J93 FACILITY CODE		X 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	10B. DATED (SEE ITEM 13) 08/19/2008	

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 Schedule

Net Increase: ██████████

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.

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) Angenette Contreras-Rodriguez
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 1/28/10

NSN 7540-01-152-9070  
Previous edition unusable

STANDARD FORM 30 (REV. 10-83)  
Prescribed by GSA  
FAR (48 CFR) 53.243

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200324054	[REDACTED]	CASX22009R	031102.02.01.39.973A	21RE	[REDACTED]
4200324054	[REDACTED]	CASX22009R	698671.02.01.30	21RE	[REDACTED]
4200324054	[REDACTED]	EXPX22010D	825080.04.01.30.14	21RE	[REDACTED]
4200324054	[REDACTED]	CASX22010D	432938.09.01.01.10	21RE	[REDACTED]
4200324054	[REDACTED]	AERX22010D	877868.02.07.01.03.0	21RE	[REDACTED]
4200324054	[REDACTED]	AERX22010D	877868.02.07.01.03.0	21RE	[REDACTED]
4200324054	[REDACTED]	AERX22009D	411931.02.02.01.21	21RE	[REDACTED]

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through March 12, 2010.
- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES  
 1 2

2. AMENDMENT/MODIFICATION NO. 3. EFFECTIVE DATE 4. REQUISITION/PURCHASE REQ. NO. 5. PROJECT NO. (If applicable)  
 000025 See Block 16C See Schedule

6. ISSUED BY CODE ARC 7. ADMINISTERED BY (If other than Item 6) CODE ARC  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000  
 NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) 9A. AMENDMENT OF SOLICITATION NO.  
 ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322  
 9B. DATED (SEE ITEM 11)  
 9. CODE 49J93 FACILITY CODE 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B  
 10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: See Schedule

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

CHECK ONE  
 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:  
 D. OTHER (Specify type of modification and authority)  
 X Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.

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) 15B. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)  
 Annette Contreras-Rodriguez

15B. CONTRACTOR/OFFEROR 15C. DATE SIGNED 15D. UNITED STATES OF AMERICA 15E. DATE SIGNED  
 (Signature of person authorized to sign) (Signature of Contracting Officer)

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200326265	█	CASX22009R	31102.02.01.07.399A	21RE	█
4200326265	█	EXCX22010D	377816.06.02.01.13	21RE	█
4200326265	█	SCEX22010D	106148.03.01.01	21RE	█
4200326265	█	EXPX22009D	095240.04.02.22.02	21RE	█
4200326265	█	SCEX21010D	422335.07.52.02.01.0	21RE	█
4200326265	█	EXCX22010D	377816.06.02.01.02	21RE	█
4200326265	█	SCEX22010D	422335.02.31.01	21RE	█
4200326265	█	EXPX22010D	825855.04.03.02.05	21RE	█
4200317355	█	EXPX22010D	439906.04.01.01	21RE	█

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is █. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through March 16, 2010.

(2) An amount of █ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	█	█	█
Fee	█	█	█
CPFF	█	█	█

b-4

- c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 000026	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200330263	1   1
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	6. PROJECT NO. (If applicable)
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 49J93		10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
FACILITY CODE		10B. DATED (SEE ITEM 13) 08/19/2008	

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) Net Increase: XXXXXXXXXX b4

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Teresa A. Marshall
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	18B. UNITED STATES OF AMERICA <i>Teresa A. Marshall</i> (Signature of Contracting Officer)
	18C. DATE SIGNED 3/10/10

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200330263	████	EXPX22009D	342556.05.20.01.01.0	21PL	████
4200330263	████	EXPX22010D	825080.04.01.30.10	21RD	████
4200330263	████	EXCX22010D	377819.06.02.01.02	21PX	████
4200330263	████	EXCX22010D	378343.10.01.04.02	21PX	████
4200330263	████	EXCX22010D	378343.10.01.04.02	21RD	████
4200330263	████	EXPX22010D	825080.04.01.30.14	21RD	████
4200330263	████	EXPX22010D	825080.04.01.30.15	21RD	████
4200330263	████	CASX22009R	698671.02.01.16	21PK	████
4200330263	████	SCEX22010D	859103.05.01.02.02	21PK	████
4200330263	████	SCEX22010D	859103.05.01.02.06	21RE	████
4200330263	████	EXCX22010D	422335.01.71.01	21PQ	████
4200330263	████	SCEX22010D	422335.01.31.01	21PQ	████
4200330263	████	SCEX22010D	859103.06.01.01	21PK	████
4200330263	████	SCEX22010D	031102.02.01.22.484A	21PX	████
4200330263	████	CASX22010R	877868.02.07.01.03.0	21AUA	████
4200330263	████	AERX22010D	122711.03.08.01.01	21AOI	████
4200330263	████	AERX22010D	269027.04.01.02	21VC	████

b-4

b-k

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990) b-k

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through April 21, 2010.

- (2) An amount of ██████████ is obligated under this contract for payment of fee.” b-k

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO. 000027		3. EFFECTIVE DATE See Block 16C		1   3	
4. REQUISITION/PURCHASE REQ. NO. See Schedule		5. PROJECT NO. (If applicable)			
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000		7. ADMINISTERED BY (If other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000		CODE ARC	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		9A. AMENDMENT OF SOLICITATION NO. (x)		9B. DATED (SEE ITEM 11)	
CODE 49J93		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
				10B. DATED (SEE ITEM 13) 08/19/2008	
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 Schedule Net Increase: ██████████ **DA**

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not.  is required to sign this document and return 0 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 incrementally fund the contract. See Page 2 to this modification.  
FOB: Destination

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)	
		Teresa A. Marshall	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNIFIED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		<i>Teresa A. Marshall</i> (Signature of Contracting Officer)	4/13/10

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200330212		CASX22010R	016541.01.01.10.746D	21CF	
4200330212		SCEX22010D	422335.09.74.01	21PQ	
4200330212		EXPX22010D	644423.02.39.02.06.0	21PT	
4200330212		CASX22010R	016541.01.01.10.763D	21CF	
4200334319		SCEX22010D	422335.07.52.02.01.0	21PQ	
4200334319		EXPX22010D	825080.04.01.30.27.0	21PX	
4200334319		AERX22010D	984754.02.07.01.14.0	21AOX	
4200334319		CASX22009R	698671.02.01.38	21SGG	
4200334319		SCEX22010D	422335.07.52.02.01.0	21PQ	
4200334319		CASX22010D	432938.11.01.01.03	21RM	
4200334319		EXPX22010D	644423.02.39.02.06.1	21RM	
4200334319		EXPX22010D	825080.04.01.30.27.0	21PX	
4200334319		CASX22009R	698671.02.01.38	21SGG	
4200334484		EXPX22009D	644423.02.39.02.06.1	21PT	
4200334484		EXPX22010D	644423.02.39.02.06.1	21PT	
4200334484		CASX22010R	31102.02.01.05.482A	21AM	
4200334484		SCEX22010D	859103.06.01.03	21PK	
4200334484		SCEX22010D	859103.06.01.01	21PK	
4200334484		CASX22010D	736466.06.04.01.02	21JCE	
4200334484		SCEX22010D	859103.05.01.02.06	21PK	
4200335574		CASX22010R	833011.02.01.51.505A	21RE	
4200335574		EXPX22010D	644423.02.39.02.06.1	21RE	
4200335574		EXPX22010D	825080.04.01.30.16	21RE	
4200335574		CASX22010D	432938.09.02.01.03	21SST	
4200335574		EXPX22010D	825080.01.01.30.01	21RE	
4200335574		SCEX22010D	422335.02.31.01	21PQ	
4200335574		EXPX22010D	644423.02.39.02.06.1	21AOX	
4200335574		CASX22010R	031102.02.01.05.482A	21AM	
4200335574		EXPX22010D	825080.04.01.30.26	21PX	
4200335574		CASX22010R	016541.01.01.10.746D	21CF	
4200326643		CASX22010D	869021.05.01.01.11	21RM	
4200326643		SCEX22010D	422335.09.72.01	21RM	
4200326643		EXPX22010D	431731.04.03.02	21TI	
4200326643		SCEX22010D	811073.02.01.01.16.0	21TSF	
4200326643		AERX22010D	877868.02.07.01.03.0	21AUA	
4200326643		CASX22010D	869021.05.01.01.11	21AOX	
4200326643		AERX22010D	984754.02.07.01.14.0	21AOX	
4200326643		EXPX22010D	825080.04.01.30.27.0	21PX	
4200326643		SCEX22010D	269027.04.01.02	21VC	
4200326643		CASX22010D	999574.01.02.01.05	21TSF	
4200326643		AERX22010D	877868.02.07.06.0	21AUA	
4200326643		CASX22009R	698671.02.01.38	21SGG	
4200326643		CASX22009R	698671.02.01.36	21AOX	
4200326643		EXCX22010D	378343.10.01.04.02	21PK	
4200326643		AERX22010D	877868.02.07.01.03.0	21AUA	

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4200326643	[REDACTED]	EXPX22010D	439906.04.01.01	21SCB	[REDACTED]
4200326643	[REDACTED]	AERX22010D	877868.02.07.01.06.0	21AUA	[REDACTED]
4200326643	[REDACTED]	EXPX22010D	431731.04.03.02	21TI	[REDACTED]
4200326643	[REDACTED]	AERX22010D	877868.02.07.01.03.0	21AUA	[REDACTED]
4200326643	[REDACTED]	AERX22010D	877868.02.07.01.03.0	21AUA	[REDACTED]
4200326643	[REDACTED]	SCEX22010D	422335.06.56.01.03.0	21PQ	[REDACTED]
4200326643	[REDACTED]	CASX22010R	031102.02.01.39.906B	21XY	[REDACTED]
4200326643	[REDACTED]	CASX22010D	869021.05.01.01.11	21AOX	[REDACTED]
4200326643	[REDACTED]	EXPX22010D	431731.04.03.02	21TI	[REDACTED]
4200326643	[REDACTED]	EULX00115R	013779.01.01.01.637C	21JCM	[REDACTED]
4200326643	[REDACTED]	CASX22010R	031102.02.01.39.906B	21XY	[REDACTED]
4200326643	[REDACTED]	SCEX22010D	106148.03.01.06	21TN	[REDACTED]
4200326643	[REDACTED]	EXPX22009D	342556.05.20.01.01.0	21PX	[REDACTED]
4200326643	[REDACTED]	EXPX22010D	431731.04.03.02	21TI	[REDACTED]
4200326643	[REDACTED]	SCEX22010D	422335.09.72.01	21PQ	[REDACTED]
4200326643	[REDACTED]	AERX22010D	877868.02.07.01.03.0	21AUA	[REDACTED]
4200326643	[REDACTED]	SCEX22010D	422335.06.56.01.03.0	21PQ	[REDACTED]

b4

**BLOCK 14, DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is [REDACTED]. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through June 10, 2010.

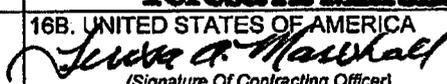
- (2) An amount of [REDACTED] is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT I D CODE		PAGE OF PAGES	
					1	3
AMENDMENT/MOD NO. 28		3. EFFECTIVE DATE 5/13/2010		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO.
NASA Ames Research Center Mail Stop 213-13 Moffett Field, CA 94035-1000			7. ADMINISTERED BY		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, County, State and ZIP Code)				(9) 9A. AMENDMENT OF SOLICITATION NO.		
ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE SUITE 130 GREENBELT MD 20770-6322				<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 8/19/08		
CODE 49J93		FACILITY CODE		(10) 10A. MOD. OF CONTRACT/ORDER No.		
				<input type="checkbox"/> 10B. DATED (SEE ITEM 13)		
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 OR 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 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 Schedule		Net Increase: 		b4 Financial Management		
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).						
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
<input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81)(JUN 1990)						
IMPORTANT: Contractor IS NOT 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.)						
The purpose of this modification is to incrementally fund the contract. See Page 2 to this modification.						
cept 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			
			Teresa A. Marshall			
15B. CONTRACTOR/OFFEROR				16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
(Signature of person authorized to sign)						5/13/10
				(Signature Of Contracting Officer)		
NSN 7540-01-152-8070 PREVIOUS EDITION UNUSABLE			30-105		STANDARD FORM 30 (REV. 10-83) ES Prescribed by GSA FPMR (41 CFR)	

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200338088	████	CASX22009R	031102.02.01.07.399A	21AT	████
4200338088	████	CASX22010R	031102.02.01.02.230A	21AT	████
4200338088	████	EXCX22010D	377816.06.02.01.09	21RE	████
4200338088	████	SCEX22010D	859103.06.01.01	21REM	████
4200338088	████	SCEX22010D	422335.06.59.01.01.0	21PQ	████
4200338088	████	EXPX22010D	644423.06.31.04.03.0	21PT	████
4200338088	████	CASX22010D	736466.06.04.01.02	21JCE	████
4200338088	████	CASX22009R	698671.02.01.32	21RD	████
4200338088	████	CASX22009R	698671.02.01.30	21RD	████
4200338088	████	SCEX22009D	811073.02.11.01.67	21RD	████
4200338088	████	EXCX22010D	377816.06.02.01.13	21RE	████
4200338088	████	EXPX22010D	825080.04.01.30.26	21PX	████
4200338088	████	EXPX22010D	825080.04.01.30.30	21PX	████
4200338088	████	CASX22010R	031102.02.01.22.501A	21PX	████
4200338088	████	CASX22010R	031102.02.01.39.906B	21RE	████
4200331520	████	CASX22010D	432938.11.01.01.03	21RM	████
4200332660	████	CASX22010R	031102.02.01.22.501A	21PX	████
4200332660	████	AERX22010D	698259.02.07.01.05.0	21TI	████
4200332660	████	CASX22010D	736466.06.04.01.02	21JCE	████
4200332660	████	SCEX22010D	422335.06.56.01.03.0	21PQ	████
4200332660	████	EXPX22010D	644423.02.39.02.06.1	21PT	████
4200332660	████	EXPX22010D	644423.02.39.02.06.0	21PT	████
4200332660	████	CASX22010R	016541.01.01.10.746D	21CF	████
4200339288	████	AERX22009D	411931.02.02.01.21	21A	████
4200339288	████	EDUX22010D	387780.04.02.01.05	21RE	████
4200339288	████	SCEX22010D	422335.06.56.01.03.0	21PQ	████
4200339288	████	AERX22010D	122711.03.09.01.01.0	21AOI	████

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 18, 2010.
- (2) An amount of ██████████ is obligated under this contract for payment of fee.”

b-4

b-4

NNA08AF30B  
Modification No. 28

b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	<u>From</u>	<u>By</u>	<u>To</u>
Estimated Cost	[REDACTED]	[REDACTED]	[REDACTED]
Fee	[REDACTED]	[REDACTED]	[REDACTED]
CPFF	[REDACTED]	[REDACTED]	[REDACTED]

] b4

c. All other terms and conditions remain unchanged.

- End of Modification -

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 000029	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. See Schedule	5. PROJECT NO. (if applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (if other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	
		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	
		10B. DATED (SEE ITEM 13) 08/19/2008	
CODE 49J93	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 \_\_\_\_\_ 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) Net Increase: [REDACTED] **b7A**  
See Schedule

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 \_\_\_\_\_ 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 incrementally fund the contract. See Page 2 to this modification.

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) Teresa A. Marshall
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA <i>Teresa A. Marshall</i> (Signature of Contracting Officer)
15C. DATE SIGNED	16C. DATE SIGNED 6/3/10
(Signature of person authorized to sign)	

**BLOCK 12. ACCOUNTING AND APPROPRIATION DATA**

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200337440	████	EXPX22010D	095240.04.02.25.01.0	21RE	████
4200337440	████	EXPX22010D	095240.04.03.02.31.0	21RE	████
4200337440	████	EXPX22010D	095240.04.03.02.33.0	21RE	████
4200342796	████	CASX22010R	031102.01.22.501A	21PX	████
4200342796	████	EXPX22010D	644423.02.39.02.06.1	21PT	████
4200342796	████	SCEX22010D	859103.02.01	21PK	████
4200342796	████	SCEX22010D	859103.06.01.06	21PK	████
4200342796	████	EXPX22010D	825080.04.01.30.29	21RD	████
4200342796	████	EXPX22010D	825080.04.01.30.22	21RD	████
4200342796	████	SCEX22009D	422335.05.71.01.01	21PQ	████
4200342796	████	AERX22010D	698259.02.07.01.05.0	21TI	████
4200342796	████	SCEX22010D	422335.10.52.01.01	21REE	████

b-4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

"B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

- (1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 18, 2010.

- (2) An amount of ██████████ is obligated under this contract for payment of fee."

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPFF	██████████	██████████	██████████

b-4

- c. All other terms and conditions remain unchanged.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 000030	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 4200344626	5. PROJECT NO. (if applicable)
6. ISSUED BY NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC	7. ADMINISTERED BY (if other than Item 6) NASA/Ames Research Center Acquisition Division M/S 241-1 Moffett Field CA 94035-1000	CODE ARC
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ASRC RESEARCH & TECHNOLOGY SOLUTION 6303 IVY LANE STE 130 GREENBELT MD 20770-6322		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 49J93	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. NNA08AF30B	10B. DATED (SEE ITEM 13) 08/19/2008

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) Net Increase: [REDACTED] **b4**  
See Schedule

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

CHECK ONE	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	D. OTHER (Specify type of modification and authority) Contract Funding (NFS 1852.232-81) (JUN 1990)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ 0 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 incrementally fund the contract. See Page 2 to this modification.

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) Anjennette Contreras-Rodriguez	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Anjennette Contreras-Rodriguez
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	(Signature of Contracting Officer)
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED 12/21/10

BLOCK 12. ACCOUNTING AND APPROPRIATION DATA

PR Number	Line Item	Fund	WBS	Cost Center	Amount Obligated
4200344626	██████	EXPX22009D	342556.05.20.01.01.0	21PL	██████████
4200344626	██████	CASX22010R	031102.02.01.22.501A	21PX	██████████
4200344626	██████	EXPX22010D	292360.09.06.03.16	21RE	██████████
4200344626	██████	AERX22009D	411931.02.02.01.21	21A	██████████
4200344626	██████	AERX22010D	309574.02.10.01	21A	██████████
4200344626	██████	SCEX22010D	859103.05.01.02.11	21SST	██████████

b4

b4

**BLOCK 14. DESCRIPTION OF MODIFICATION:**

- a. Paragraph B.3, CONTRACT FUNDING, is deleted in its entirety and replaced with the following:

“B.3 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990)

(1) For the purpose of the payment of cost, exclusive of fee, pursuant to the Limitation of Funds clause, the total amount allotted by the Government to this contract NNA08AF30B is ██████████. This allotment is for Research and Development Engineering Services, and covers the following estimated period of performance: August 19, 2008 through August 18, 2010.

(2) An amount of ██████████ is obligated under this contract for payment of fee.”

- b. In full consideration for the change described above, the total amount obligated under this contract is increased as follows:

	From	By	To
Estimated Cost	██████████	██████████	██████████
Fee	██████████	██████████	██████████
CPEF	██████████	██████████	██████████

b4

- c. All other terms and conditions remain unchanged.

- End of Modification -