

<b>SOLICITATION, OFFER AND AWARD</b>		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFG 700) <b>DO</b>		RATING <b>C9</b>	PAGE OF PAGES <b>1 80</b>
2. CONTRACT NO.	3. SOLICITATION NO. <b>NNA07198991R-ACA</b>	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED <b>October 28, 2008</b>	6. REQUISITION/PURCHASE NO. <b>4200198991</b>	
7. ISSUED BY <b>NASA Ames Research Center Attn: Lana Jones Clemon, 241-1 Moffett Field, CA 94035-1000</b>		CODE	8. ADDRESS OFFER TO (If other than Item 7)		

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder"

**SOLICITATION**

9. Sealed offers in original and 6 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8 or, if handcarried, in the depository located in **Bldg. 241, Room 217** until **1:00 PM** local time on **December 12, 2008**.

CAUTION — LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME <b>Lana Jones Clemon</b>	B. TELEPHONE NO. (NO COLLECT CALLS) <b>(650) 604-5830</b>	C. EMAIL ADDRESS <b>Lana.Jones.Clemon@nasa.gov</b>
---------------------------	-------------------------------------	--	---

**11. TABLE OF CONTENTS**

(✓)	SEC.	DESCRIPTION	PAGE(S)	(✓)	SEC.	DESCRIPTION	PAGE(S)	
		<b>PART I - THE SCHEDULE</b>					<b>PART II - CONTRACT CLAUSES</b>	
	A	SOLICITATION/CONTRACT FORM				CONTRACT CLAUSES		
	B	SUPPLIES OR SERVICES AND PRICE/COST				MENTS, EXHIBITS AND OTHER ATTACH.		
	C	DESCRIPTION/SPECS./WORK STATEMENT				MENTS		
	D	PACKAGING AND MARKING				PART IV - REPRESENTATIONS AND INSTRUCTIONS		
	E	INSPECTION AND ACCEPTANCE			K	REPRESENTATIONS, CERTIFICATIONS		
	F	DELIVERIES OR PERFORMANCE				AND OTHER STATEMENTS OF OFFERORS		
	G	CONTRACT ADMINISTRATION DATA			L	INSTRS., CONDS., AND NOTICES TO OFFERORS		
	H	SPECIAL CONTRACT REQUIREMENTS			M	EVALUATION FACTORS FOR AWARD		

**SEE FOLLOWING PAGE**

**OFFER (Must be fully completed by offeror)**

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 180 calendar days (*60 calendar days unless a different period is inserted by the offeror*) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT <i>(See Section I, Clause No. 52.232-8)</i>	10 CALENDAR DAYS %	20 CALENDAR DAYS %	30 CALENDAR DAYS %	CALENDAR DAYS %
14. ACKNOWLEDGMENT OF AMENDMENTS <i>(The offeror acknowledges receipt of amendments to the</i> <b>SOLICITATION for offerors and related documents</b> <i>numbered and dated:</i>	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)
15B. TELEPHONE NO. AREA CODE NUMBER EXT	<input type="checkbox"/> 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.		17. SIGNATURE
			18. OFFER DATE

**AWARD (To be completed by Government)**

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c) ( 5 ) <input type="checkbox"/> 41 U.S.C. 253(c) ( )	23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM <b>25</b>	
24. ADMINISTERED BY (If other than Item 7) <b>See Block 7</b>	CODE	25. PAYMENT WILL BE MADE BY <b>NSSC – FMD Accounts Payable Bldg. 1111, C. Road Stennis Space Center, MS 39529</b>	CODE <b>CFS:203-18</b>
26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA  <i>(Signature of Contracting Officer)</i>		28. AWARD DATE

IMPORTANT -- Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

**TABLE OF CONTENTS**

SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS ..... 1

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

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

    B.3 SUPPLEMENTAL TASK ORDERING PROCEDURES (COST REIMBURSEMENT).....2

    B.4 LIMITATION OF INDIRECT COSTS.....3

    B.5 ESTIMATED COST INCREASES.....3

    B.6 ESTIMATED COST AND FIXED FEE (NFS 1852.216-74) (DECEMBER 1991) .....4

    B.7 CONTRACT FUNDING (NFS 1852.232-81) (JUN 1990) .....4

    B.8. LIMITATIONS ON PERIOD OF PERFORMANCE .....4

SECTION C – DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK ..... 1

    C.1 DESCRIPTION/SPECIFICATION/WORK STATEMENT .....1

SECTION D – PACKAGING AND MARKING..... 1

    D.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE .....1

SECTION E – INSPECTION AND ACCEPTANCE..... 1

    E.1 CLAUSES INCORPORATED BY REFERENCE .....1

    E.2. MATERIAL INSPECTION AND RECEIVING REPORT (NFS 1852.246-72) (AUG 2003) 1

SECTION F – DELIVERIES AND PERFORMANCE ..... 1

    F.1 CLAUSES INCORPORATED BY REFERENCE .....1

    F.2 PERIOD OF PERFORMANCE .....1

    F.3 PLACE OF PERFORMANCE .....1

    F.4 DELIVERY SCHEDULE .....2

    F.5 DELIVERY OF REPORTS .....2

    F.6. NOTICE OF DELAY (ARC 52.249-90) (FEB 1997).....2

SECTION G – CONTRACT ADMINISTRATION DATA..... 1

    G.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE .....1

    G.2 RESERVED.....1

    G.3 SUBMISSION OF VOUCHERS FOR PAYMENT. (NFS 1852.216-87) (MAR 1998) .....1

    G.4 DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND PATENT REPRESENTATIVE. (NFS 1852.227-72) (JUL 1997).....3

    G.5 TECHNICAL DIRECTION. (NFS 1852.242-70) (SEP 1993) .....3

    G.6 CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED PROPERTY (DEVIATION) (NFS 1852.245-70) (SEP 2007).....4

    G.7 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (DEVIATION) (NFS 1852.245-71) (SEP 2007) .....5

    G.8. IDENTIFICATION AND MARKING OF GOVERNMENT EQUIPMENT (DEVIATION) (NFS 1852.245-74) (SEP 2007).....6

    G.9 PROPERTY MANAGEMENT CHANGES (DEVIATION) (NFS 1852.245-75) (SEP 2007) . .....7

SECTION H – SPECIAL CONTRACT REQUIREMENTS ..... 1

    H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE .....1

    H.2 ORGANIZATIONAL CONFLICTS OF INTEREST, AND LIMITATION OF FUTURE CONTRACTING.....1

    H.3 TASK ORDER PROCEDURE (NFS 1852.216-80) (OCT 1996).....3

    H.4 KEY PERSONNEL AND FACILITIES. (NFS 1852.235-71) (MAR 1989) .....4

    H.5 ADDITIONAL REPORTS OF WORK – RESEARCH AND DEVELOPMENT (NFS 1852.235-74) (FEB 2003) .....5

    H.6 EMERGENCY PREPAREDNESS AND RESPONSE (ARC 52.223-90) (SEP 2007) .....5

    H.7 DISASTER ASSISTANCE AND RESCUE TEAM (DART) PARTICIPATION (ARC 52.223-91) (APR 2004).....6

H.8	SUBCONTRACTING AND DATA RIGHTS (ARC 52.227-97) (OCT 2006)	
	ALTERNATE I (OCT 2006).....	6
H.9	INFORMATION INCIDENTAL TO CONTRACT ADMINISTRATION .....	7
	(ARC 52.227-98) (OCT 2004).....	7
H.10	PATENT RIGHTS.....	7
H.11	PERFORMANCE ASSESSMENT.....	7
H.12	INCORPORATION OF THE CONTRACTOR'S PROPOSAL.....	8
H.13	MANAGEMENT AND PROTECTION OF DATA (ARC 52.227-93) (JUL 1988) .....	8
H.14	HANDLING OF DATA (ARC 52.227-96) (JUN 1989) .....	8
H.15	SEVERANCE PAY (ARC 52.231-90) (JUN 2008) .....	9
PART II - CONTRACT CLAUSES.....		1
SECTION I – CONTRACT CLAUSES .....		1
I.1	CLAUSES INCORPORATED BY REFERENCE. 52.252-2 (FEB 1998) .....	1
I.2	LISTING OF CLAUSES INCORPORATED BY REFERENCE .....	1
I.3	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (FAR 52.204-9) (SEP 2007) .....	4
I.4	NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES. (FAR 52.222-39) (DEC 2004) .....	7
I.5	RIGHTS TO PROPOSAL DATA (TECHNICAL). (FAR 52.227-23) (JUNE 1987) .....	9
I.6	OMBUDSMAN. (NFS 1852.215-84) (OCT 2003) .....	9
I.7	SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION TECHNOLOGY RESOURCES. (NFS 1852.204-76) (MAY 2008) (DEVIATION).....	10
I.8.	AUTHORIZED DEVIATIONS IN CLAUSES (FAR 52.252-6)(APR 1984).....	12
PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS .....		1
SECTION J – LIST OF ATTACHMENTS.....		1
J.1	LIST OF DOCUMENTS, EXHIBITS, AND ATTACHMENTS .....	1
PART IV - REPRESENTATIONS AND INSTRUCTIONS .....		1
SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS .....		1
K.1	ANNUAL REPRESENTATIONS AND CERTIFICATIONS. (FAR 52.204-8) (JAN 2006) .1	
K.2	REPRESENTATION OF LIMITED RIGHTS DATA AND RESTRICTED COMPUTER SOFTWARE. (FAR 52.227-15) (DEC 2007).....	2
K.3.	USE OF GOVERNMENT-OWNED PROPERTY. (NFS 1852.245-79) (DEVIATION) (SEP 2007).....	2
SECTION L – INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS .....		1
L.1	LISTING OF CLAUSES INCORPORATED BY REFERENCE .....	1
L.2	TYPE OF CONTRACT. (FAR 52.216-1) (APR 1984).....	2
L.3	SERVICE OF PROTEST. (FAR52.233-2) (SEP 2006).....	2
L.4	PREPROPOSAL/PRE-BID CONFERENCE. (NFS 1852.215-77) (DEC1988).....	2
L.5	PROPOSAL PAGE LIMITATIONS.....	3
L.6	SAFETY AND HEALTH PLAN. (NFS 1852.223-73) (NOV 2004).....	3
L.7	PROPOSAL PREPARATION--GENERAL INSTRUCTIONS.....	4
L.8	RESERVED.....	7
L.9	PROPOSAL PREPARATION--SPECIFIC INSTRUCTIONS .....	7
L.10	LIST OF AVAILABLE GOVERNMENT PROPERTY (DEVIATION) (NFS 1852.245-81) (SEP 2007).....	22
L.11	PATENT RIGHTS CLAUSES. (NFS 1852.227-84) (DEC 1989) .....	23
SECTION M – EVALUATION FACTORS FOR AWARD .....		1
M.1	LISTING OF PROVISIONS INCORPORATED BY REFERENCE .....	1
M.2	EVALUATION APPROACH .....	1
M.3	WEIGHTING AND SCORING .....	14

SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

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

(a) This is an Indefinite Delivery Indefinite Quantity (IDIQ), Cost Plus Fixed Fee (CPFF) 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/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. Amount
*01	Space Technology Research And Development for the Phase-In Period set forth in Section F., paragraph F.2 (a), in accordance with the Phase-In Plan.	1	Job	\$ _____
02	Space Technology Research And Development for the Base Period set forth in Section F., paragraph F.2 (b); including the Contract Data Requirements List set forth in Attachment J.1.(a) 2	TBD	Task Orders	Based on Task Orders

\*Line Item No. 01: 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	5. Amount
<b>OPTION PERIOD 1</b>				
03	Space Technology Research And Development set forth in Section F., paragraph F.2 (c); including the Contract Data Requirements List set forth in Attachment J.1.(a) 2	TBD	Task Orders	Based on Task Orders
<b>OPTION PERIOD 2</b>				
04	Space Technology Research And Development set forth in Section F., paragraph F.2 (d); including the Contract Data Requirements List set forth in Attachment J.1.(a) 2	TBD	Task Orders	Based on Task Orders
<b>OPTION PERIOD 3</b>				
05	Space Technology Research And Development set forth in Section F., paragraph F.2 (e); including the Contract Data Requirements List set forth in Attachment J.1.(a) 2	TBD	Task Orders	Based on 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 **\$250,000 (Estimated Cost and Fixed Fee)**. The maximum amount of supplies or services that may be ordered during the effective period of this contract is **\$45,000,000 (Estimated Cost and Fixed Fee)**. All orders placed under this contract will be applied to the minimum and maximum specified in this paragraph.

(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 J.1(a) 5 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 J.1(a) 5 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 J.1(a) 5 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 the task order.

(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 indirect cost ceiling rates to the appropriate base(s) as set forth in Attachment J.1(a) 5.
- 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 scope of the task, and any deliverables thereunder, shall be defined in sufficient detail for the Government and the contractor to distinguish between changes in scope and overrun. In the event the contractor is unable to complete the task within the hours set forth in the task order, additional hours under the task shall be considered non-fee bearing, unless the CO modifies the task to recognize additional or revised requirements. On cost-plus-fixed-fee contracts, a fixed fee shall be established for each task based on projected hours. In the event the contractor requires additional hours to complete the task due to an overrun, no additional fee will be paid for the additional hours.
- (b) 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.
- (c) 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.
- (d) (1) The proposal shall be submitted in the following format unless some other format is directed or approved by the Contracting Officer:

Incurred 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.

(e) In rare circumstances, changes in task focus may require the addition of labor categories beyond the categories included in J.1(a)5. In these cases a request must be submitted by the contractor to the Contracting Officer, demonstrating the insufficiency of the existing labor categories, a description of the proposed labor category including the education and experience levels, proposed and ceiling labor rates, and a cross reference to other contracts that include the proposed labor categories. These additional labor categories, rates and descriptions will be negotiated on a case-by-case basis, and upon determination by the Government that they are fair and reasonable, will be incorporated by modification into Section B of the contract.

(END OF CLAUSE)

**B.6 ESTIMATED COST AND FIXED FEE (NFS 1852.216-74) (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 (NFS 1852.232-81) (JUN 1990)**

(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 \$\_\_\_\_\_. This allotment is for costs and covers the following estimated period of performance:

\_\_\_\_\_.

(b) An additional amount of \$\_\_\_\_\_ is obligated under this contract for payment of fee.

SUMMARY OF CONTRACT FUNDING	FROM	BY	TO
Estimated Cost	TBD	TBD	TBD
Fixed Fee	TBD	TBD	TBD
Total Cost Plus Fixed Fee	TBD	TBD	TBD

(END OF CLAUSE)

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

The period of performance for issuing task orders under this contract is for two years from the effective date of the contract. This contract also includes three 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/STATEMENT OF WORK

**C.1 DESCRIPTION/SPECIFICATION/WORK STATEMENT**

Work shall be accomplished in accordance with the Specification/Work Statement incorporated in Section J.

(END OF CLAUSE)

[END OF SECTION]



SECTION D – PACKAGING AND MARKING

**D.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
------------------	------	-------

None included by reference.

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

CLAUSE NUMBER	DATE	TITLE
------------------	------	-------

1852.211-70	SEP 2005	PACKAGING, HANDLING, AND TRANSPORTATION
-------------	----------	---

(END OF CLAUSE)

SECTION E – INSPECTION AND ACCEPTANCE

**E.1 CLAUSES INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE  
NUMBER    DATE    TITLE

52.246-3	MAY 2001	INSPECTION OF SUPPLIES-- COST-REIMBURSEMENT
52.246-5	APR 1984	INSPECTION OF SERVICES-- COST-REIMBURSEMENT
52.246-8	MAY 2001	INSPECTION OF RESEARCH AND DEVELOPMENT COST-REIMBURSEMENT

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

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 triplicate, an original and 2 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 AND PERFORMANCE

**F.1 CLAUSES INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE  
NUMBER DATE TITLE

52.242-15	AUG 1989	STOP-WORK ORDER (ALTERNATE I) (APR 1984)
52.247-34	NOV 1991	F.O.B. DESTINATION

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

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) PHASE-IN PERIOD  
The Phase-in Period of this contract shall be one month beginning on the effective date of contract.
- (b) BASE PERIOD  
The base period of performance shall be 23 months from end of Phase-in Period.
- (c) OPTION PERIOD 1  
If exercised, the period of performance of the first option of this contract shall be twelve months (12) from the end of the Base Period.
- (d) OPTION PERIOD 2  
If exercised, the period of performance of the second option of this contract shall be twelve months (12) from the end of Option Period1.
- (e) OPTION PERIOD 3  
If exercised, the period of performance of the third option of this contract shall be twelve months (12) from the end of Option Period 2.

(END OF CLAUSE)

**F.3 PLACE OF PERFORMANCE**

The services to be performed under this contact shall be performed at the following location(s): Moffett Field, CA and at such other locations as may be directed by the Contracting Officer.

(END OF CLAUSE)

**F.4 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  
Contract "TBD"  
Moffett Field, CA 94035-1000  
Attn: (Name of the Contracting Officer Technical Representative, Mail Stop TBD)

(c) All reports and documentation shall be mailed in accordance with Paragraph F.5, *Delivery of Reports*.

(END OF CLAUSE)

**F.5 DELIVERY OF REPORTS**

Unless otherwise specified, all reports shall be addressed to the recipients listed in Section J, Attachment J.1(a) 2, "Contract Data Requirements List." Reports specific to task orders will be specified in the individual task order.

(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**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
NONE BY REFERENCE		

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

CLAUSE NUMBER	DATE	TITLE
1852.227-86	DEC 1987	COMMERCIAL COMPUTER SOFTWARE – LICENSING
1852.242-71	DEC 1988	TRAVEL OUTSIDE OF THE UNITED STATES
1852.242-73	NOV 2004	NASA CONTRACTOR FINANCIAL MANAGEMENT REPORTING
1852.245-76	OCT 1988	LIST OF GOVERNMENT FURNISHED PROPERTY ( <i>1<sup>st</sup> sentence insert:</i> "See Section J.1(a) 3, "GOVERNMENT PROPERTY LIST"; <i>2<sup>nd</sup> sentence insert:</i> "AMES Research Center, or as defined in each task order.")

(END OF CLAUSE)

**G.2 RESERVED**

**G.3 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) (1) If the contractor is authorized to submit interim cost vouchers directly to the NASA paying office, the original voucher should be submitted to:

NSSC – FMD Accounts Payable  
Bldg. 1111, C. Road  
Stennis Space Center, MS 39529

(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:

[Insert the appropriate NASA or DCAA mailing office address for submission of cost vouchers]

(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, STAMPED "INFO COPY"

NASA Ames Research Center  
Contract Specialist M/S 241-1  
Moffett Field, CA 94035-1000

(ii) Copy 2 Auditor

Defense Contract Audit Agency  
(Address Completed at Time of Award)

(iii) Copy 3 Contractor

(iv) Copy 4 Contract administration office, "STAMPED "INFO COPY" 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:

NSSC – FMD Accounts Payable  
Bldg. 1111, C. Road  
Stennis Space Center, MS 39529

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

(a) 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

(b) 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. Inquires 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.5 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.6 CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED PROPERTY (DEVIATION) (NFS 1852.245-70) (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.7 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (DEVIATION) (NFS 1852.245-71) (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 (NPRs)

- NPR 4100.1, *NASA Materials Inventory Management Manual*
- NPR 4200.1, *NASA Equipment Management Procedural Requirements*
- 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 J.1(a)(3), Space Transportation Division Government Supplied Equipment List

(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:

ArcJet Complex, Hypervelocity Free-Flight Facility (HFFF), Electric Arc Shock Tube (EAST), and other Center facilities (such as laboratories and supercomputers as required for completion of task requirements).

(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.8. IDENTIFICATION AND MARKING OF GOVERNMENT EQUIPMENT (DEVIATION) (NFS 1852.245-74) (SEP 2007)**

(a) The Contractor shall identify all equipment to be delivered to the Government using NASA Technical Handbook (NASA-HDBK 6003, Application of Data Matrix Identification Symbols to Aerospace Parts Using Direct Part Marking Methods/Techniques, and NASA Standard (NASA-STD)

6002, Applying Data Matrix Identification Symbols on Aerospace Parts Handbook. This includes deliverable equipment listed in the schedule and other equipment when NASA directs physical transfer to NASA or a third party. The Contractor shall identify property in both machine and human readable form unless the use of a machine readable-only format is approved by the NASA Industrial Property Officer.

(b) Property shall be marked in a location that will be human readable, without disassembly or movement of the property, when the items are placed in service unless such placement would have a deleterious effect on safety or on the item's operation.

(c) Concurrent with equipment delivery or transfer, the Contractor shall provide the following data in an electronic spreadsheet format: -

- (1) Item Description.
- (2) Unique Identification Number (License Tag).
- (3) Unit Price.
- (4) An explanation of the data used to make the unique identification number.

(d) For items physically transferred under paragraph (a) the following additional data is required:

- (1) Date originally placed in service.
- (2) Item condition.
- (3) Date last serviced.

(e) The data required in paragraphs (c) and (d) shall be delivered to the NASA center receiving activity listed below:

Ames Research Center  
Central Shipping and Receiving  
M/S 255-3  
Moffett Field, CA 94035-1000

Mark for: TBD, COTR

(f) The contractor shall include the substance of this clause, including this paragraph (f), in all subcontracts that require delivery of equipment.

(END OF CLAUSE)

### **G.9 PROPERTY MANAGEMENT CHANGES (DEVIATION) (NFS 1852.245-75) (SEP 2007)**

(a) The Contractor shall submit any changes to standards and practices used for management and control of Government property under this contract to the assigned property administrator and Industrial Property Officer (IPO), prior to making the change whenever the change --

- (1) Employs a standard that allows increase in thresholds or changes the timing for reporting loss, damage, or destruction of property;
- (2) Alters physical inventory timing or procedures;
- (3) Alters recordkeeping practices;
- (4) Alters practices for recording the transport or delivery of Government property; or
- (5) Alters practices for disposition of Government property.

(b) The Contractor shall contact the IPO at:

NASA Ames Research Center  
Attn: Industrial Property Officer  
M/S 255-2  
Moffett Field, CA 94035-1000  
(650) 604-5681  
Evelyn.A.Warren@nasa.gov

(END OF CLAUSE)  
[END OF SECTION]

SECTION H – SPECIAL CONTRACT REQUIREMENTS

**H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
---------------	------	-------

None included by reference

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

CLAUSE NUMBER	DATE	TITLE
1852.208-81	NOV 2004	RESTRICTIONS ON PRINTING AND DUPLICATING
1852.223-70	APR 2002	SAFETY AND HEALTH
1852.223-75	FEB 2002	MAJOR BREACH OF SAFETY OR SECURITY
1852.225-70	FEB 2000	EXPORT LICENSES; insert "Ames Research Center" in paragraph (b)
1852.235-73	DEC 2006	FINAL SCIENTIFIC AND TECHNICAL REPORTS (ALT II) (DEC 2005)
1852.242-72	AUG 1992	OBSERVANCE OF LEGAL HOLIDAYS (ALTERNATE I) (SEP 1989) (ALTERNATE II) (OCT 2000)
1852.244-70	APR 1985	GEOGRAPHIC PARTICIPATION IN THE AEROSPACE PROGRAM

(END OF CLAUSE)

**H.2 ORGANIZATIONAL CONFLICTS OF INTEREST, AND LIMITATION OF 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 Space Technology Division has both NASA and non-NASA customers. Some of those customers include aerospace vehicle designers and manufacturers. Because contractors are involved in new technology development, testing, and fabrication, they are expected to have access to government sensitive and third party proprietary data. If the awardee or a subcontractor were an aerospace vehicle designer or manufacturer, other aerospace vehicle manufacturers might cease to use NASA-ARC expertise and facilities. This would negate the purpose of our laboratories and facilities as a national resource. However, because the Space Technology Division projects only involve Thermal Protection Materials and Thermal Protection Systems such as heat shields for atmospheric reentry, contractors developing non-related components for space vehicles should not be excluded.

Further, as part of supporting the Space Technology Division in the development of

technologies for use in the design and fabrication of prototype vehicles that travel at hypervelocities in the atmosphere of Earth and other bodies of the solar system and support nanotechnology, advanced materials, sensors and devices research, contractor may participate in requirements identification and specification, statement of work development, benchmarking, and other activities associated with Government procurement (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 developing requirements for future competitions also creates a potential conflict of interest. Access by the awardee to Government-sensitive or third party proprietary data creates a potential organizational 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, engage in the following activities:

(i) Design, development, or production of Thermal Protection Materials and Thermal Protection Systems such as heat shields for atmospheric reentry; 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 STRAD 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 STRAD 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; further, any unsolicited proposal submitted pursuant to this provision shall identify any relationship to work produced under this contract and any proposed use of such data.

(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 STRAD, 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 research programs in STRAD.

(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 Conflict of Interest Avoidance Plan is incorporated by reference into this contract (see Attachment J.1(a)(7)). This Plan addresses Organizational Conflicts of Interest at the contract level. Each individual task order will state if additional Organizational Conflict 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 (i) 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.

(END OF CLAUSE)

### **H.3 TASK ORDER 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) A request for a task plan from the Contractor to include the technical approach, period of performance, appropriate cost information, and any other information required to determine the reasonableness of the Contractor's proposal.

(c) Within 15 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 5 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.4 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.

*[List here the personnel and/or facilities considered essential, unless they are specified in the contract Schedule.]*

(END OF CLAUSE)

#### **H.5 ADDITIONAL REPORTS OF WORK – RESEARCH AND DEVELOPMENT (NFS 1852.235-74) (FEB 2003)**

In addition to the final report required under this contract, the Contractor shall submit the following report(s) to the Contracting Officer:

(a) Monthly progress reports. The Contractor shall submit separate monthly reports of all work accomplished during each month of contract performance. Reports shall be in narrative form, brief, and informal. They shall include a quantitative description of progress, an indication of any current problems that may impede performance, proposed corrective action, and a discussion of the work to be performed during the next monthly reporting period

(b) Quarterly progress reports. The Contractor shall submit separate quarterly reports of all work accomplished during each three-month period of contract performance. In addition to factual data, these reports should include a separate analysis section interpreting the results obtained, recommending further action, and relating occurrences to the ultimate objectives of the contract. Sufficient diagrams, sketches, curves, photographs, and drawings should be included to convey the intended meaning.

(c) Submission dates. Monthly and quarterly reports shall be submitted by the 15th day of the month following the month or quarter being reported. If the contract is awarded beyond the middle of a month, the first monthly report shall cover the period from award until the end of the following month. No monthly report need be submitted for the third month of contract effort for which a quarterly report is required. No quarterly report need be submitted for the final three months of contract effort since that period will be covered in the final report. The final report shall be submitted within 15 days after the completion of the effort under the contract.

(END OF CLAUSE)

#### **H.6 EMERGENCY PREPAREDNESS AND RESPONSE (ARC 52.223-90) (SEP 2007)**

(a) Contractors shall comply with Ames Procedural Requirements (APR) 1601.4, "Emergency Operations Plan."

(b) Contractors doing business with ARC are also employers in their own right and, as such, are responsible for protecting their employees, the environment, and property from the effects of hazardous events. Contractors shall develop and maintain appropriate emergency response and recovery plans, facility shutdown/startup plans, standard operations procedures, and checklists for emergency response to their facilities and operations. Contractors shall ensure training and certification of their employees as required to support their emergency response and recovery plan. Contractors shall participate in ARC drills and/or exercises to validate adequacy of emergency response and recovery plans and to ensure contractor employees are trained on how to respond. During a disaster/emergency, the contractor's Project Manager or other line supervisor shall be prepared to provide personnel accountability and facility status information to the designated NASA Facility Manager or Emergency Operations Center (EOC) Representative.

(c) Many contractor employees also serve as emergency response or mission essential resources with regards to performing certain emergency response and recovery functions associated with the overall NASA Ames Research Center and agency response. As such, their emergency response or mission essential 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 and recovering from emergencies and disasters.

(d) The contractor's obligation may include resolution of unusual or emergency situations, pursuant to FAR Part 18, "Emergency Acquisitions." The contractor may be required to assist NASA, within the general scope of work, but in currently unidentified ways, in preparation for, or in response to emergencies. Obligations under this requirement shall only arise under prescribed circumstances that enable NASA to utilize "Emergency Acquisition Flexibilities," as defined at FAR 18.001. If the emergency preparedness and response requirements result in changes to the contract, all contract adjustments will be processed in accordance with the changes clause.

(END OF CLAUSE)

#### **H.7 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.8 SUBCONTRACTING AND DATA RIGHTS (ARC 52.227-97) (OCT 2006) ALTERNATE I (OCT 2006)**

(a) It is strongly recommended that the Contractor flow down the data rights provisions of this contract to lower tier subcontractors 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.

(b) Pursuant to 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.

(c) 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)

**H.9 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.10 PATENT RIGHTS**

The RFP includes the Patent Rights-Retention by the Contractor Clause (FAR 52.227-11), as modified by 1852.227-11. It is anticipated that the Contractor may have Contractor background inventions that could be applied to Contract research and incorporated into deliverables under the Contract. The Government may need rights to use such Contractor background inventions in order to practice technologies produced under this Contract in other Government contracts. Thus, Contracting Officer permission is required before Contractor background inventions may be included in Contract deliverables. To the extent a contractor background invention has been Federally funded, the Government will receive its government-purpose license rights to practice the background invention. Where there is no Federal funding of the background invention, the Contractor will identify to the Contracting Officer the rights that it proposes to grant the Government to use such invention in other Government contracts. The Government shall receive a government-purpose license to practice any contractor background invention where such Contracting Officer permission is not obtained prior to incorporating its background inventions into Contractor work.

(END OF CLAUSE)

**H.11 PERFORMANCE ASSESSMENT**

a) As part of the Government's surveillance activities a periodic performance assessment will be conducted under this contract. This information will be provided to the contractor for corrective actions and performance improvement. In addition, 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 cost 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.12 INCORPORATION OF THE CONTRACTOR'S PROPOSAL**

The Contractor's Mission Suitability proposal number [TO BE PROPOSED BY THE OFFEROR], as amended by the final proposal revision entitled "Space Technology Research and Development (STRAD)" is hereby incorporated into this contract by reference.

(END OF CLAUSE)

## **H.13 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.14 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.15 SEVERANCE PAY (ARC 52.231-90) (JUN 2008)**

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 \_\_\_\_\_ 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)

[END OF SECTION]

## PART II - CONTRACT CLAUSES

## SECTION I – CONTRACT CLAUSES

**I.1 CLAUSES INCORPORATED BY REFERENCE. 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): Federal Acquisition Regulation (FAR) clauses:

<http://www.acqnet.gov/far/>  
 NASA FAR Supplement (NFS) clauses:  
<http://www.hq.nasa.gov/office/procurement/regs/nfstoc.htm>

(END OF CLAUSE)

**I.2 LISTING OF CLAUSES INCORPORATED BY REFERENCE**

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

The full text of the clause is available at the addresses contained in clause 52.252-2, Clauses Incorporated by Reference, of this contract.

(END OF CLAUSE)

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

CLAUSE NUMBER	DATE	TITLE
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 (insert in paragraph (b)(3): Poster: "IT'S YOUR TAX MONEY" may be obtained at <a href="http://oig.nasa.gov/hotline.html">http://oig.nasa.gov/hotline.html</a> )
52.204-7	APR 2008	CENTRAL CONTRACTOR REGISTRATION
52.209-6	SEP 2006	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.211-15	APR 2008	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
52.215-13	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
52.215-18	JUL 2005	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS
52.215-19	OCT 1997	NOTIFICATION OF OWNERSHIP CHANGES
52.216-7	DEC 2002	ALLOWABLE COST AND PAYMENT (INSERT “30 <sup>TH</sup> ” IN PARAGRAPH (a)(3))
52.216-18	OCT 1995	ORDERING (Insert “DATE OF CONTRACT AWARD” through “TWO YEARS FROM THE EFFECTIVE DATE OF THE CONTRACT” in paragraph (a))
52.216-19	OCT 1995	ORDER LIMITATIONS (Insert “\$1,000”, “\$45M”, “\$45M”, “30 DAYS”, and “5 DAYS” in paragraphs (a), (b)(1), (b)(2), (b)(3) and (d), respectively)
52.216-22	OCT 1995	INDEFINITE QUANTITY (Insert “1 YEAR FROM THE END DATE OF THE ORDERING PERIOD OF THE CONTRACT” in paragraph (d))
52.217-8	NOV 1999	OPTION TO EXTEND SERVICES
52.217-9	MAR 2000	OPTION TO EXTEND THE TERM OF THE CONTRACT (Insert “15 days” and “30 days” in paragraph (a). Insert “5 years” in paragraph (c))
52.219-6	JUNE 2003	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE
52.219-8	MAY 2004	UTILIZATION OF SMALL BUSINESS CONCERNS
52.219-14	DEC 1996	LIMITATIONS ON SUBCONTRACTING
52.219-28	JUN 2007	POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION
52.222-2	JUL 1990	PAYMENT FOR OVERTIME PREMIUMS (INSERT “\$ TBD” IN PARAGRAPH (a))
52.222-3	JUN 2003	CONVICT LABOR
52.222-21	FEB 1999	PROHIBITION OF SEGREGATED FACILITIES
52.222-26	MAR 2007	EQUAL OPPORTUNITY
52.222-35	SEP 2006	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE 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

52.222-50	AUG 2007	COMBATING TRAFFICKING IN PERSONS
52.223-3	JAN 1997	HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA ALTERNATE I (JUL 1995)
52.223-5	AUG 2003	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION
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	JUN 2008	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES
52.227-1	DEC 2007	AUTHORIZATION AND CONSENT – ALTERNATE 1 (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)
52.227-14	DEC 2007	RIGHTS IN DATA--GENERAL ALTERNATE II (DEC 2007) ALTERNATE III (DEC 2007) AS MODIFIED BY 1852.227-14 NASA FAR SUPPLEMENT
52.227-16	JUN 1987	ADDITIONAL DATA REQUIREMENTS
52.227-17	DEC 2007	SPECIAL WORKS (AS MODIFIED BY NFS 1852.227-17 SPECIAL WORKS)
52.228-7	MAR 1996	INSURANCE - LIABILITY TO THIRD PERSONS
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
52.232-34	MAY 1999	PAYMENT BY ELECTRONIC FUNDS TRANSFER – OTHER THAN CENTRAL CONTRACTOR REGISTRATION (Insert: "submission of completed ACH form with proposal" in paragraph (b)(1))
52.233-1	JUL 2002	DISPUTES - ALTERNATE I (DEC 1991)
52.233-3	AUG 1996	PROTEST AFTER AWARD - ALTERNATE I (JUN 1985)
52.233-4	OCT 2004	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM
52.237-1	APR 1984	SITE VISIT
52.237-3	JAN 1991	CONTINUITY OF SERVICES
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 - ALTERNATE II (APR 1984)
52.244-2	JUN 2007	SUBCONTRACTS (JUN 2007) - ALTERNATE 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
52.246-25	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 FORMS

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

CLAUSE NUMBER	DATE	TITLE
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
1852.223-74	MAR 1996	DRUG- AND ALCOHOL-FREE WORKFORCE
1852.228-75	OCT 1988	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

**I.3 PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (FAR 52.204-9) (SEP 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 graphically displays the following procedure for the issuance of a PIV credential.



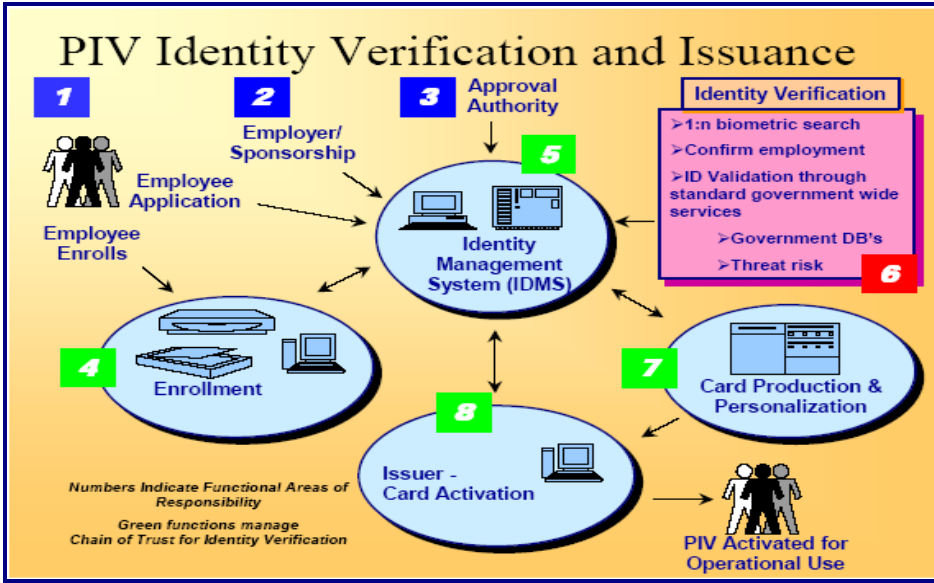


Figure A-1, FIPS 201, Appendix A

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 (NFNMS) 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 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.

---

<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

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.4 NOTIFICATION OF EMPLOYEE RIGHTS CONCERNING PAYMENT OF UNION DUES OR FEES. (FAR 52.222-39) (DEC 2004)**

(a) *Definition.* As used in this clause

"United States" means the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.

(b) Except as provided in paragraph (e) of this clause, during the term of this contract, the Contractor shall post a notice, in the form of a poster, informing employees of their rights concerning union membership and payment of union dues and fees, in conspicuous places in and about all its plants and offices, including all places where notices to employees are customarily posted. The notice shall include the following information (except that the information pertaining to National Labor Relations Board shall not be included in notices posted in the plants or offices of carriers subject to the Railway Labor Act, as amended (45 U.S.C. 151-188)).

**Notice to Employees**

Under Federal law, employees cannot be required to join a union or maintain membership in a union in order to retain their jobs. Under certain conditions, the law permits a union and an employer to enter into a union-security agreement requiring employees to pay uniform periodic dues and initiation fees. However, employees who are not union members can object to the use of their payments for

certain purposes and can only be required to pay their share of union costs relating to collective bargaining, contract administration, and grievance adjustment.

If you do not want to pay that portion of dues or fees used to support activities not related to collective bargaining, contract administration, or grievance adjustment, you are entitled to an appropriate reduction in your payment. If you believe that you have been required to pay dues or fees used in part to support activities not related to collective bargaining, contract administration, or grievance adjustment, you may be entitled to a refund and to an appropriate reduction in future payments.

For further information concerning your rights, you may wish to contact the National Labor Relations Board (NLRB) either at one of its Regional offices or at the following address or toll free number:

National Labor Relations Board  
 Division of Information  
 1099 14th Street, N.W.  
 Washington, DC 20570  
 1-866-667-6572  
 1-866-316-6572 (TTY)

To locate the nearest NLRB office, see NLRB's website at <http://www.nlr.gov>.

(c) The Contractor shall comply with all provisions of Executive Order 13201 of February 17, 2001, and related implementing regulations at 29 CFR Part 470, and orders of the Secretary of Labor.

(d) In the event that the Contractor does not comply with any of the requirements set forth in paragraphs (b), (c), or (g), the Secretary may direct that this contract be cancelled, terminated, or suspended in whole or in part, and declare the Contractor ineligible for further Government contracts in accordance with procedures at 29 CFR Part 470, Subpart B - Compliance Evaluations, Complaint Investigations and Enforcement Procedures. Such other sanctions or remedies may be imposed as are provided by 29 CFR Part 470, which implements Executive Order 13201, or as are otherwise provided by law.

(e) The requirement to post the employee notice in paragraph (b) does not apply to:

- (1) Contractors and subcontractors that employ fewer than 15 persons;
- (2) Contractor establishments or construction work sites where no union has been formally recognized by the Contractor or certified as the exclusive bargaining representative of the Contractor's employees;
- (3) Contractor establishments or construction work sites located in a jurisdiction named in the definition of the United States in which the law of that jurisdiction forbids enforcement of union-security agreements;
- (4) Contractor facilities where upon the written request of the Contractor, the Department of Labor Deputy Assistant Secretary for Labor-Management Programs has waived the posting requirements with respect to any of the Contractor's facilities if the Deputy Assistant Secretary finds that the Contractor has demonstrated that:

(i) The facility is in all respects separate and distinct from activities of the Contractor related to the performance of a contract; and

(ii) Such a waiver will not interfere with or impede the effectuation of the Executive order; or

(5) Work outside the United States that does not involve the recruitment or employment of workers within the United States.

(f) The Department of Labor publishes the official employee notice in two variations; one for contractors covered by the Railway Labor Act and a second for all other contractors. The Contractor shall:

- (1) Obtain the required employee notice poster from the Division of Interpretations and Standards, Office of Labor-Management Standards, U.S. Department of Labor, 200 Constitution

Avenue, NW, Room N-5605, Washington, DC 20210, or from any field office of the Department's Office of Labor-Management Standards or Office of Federal Contract Compliance Programs;

(2) Download a copy of the poster from the Office of Labor-Management Standards website at <http://www.olms.dol.gov>; or

(3) Reproduce and use exact duplicate copies of the Department of Labor's official poster.

(g) The Contractor shall include the substance of this clause in every subcontract or purchase order that exceeds the simplified acquisition threshold, entered into in connection with this contract, unless exempted by the Department of Labor Deputy Assistant Secretary for Labor-Management Programs on account of special circumstances in the national interest under authority of 29 CFR 470.3(c). For indefinite quantity subcontracts, the Contractor shall include the substance of this clause if the value of orders in any calendar year of the subcontract is expected to exceed the simplified acquisition threshold. Pursuant to 29 CFR Part 470, Subpart B - Compliance Evaluations, Complaint Investigations and Enforcement Procedures, the Secretary of Labor may direct the Contractor to take such action in the enforcement of these regulations, including the imposition of sanctions for noncompliance with respect to any such subcontract or purchase order. If the Contractor becomes involved in litigation with a subcontractor or vendor, or is threatened with such involvement, as a result of such direction, the Contractor may request the United States, through the Secretary of Labor, to enter into such litigation to protect the interests of the United States.

(END OF CLAUSE)

#### **I.5 RIGHTS TO PROPOSAL DATA (TECHNICAL). (FAR 52.227-23) (JUNE 1987)**

Except for data contained on pages \_\_\_\_\_, it is agreed that as a condition of award of this contract, and notwithstanding the conditions of any notice appearing thereon, the Government shall have unlimited rights (as defined in the "Rights in Data—General" clause contained in this contract) in and to the technical data contained in the proposal dated \_\_\_\_\_, upon which this contract is based.

(END OF CLAUSE)

#### **I.6 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 Committee (SEC), 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,

Lewis S. Braxton, III  
 NASA Ames Research Center  
 M/S 200-9  
 Moffett Field, CA 94035-1000  
 Telephone: (650) 604-5068  
 Facsimile: (650) 604-0031 or (650) 604-1668  
 Email: [Lewis.S.Braxton@nasa.gov](mailto: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.7 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.8. 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]



PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J – LIST OF ATTACHMENTS

**J.1 LIST OF DOCUMENTS, EXHIBITS, AND 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.

<u>Attachment No./Title</u>	<u>Date</u>	<u># Pages</u>
1. Statement of Work	8/20/08	8
2. Contract Data Requirements List	8/20/08	7
3. Space Technology Division Government Supplied Equipment List	9/26/08	3
4. Contractor’s Health and Safety Plan	*	*
5. Direct Labor Rates, Fringe Rates, Indirect Rates, Fixed Fee, and Ceiling Rate Matrices	*	*
6. Contractor’s IT Security Plan	*	*
7. Organizational Conflicts of Interest Avoidance Plan	*	*

\* Date to be completed at time of award or by subsequent modification.

(b) The following documents, exhibits, and attachments are included only in the solicitation.

<u>Attachment No.</u>	<u>Title</u>
1.	Government Labor Estimate (Including Pricing Model Staffing Plan, and Skill Level Definitions)
2.	Exhibit 1, Proposal Cover Sheet, JA 038
3.	Pricing Exhibits
4. - 12.	RESERVED
13.	Facility Capital Cost of Money Factors Computation (Form CASB-CMF)
14.	Contract Facilities Capital Cost of Money (DD Form 1861)
15. - 22.	RESERVED
23.	Past Performance Questionnaire
24.	Sample Tasks
25.	Standard Form 3881, ACH Vendor Payment Form

(END OF CLAUSE)

[END OF SECTION]

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION K - REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS

**K.1 ANNUAL REPRESENTATIONS AND CERTIFICATIONS. (FAR 52.204-8) (JAN 2006)**

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541712.

(2) The small business size standard is 1,000 employees.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (c) applies.

(ii) Paragraph (c) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause	Title	Date	Change
------------	-------	------	--------

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

(END OF PROVISION)

**K.2 REPRESENTATION OF LIMITED RIGHTS DATA AND RESTRICTED COMPUTER SOFTWARE. (FAR 52.227-15) (DEC 2007).**

(a) This solicitation sets forth the Government's known delivery requirements for data (as defined in the clause at 52.227-14, Rights in Data-General). Any resulting contract may also provide the Government the option to order additional data under the Additional Data Requirements clause at 52.227-16, if included in the contract. Any data delivered under the resulting contract will be subject to the Rights in Data-General clause at 52.227-14 included in this contract. Under the latter clause, a Contractor may withhold from delivery data that qualify as limited rights data or restricted computer software, and deliver form, fit, and function data instead. The latter clause also may be used with its Alternates II and/or III to obtain delivery of limited rights data or restricted computer software, marked with limited rights or restricted rights notices, as appropriate. In addition, use of Alternate V with this latter clause provides the Government the right to inspect such data at the Contractor's facility.

(b) By completing the remainder of this paragraph, the offeror represents that it has reviewed the requirements for the delivery of technical data or computer software and states [*offeror check appropriate block*]

(1) None of the data proposed for fulfilling the data delivery requirements qualifies as limited rights data or restricted computer software; or

(2) Data proposed for fulfilling the data delivery requirements qualify as limited rights data or restricted computer software and are identified as follows:

---

(c) Any identification of limited rights data or restricted computer software in the offeror's response is not determinative of the status of the data should a contract be awarded to the offeror.

(END OF PROVISION)

**K.3. USE OF GOVERNMENT-OWNED PROPERTY. (NFS 1852.245-79) (DEVIATION) (SEP 2007)**

(a) Items of Government property flown in space or used to support other pioneering NASA programs have increased probability of historic significance and an intrinsic value that is likely to exceed their unused material or physical value. Descriptions of physical characteristics alone are often insufficient to determine an item's historic significance or real value. In addition to the property record data required by the clause at FAR 52.245-1, Government Property in this contract, Contractor records of all Government property under this contract shall -

(1) Identify the projects or missions that used the items;

(2) Specifically identify items of flown property;

(3) When known, associate individual items of property used in space flight operations with the using astronaut(s); and

(4) Identify property used in test activity and, when known, the individuals who conducted the test.

(b) The Contractor shall include this information within item descriptions -

(1) On any Standard Form 1428, Inventory Schedule;

(2) In automated disposition systems;

(3) In any other disposition related reports; and

(4) In other requests for disposition instructions.

(c) The Contractor shall not remove NASA identification or markings from Government-furnished property prior to disposition without the advanced written approval of the NASA Industrial Property Officer.

(END OF PROVISION)

[END OF SECTION]

## SECTION L – INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

**L.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE**

This solicitation incorporates one or more solicitation provisions 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. The Offeror is cautioned that the listed provisions may include blocks that must be completed by the Offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the Offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision 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:

The full text of the clause is available at the addresses contained in clause 52.252-2, Clauses Incorporated by Reference, of this contract.

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

CLAUSE NUMBER	DATE	TITLE
52.204-6	APR 2008	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER
52.211-14	APR 2008	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (INSERT "C-9 RATED ORDER" IN BLANK)
52.214-34	APR 1991	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE
52.214-35	APR 1991	SUBMISSION OF OFFERS IN U.S. CURRENCY
52.215-1	JAN 2004	INSTRUCTIONS TO OFFERORS - COMPETITIVE ACQUISITION
52.215-2	JUN 1999	AUDIT AND RECORDS—NEGOTIATION
52.215-16	JUN 2003	FACILITIES CAPITAL COST OF MONEY
52.215-18	JUL 2005	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS
52.215-20	OCT 1997	REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA
52.222-24	FEB 1999	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION
52.222-46	FEB 1993	EVALUATION OF COMPENSATION FOR PROFESSIONAL EMPLOYEES
52.232-38	MAY 1999	SUBMISSION OF ELECTRONIC FUNDS TRANSFER INFORMATION WITH OFFER
52.237-1	APR 1984	SITE VISIT
52.237-10	OCT 1997	IDENTIFICATION OF UNCOMPENSATED OVERTIME

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

CLAUSE NUMBER	DATE	TITLE
1852.219-77	MAY 1999	NASA MENTOR-PROTÉGÉ PROGRAM
1852.231-71	MAR 1994	DETERMINATION OF COMPENSATION REASONABLENESS
1852.233-70	OCT 2002	PROTESTS TO NASA

(END OF CLAUSE)

**L.2 TYPE OF CONTRACT. (FAR 52.216-1) (APR 1984)**

The Government contemplates award of a Single Award, Indefinite Delivery Indefinite Quantity (IDIQ), Cost Plus Fixed Fee (CPFF) contract resulting from this solicitation.

(END OF PROVISION)

**L.3 SERVICE OF PROTEST. (FAR52.233-2) (SEP 2006)**

- (a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

Ronnee R. González  
 NASA Ames Research Center  
 Mail Stop 227-4  
 Moffett Field, CA 94035-1000

- (b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(END OF PROVISION)

**L.4 PREPROPOSAL/PRE-BID CONFERENCE. (NFS 1852.215-77) (DEC1988)**

- (a) A pre-proposal/pre-bid conference with tour was held on April 1, 2008.

- (b) The Government has responded to questions regarding this procurement. All questions, together with the Government's response, have been posted at the URL below. Presentations, a List of Attendees, and information on the Arc Jet Complex are also included at this URL.

**INFORMATION FROM THIS CONFERENCE IS AVAILABLE AT: <http://prod.nais.nasa.gov/cgi-bin/eps/sol.cgi?acqid=129112#Other%2003>**

- (c) Attendance at the pre-proposal/pre-bid conference was recommended; however, attendance was neither required nor a prerequisite for proposal/bid submission and will not be considered in the evaluation.

(END OF PROVISION)

**L.5 PROPOSAL PAGE LIMITATIONS**

(a) The following page limitations are established for each portion of the proposal submitted in response to this solicitation.

<b>Proposal Component</b>	<b>Page Limit<sup>1</sup></b>
<b>Cover Letter</b>	No limit
<b>Volume I — Mission Suitability Proposal</b>	See below
1. Technical Understanding	130 pages
2. Management Approach (including Phase-In Plan and sample tasks)	
Key Personnel	No limit <sup>2</sup>
Total Compensation Plan	No limit
Organizational Conflict of Interest Avoidance Plan	No limit
3. Safety and Health Plan	No limit
<b>Volume II — Past Performance Proposal</b>	25 <sup>3</sup>
<b>Volume III — Cost/Price Proposal</b>	No limit

<sup>1</sup> These limits apply only to content pages. Paragraph L.5(c) lists page types which are not affected by this limit.

<sup>2</sup> In the Key Personnel written response, commitment letters are limited to one page per individual; resumes are limited to 3 pages total per individual.

<sup>3</sup> No limit to length of past performance questionnaire responses.

(b) A page is defined as one side of a sheet, 8 ½” x 11”, with at least one inch margins on all sides, using not smaller than Arial 12 point type. Foldouts count as an equivalent number of 8 ½” x 11” pages. The metric standard format closely approximating the described standard 8 ½” x 11” size may also be used. Diagrams, charts, and photographs may be reduced and, if necessary, run landscape or folded to eliminate oversize pages. Text in diagrams, charts, and photographs shall be no smaller than Arial 8. Diagrams, tables, charts, and photographs shall not be used to circumvent the text size limitations of the proposal. The Government will not evaluate diagrams, tables, charts, and photographs smaller than Arial 8, but will return the pages to the offeror using the methodology stated within this provision

(c) Title pages, tables of contents, blank dividers/tabs, index pages, cover letters, list of figures and tables, glossaries, commitment documents and resumes for key personnel, and Past Performance Questionnaires are excluded from the page counts specified in paragraph (a) of this provision. In addition, the Cost section of your proposal is not page limited. However, this section is to be strictly limited to cost and price information. Information that can be construed as belonging in one of the other sections of the proposal will be so construed and will not be evaluated.

(d) If final revisions are requested, separate page limitations will be specified in the Government’s request for that submission.

(e) The first countable 130 pages of Volume I and the first 25 pages of Volume II will be evaluated. Additional pages will not be evaluated and will be returned to the offeror.

(END OF PROVISION)

**L.6 SAFETY AND HEALTH PLAN. (NFS 1852.223-73) (NOV 2004)**

(a) The offeror shall submit a detailed safety and occupational health plan as part of its proposal (see NPR 8715.3, NASA Safety Manual, Appendices). The plan shall include a detailed discussion of the policies, procedures, and techniques that will be used to ensure the safety and occupational health of Contractor employees and to ensure the safety of all working conditions throughout the performance of the contract. The contractor requirements for safety plans for Ames Research Center support contracts are found at:

<http://server-mpo.arc.nasa.gov/Services/Proc/ProcDocs/APG1700.1-R/Chap%2002.pdf>

(b) When applicable, the plan shall address the policies, procedures, and techniques that will be used to ensure the safety and occupational health of the public, astronauts and pilots, the NASA workforce (including Contractor employees working on NASA contracts), and high-value equipment and property.

(c) The plan shall similarly address subcontractor employee safety and occupational health for those proposed subcontracts that contain one or more of the following conditions:

(1) The work will be conducted completely or partly on premises owned or controlled by the government.

(2) The work includes construction, alteration, or repair of facilities in excess of the simplified acquisition threshold.

(3) The work, regardless of place of performance, involves hazards that could endanger the public, astronauts and pilots, the NASA workforce (including Contractor employees working on NASA contracts), or high value equipment or property, and the hazards are not adequately addressed by Occupational Safety and Health Administration (OSHA) or Department of Transportation (DOT) regulations (if applicable).

(4) When the assessed risk and consequences of a failure to properly manage and control the hazards warrants use of the clause.

(d) This plan, as approved by the Contracting Officer, will be included in any resulting contract.

(END OF PROVISION)

**L.7 PROPOSAL PREPARATION--GENERAL INSTRUCTIONS**

(a) **Proposing Entity.** Offerors proposing as a team, or other such business arrangement, shall fully describe this team or arrangement by outlining the relationship, commitment, and responsibilities of the parties. This documentation shall be provided, as appropriate, in the proposal and as requested in paragraph (b)(2) below.

(b) **Format.**

(1) Offerors shall submit proposals in three volumes as specified below. Each part of the proposal should be complete, and prepared in accordance with solicitation instructions to enable concurrent and separate evaluation of each part.

Proposal Component	Location in RFP	Required Copies to NASA-ARC Addressed per SF 33, Block 9		
		Original	Additional	Electronic <sup>1</sup>
<b>Cover Letter</b> Contact Information Teaming Arrangements Standard Form (SF) 33 Section B Section H Section I Standard Form (SF) 3881 Section K	L.7(b)(2)	1	2	1 (may be included with Volume 1)

<b>Vol. I, Mission Suitability Proposal</b>	L.7(c), L.9(a)	see below	see below	see below
Written Subfactors (format)	L.5	1	6	1
1. Technical Understanding	L.9(a)(1)			
2. Management Approach	L.9(a)(2)			
3. Safety & Health Plan	L.9(a)(3)			
<b>Vol. II, Past Performance Proposal</b>	L.7(d), L.9(b)	1	6 <sup>2</sup>	1
<b>Vol. III, Cost/Price Proposal</b>	L.7(e), L.9(c)	1	6	1

<sup>1</sup> The electronic copies of the Cost Proposal Exhibits and Schedules in Section J.1(b) 3 are required to be saved and submitted in their Excel (.xls) format, not as a PDF.

<sup>2</sup>The completed first page for each Past Performance Questionnaire is due from the offeror at least 10 days prior to the due date of the RFP. The entire completed Past Performance Questionnaire, for each of the identified contracts, must be returned by the customers at least 10 days prior to the due date of the RFP.

(2) Include a cover letter in Volume I of the proposal. The cover letter must be signed by an official authorized to contractually bind your company. As part of that letter, please provide the following information and/or attachments:

- The names, address(es), telephone numbers, facsimile numbers, and email addresses of persons to be contacted for clarification of questions.
- A complete description of any proposed teaming arrangements.
- A Standard Form 33 with Blocks 12-18 completed and signed by an official authorized to contractually bind the offeror. Include written acknowledgement of any solicitation amendments.
- A completed response to Section B, "Supplies/Services to be Provided for Phase-In".
- A completed response to Section H, "Special Contract Requirements," NFS clause 1852.235-71, "Key Personnel and Facilities."
- Proposal number to complete Section H clause, "Incorporation of the Contractor's Proposal"
- A completed response to Section I, "Contract Clauses," FAR clause 52.227-23, "Rights to Proposal Data (Technical)."
- A completed Standard Form 3881, ACH Vendor/Miscellaneous Payment Enrollment Form (see attachment in Section J.
- A completed response to Section K, "Representations, Certifications and Other Statements of Offerors".

**Also include:**

- A statement that the proposal is firm for a period of not fewer than 180 days.
- A statement of acceptance of the anticipated contract provisions and proposed schedule, or specific exceptions taken to any of the terms and conditions.

(3) Address and forward the proposal package in accordance with the instructions specified on SF 33 Block 9. All proposal volumes shall be submitted to the address specified NO LATER THAN the date and time in Block 9 of the SF33.

(4) The pages of each proposal volume shall be numbered and identified with the offeror's name, RFP number, and date. Subsequent revisions shall be similarly identified to show revision number and date. The table of contents must list figures and tables separately. Where necessary, a cross-reference sheet to other volumes shall be included. Each volume shall contain a more detailed table of contents to delineate all titled subparagraphs within that volume. Tab indexing



shall be used to identify sections. Each volume shall contain a glossary of all abbreviations and acronyms used, with an explanation for each. Page limitations are set forth in this Section L at "Proposal Page Limitations."

(5) One electronic copy of each volume shall be submitted (in addition to the hard copies specified in (b)(1) above) in Apple Macintosh or IBM-PC compatible format, compatible with Microsoft Office 2003 software (Word, Excel and/or PowerPoint) or, Volumes I and II may be submitted in Adobe Acrobat Portable Document Format (pdf) with financial data submitted in a format compatible with Microsoft Office 2003 (e.g., Excel). The electronic format data shall be provided on quality, virus-scanned, virus-free CD-R/CD-RW (compatible with both Apple and PC), with an external label indicating: (1) the name of the offeror, (2) the RFP number, (3) the format and software versions used, and (4) a list of the files contained on the disk. In the event of any inconsistency between data provided on electronic media and proposal hard copies, the original hard copy data will be considered to be the intended data.

(6) Proposals shall be submitted in a format that addresses all the evaluation factors. Information pertinent to the factors shall be included in their proposal volumes. The proposal content must provide a basis for evaluation against the requirements of the solicitation. Offerors must identify and discuss risk factors and issues throughout the proposal where they are relevant, and describe their approach to managing these risks, pursuant to NFS 1815.203-72, "Risk management."

(7) **BINDING AND LABELING:** Each volume of the proposal should be separately bound in a three-ring loose-leaf binder that shall permit the volume to lie flat when open. Staples shall not be used. A cover sheet should be bound in each book, clearly marked as to volume number, title, copy number, solicitation identification and the offeror's name. The same identifying data should be placed on the spine of each binder. Be sure to apply all appropriate markings including those prescribed in accordance with FAR 52.215-1(e), "Restriction on Disclosure and Use of Data," and 3.104-5, "Disclosure, Protection, and Marking of Contractor Bid or Proposal Information and Source Selection Information."

(8) **LATE SUBMISSION:** Any volume submitted after the specified time will cause the entire proposal to be considered late in accordance with provision FAR 52.215-1, "Instructions to Offerors—Competitive."

**(c) Mission Suitability Proposal (Volume I)**

- (1) Both technical and management information should be included in the Mission Suitability proposal. Do not include cost/price data, except for a schedule of wages, salaries, and benefits. Offerors shall not assume that the Source Evaluation Committee is aware of company abilities, capabilities, plans, facilities, organization or any other pertinent fact that is important to the accomplishment of the work. The evaluation will be based on the information presented in the proposal. The proposal must specifically address each listed evaluation subfactor.
- (2) The Mission Suitability proposal shall contain a risk analysis that identifies risk areas as well as the offeror's recommended approaches to minimize the impact of those risks on the overall success of the requirements.

**(d) Past Performance Proposal (Volume II)**

The Past Performance factor indicates the relevant quantitative and qualitative aspects of each offeror's record of performing services, or delivering products, similar in size, content, and complexity of the requirements of this solicitation.

**(e) Cost/Price Proposal (Volume III)**

Cost/price proposals must contain sufficient pricing information to support negotiation of the contract type noted in this Section L under provision 52.216-1, "Type of Contract."

(END OF PROVISION)

**L.8 RESERVED**

**L.9 PROPOSAL PREPARATION--SPECIFIC INSTRUCTIONS**

The contract award will be based on evaluation of the following factors:

- Mission Suitability
- Past Performance
- Cost/Price

Proposals shall be submitted in a format that follows the format of the factors and their subfactors. Only information pertinent to the factors and subfactors shall be submitted in the Offeror's proposal volumes. (See the weighting for the factors and subfactors in Section M.3)

**(a) Mission Suitability Proposal (Volume I).**

The Mission Suitability factor indicates, for each offeror, the merit or excellence of the work to be performed or product to be delivered. Information must be precise, factual, detailed, and complete. Offerors must not assume that the evaluation team is aware of their company abilities, capabilities, plans, facilities, organization, or any other pertinent fact that is important to accomplishment of work. The evaluation will be based on the information presented (or referenced) in the written proposal. The proposal must specifically address each listed evaluation subfactor and/or element.

- (1) The evaluation will be based on the information presented in the written proposal. The proposal must specifically address each listed evaluation subfactor. Offerors may recommend changes to the Statement of Work in instances where such changes would improve performance, provided they are specifically identified together with the wording and a justification for the change.
- (2) The content of the Offeror's Mission Suitability Proposal shall provide the basis for evaluation of the Offeror's response to the technical requirements of the RFP. Offerors shall identify and discuss risk factors and issues throughout the proposal where they are relevant, and describe their approach to managing these risks.
- (3) If the SEC determines that a proposal does not adequately demonstrate the offeror will be able to perform the work with the resources proposed, the SEC may determine this to be a mission suitability weakness as well as require an adjustment for probable cost. This integration between mission suitability findings and probable cost adjustments is critical to accomplishing cost realism.

The Mission Suitability Proposal shall address the following subfactors:

**INDEX OF MISSION SUITABILITY SUBFACTORS AND ELEMENTS**

SUBFACTOR	ELEMENT
<b>(1) Technical Understanding</b>	
	a. Technical Plan
<b>(2) Management Approach</b>	
	a. Management and Business Approach
	b. Staffing, Recruitment, Retention and Training
	c. Key Positions and Key Personnel

	d. Total Compensation Plan
	e. Phase-In Plan
	f. Sample Tasks
	g. Organizational Conflict of Interest Avoidance Plan
<b>(3) Safety and Health</b>	

Note: The following outline is not to be construed as an indication of the order of importance or relative weighting within individual elements of Mission Suitability subfactors as there are no discrete point values to any of the elements.

The description of the proposed approach must be relevant to the mission of the contract; be complete, accurate, detailed, and include supporting reasoning or justification; and describe how proposed management practices will enable the proposed approach.

The following information is provided to indicate the minimum content to be included in the proposal.

**(1) Subfactor 1: Technical Understanding:**

Stating that the Offeror understands and will comply with the requirements described in the SOW is considered an inadequate response, as is paraphrasing. Statements such as “standard procedures will be employed” or “well known techniques will be used” do not indicate a sufficient level of awareness and understanding of the SOW, and will not be considered as an effective response to the solicitation.

a. Technical Plan

The Offeror’s proposal shall demonstrate its understanding of the requirements of the SOW and specifically address how the work would be accomplished as follows:

- The Offeror shall address how the broad spectrum of technical areas of the SOW will be performed in a coherent, integrated manner that will meet each of the requirements defined in the Statement of Work, specifically addressing the requirements of the Space Technology Division in the following technical areas:
  - chemistry and physics of hypersonic, chemically reacting and radiating flows
  - aerothermodynamic analysis of entry systems
  - development, modification, and application of computational fluid dynamics tools
  - aeronautics and space vehicle trajectory analysis
  - materials science and engineering of ablative, reusable, and multi-functional thermal protection materials
  - experiment planning, execution, and analysis for high-enthalpy testing of materials and real-gas phenomena
  - quantum computing and pre-biotic geochemistry mechanisms
  - educational outreach
  - internship employment opportunities to support STRAD requirements for NASA programs and to provide students with exposure to public service, enhancement of their educational experience, and financial support to encourage their educational goals
- The Offeror’s submission shall be complete, balanced, and consistent, and shall clearly demonstrate an understanding of all the technical areas of the Statement of Work (SOW) and their interrelationships.
- The Offeror shall describe its approach to ensuring technical quality and to staying abreast of current research and innovative technologies.
- The Offeror shall identify potential risks to the successful fulfillment of the requirements

and recommend approaches to minimize the probability and impact of those risks.

- The Offeror shall include an understanding of the critical issues involved in all aspects of project performance including management, systems engineering, research and analysis, design and development, fabrication support, testing, computer modeling, technical writing, laboratory/facility management and operation, software maintenance and support, and computer systems administration and other functions necessary to complete projects.
- The Offeror shall address the proposed approach to improve workflow, increase productivity, enhance communications, improve quality, and reduce costs, including through the exploitation of IT resources. Include any innovative approaches, and expected advantage to the Government.
- The Offeror shall describe the approach for responding to task requests, planning work, staffing tasks, and accomplishing task requirements and include the approach for identifying, reporting and resolving typical problems that may be encountered in satisfying the requirements of the SOW.
- The Offeror shall describe the approach for responding to changing skill set requirements.

**(b) Subfactor 2. Management Approach**

a. Management and Business Approach

The Offeror shall describe its management and business approaches to coordinate, perform, integrate, control, and accomplish the requirements of the SOW from phase-in through the life of the contract. The offeror's proposal shall contain the information in the elements listed below and be organized in a similar outline:

(i) Management

The Offeror shall describe its specific management approach for this effort including the following:

- Proposed management structure, functions, authority, and reporting system for the work to be performed under the SOW. Describe the structural connections or associations of the entities responsible for this work with any corporate or division organizations and any subcontractors. Describe the applicability of the above to the anticipated type of work described in the SOW and on innovativeness in terms of efficiency and effectiveness.
- Description of and rationale for the authority and responsibility vested in its site manager and technical-task managers and their access to corporate or company resources to support the contract through all phases.
- Process(es) for managing the contract including contract modifications, task modifications, handling changing environments, and problem resolution techniques.
- Approach to planning and managing the execution of multiple task orders, changing tasks, task priorities, resources, and schedules in a timely, efficient and cost effective manner.
- Management responsibilities for the recruitment, hiring, and retention of highly motivated employees producing high quality work.
- Proposed employee performance standards, methods for maintaining performance at those standards and proposed employee performance incentives.

- Processes for planning, tracking and controlling all work and for supervising and monitoring performance to maintain and enhance the quality of services provided.
- Approach to ensure appropriate processes for the tasking of contractor employees. Include any approaches to training employees regarding assignment of work, and/or how to handle workplace issues including improper tasking of contractor employees outside of the approved task order process, and avoidance of potential hostile workplace environments.
- Issues with and approach to managing a fluctuating workload.
- Approaches to support the division's educational outreach and internship employment opportunities as described in the SOW.
- Describe what your company does to promote safety in the workplace.
- Describe proposed sub-contracting and cooperative business arrangements, if any, their operational and technical benefits to NASA, and your proposed approach for managing these arrangements to assure that the Government receives a quality product or service.

(ii) Technical and Business Management of Contract Task Orders (CTO)

The offeror shall describe its process for responding to and managing task order requests including the following:

- Approach to the management and planning process, analysis and risk assessment techniques, and system for development of cost and schedule estimates.
- Technical and business management procedures to be used to staff, direct, control, track and report on CTOs.
- Proposed approach to staffing multiple task requests competing for limited common workforce and skill sets.
- Discussion of issues that may arise during task planning and performance, the proposed process for informing the NASA task requestor, and proposed approaches to resolution of those issues.
- Proposed process for reporting technical and cost status and issues to the NASA task requestor.
- Proposed approach to implement changes due to changing requirements, including increases or decreases in workload and/or changes in required skill sets.
- Proposed approaches to identifying task performance problems and implementing corrective actions based upon task performance.
- Identify potential cost and schedule risks and describe the proposed plan to manage and report on costs and schedule, and to prevent cost over-runs and schedule slips.

(iii) Corporate and Management Core Values

The offeror shall describe the core values of the company including demonstrating how those values are implemented and how they impact employee morale and passion for excellence, and employees' commitment to delivering high quality technical products and services.

(iv) Access to Corporate Resources

- The Offeror shall describe services, facilities, equipment, and staff assistance, both within and external to the company, that may be required to augment on-site staffing resources, that can be accessed for this contract, how these resources can

be obtained and the corporate commitment and flexibility to provide these resources.

- The Offeror shall describe circumstances that may require these resources, to include providing technical consulting, human resources, procurement, legal, and foreign national processing support.
- The Offeror shall describe the procedures through which the on-site management will access the corporate resources.
- Benefits to the Government of the above identified resources (in terms of mission impact, cost savings, technical resources, efficiency improvements, etc.) where appropriate.

b. Staffing, Recruitment, Retention and Training

The Offeror shall describe its approach to and rationale for staffing and recruitment and efficient use of the workforce in accordance with the skill categories listed in Attachment J.1(b)1 "Government Labor Estimate" including the following:

- Proposed plan that demonstrates completeness with respect to the skill categories listed in Attachment J.1 (b) 1 "Government Labor Estimate", including risks and assumptions, and the offeror's understanding of the skill categories and the local job market.
- Proposed staffing plan including assignments, distribution, and skills required for other-than-Key Personnel.
- Provide recruitment plans and methods, and employee retention plans.
- Proposed plans for internal training, mentoring, and career development.
- A discussion of potential staffing issues, mitigation approaches and plans to minimize staffing difficulties and turnover issues.
- Describe processes for dealing with underperforming employees.
- Submit information concerning other policies and incentives aimed at contributing to employee retention, morale, productivity, growth and development.
- Plans to address short notice, rapid (within 30 calendar days) recruiting of experienced and qualified personnel (other than Key Personnel), including subcontracting arrangements, and other cross-utilization of personnel to meet changing requirements of the contract.
- Proposed methods and procedures for performing specific projects that may have a defined period of performance of less than one year.
- Describe processes for, assumptions, and issues anticipated with the hiring of foreign nationals of varying immigration status (H1, J1, green card, etc.).
- Describe recruiting methods and sources of personnel anticipated to provide highly qualified employees for this effort.
- Describe approach to and processes for recruiting, hiring, training and retaining a highly qualified, diverse workforce.

c. Key Positions and Key Personnel

The Offeror shall describe its approach and rationale for key positions and key personnel and address the following:

- Identify Key Positions, including authorities, responsibilities, and assignments of the position, and provide the rationale for designating them as Key.
- Describe the allocation of Key Positions between the prime and any proposed subcontractors.
- Describe the experience and skills required to fill each Key Position.

- Identify individuals proposed for these Key Positions, and percentage of their time allocated to Key Position duties on this contract.
- Resumes for Key Personnel including education, summary of total experience, summary of experience in similar work (including similar types of government contracts), other applicable experience, and two (2) professional references for each key person (see L.5(a) for page limitations).
- Describe the on-site manager's post-award authority level.
- Approach to providing backup for Key Personnel during absences due to vacation, illness, etc.
- Clearly state the degree of commitment of individuals proposed as Key Personnel as well as the Offeror's commitment to employ or promote the person (e.g., letters of intent, etc.). This statement of intent shall include the salary to be accepted if the individual is employed under this contract.
- Description of the process for replacement and/or addition of Key Personnel when necessary.

d. Total Compensation Plan

The Offeror shall provide a Total Compensation Plan (TCP) for all personnel proposed, in accordance with NFS provision 1852.231-71, "Determination of Compensation Reasonableness," and FAR provision 52.222-46, "Evaluation of Compensation for Professional Employees." Note, the Offeror shall require all service subcontractors (1) with proposed cost reimbursement or non-competitive fixed-price type subcontracts having a total potential value in excess of \$500,000 and (2) the cumulative value of all their service subcontracts under the proposed prime contract in excess of 10 percent of the prime contract's total potential value, provide as part of their proposals the information identified in (a) through (c) of NFS provision 1852.231-71. The required professional compensation plan must:

- Identify salary ranges and fringe benefits proposed for employees and how they relate to the local employment market.
- Describe the impact that the proposed compensation will have on recruiting and retaining professional employees (as defined in 29 CFR 541).
- Identify benefits that require employee contributions and the amount of that contribution as a percentage of the total cost of each benefit.
- Discuss employee compensation regarding: vacations, severance pay, holidays, overtime and shift differentials, sick leave, California Family Leave Act, bonus plans, life insurance, medical/dental/vision insurance, uncompensated overtime, pension contributions, employee incentives, training, career development, moving expenses, and compensatory time.
- If uncompensated overtime is proposed, give rationale and identify hours of uncompensated overtime proposed by labor category.
- Each benefit proposed which would reasonably incur cost shall be identified and costed in volume III. Identify the cost element in which the benefit will be charged (e.g., direct labor cost, G&A, Overhead, or Fee).

e. Phase-In Plan

The Offeror shall describe its phase-in plan for the following:

- Identification of risks and proposed mitigation approaches.
- Approaches for ensuring efficient continuation of operations of current projects during contract transition, addressing issues typically encountered during the initial and ongoing transition of personnel.

- Describe general rationale and approaches for hiring and/or replacing incumbent personnel.
- Proposal of, and rationale for, Key or other personnel (by title and function), and their availability, who will participate during the phase-in.
- Estimate of, and supporting rationale for, the number of incumbent contractor employees expected to be hired.
- The impact of the Offeror's policy for continuing and/or replacing the benefits of the incumbent contractor's employees expected to be hired (e.g., seniority, accrued sick and annual leave, compensatory time, health plans, 401k plans, etc.).
- If the Offeror currently employs and / or plans to employ non-US citizens who will be on-site personnel, explain how the foreign national access requirements of NASA Ames Research Center (badging may take over 30 days for clearance) will impact the Phase-In activities. Also demonstrate an understanding of what non-citizens will be tasked to do and what restrictions will be faced.

f. Sample Tasks

Provide a detailed response to the Sample Tasks (See attachment J.1(b)24).

For Sample Task 1, the response, in the form of a technical plan, must be of sufficient detail to fully demonstrate the offeror's understanding of the technical requirements of this RFP. The technical plan must address the following:

- Your approach for accomplishing the work shall include: processes, analysis techniques, and assumptions made.
- Estimate the levels of expertise and staffing needed to accomplish the task objectives. Include estimated labor hours, skill level and mix, staffing approach and associated risks, level of management oversight needed, proposed schedule and required resources.
- Identify critical issues.
- Discuss potential problems and proposed approaches to the resolution of those problems, assess risks, and describe proposed mitigation(s).
- Estimate the cost to accomplish the work.

For Sample Tasks 2-5, describe only your management process for planning, staffing, and responding to the above sample task. The response should address the following:

- The approach to staffing, managing, and accomplishing the effort appropriate to the length of the task, the internal resources available, alternate sources of resources to be exploited, any hiring actions and processes that would be required, identified risks and proposed mitigations, and the assumptions made.
- Estimate the cost to accomplish the work. Identify the areas of risk that could generate cost differentials from the nominal case of Sample Task 1, and estimate the deltas in costs, if any.
- Discuss potential problems and proposed approaches to the resolution of those problems

Estimate the levels of expertise and staffing needed to accomplish the task objectives. Include estimated labor hours, skill level and mix, staffing approach and associated risks

Inconsistencies between the solution to the sample tasks and the rest of the proposal may be considered a lack of sound management and/or technical expertise. A technical plan that basically restates the SOW does not adequately demonstrate an understanding of the requirement nor does it provide sufficient assurance that the offeror can be expected to meet the NASA Ames mission objectives.

g. Organizational Conflicts of Interest Avoidance Plan



An Organizational Conflicts of Interest Avoidance Plan shall be provided in the proposal. The Plan shall include a narrative which describes the Contractor's procedures to ensure that all safeguards are in place to maintain control, handling and non-disclosure of sensitive data in conformance with contract requirements. Specifically, the Plan shall address all the requirements identified in Section H, paragraph H.2 (*Organizational Conflicts of Interest and Limitation on Future Contracting*) and in NFS 1852.237-72, *Access to Sensitive Information* (Section I) relative to the offeror's understanding and proposed methodology for implementation of the above contract requirements.

**(3) Subfactor 3. Safety and Health**

The Offeror shall submit a detailed written safety and health plan, addressing safety and health hazards that will be expected during this contract. Safety items to be covered in the plan can be found in NPR 8715.3A and APR 1700.1, and shall include, at a minimum, those listed below. Additional items may be included, if appropriate.

- (1) Statement of the policy and program goals concerning safety and health.
- (2) Safety and health program management structure. The plan shall clearly define safety assignments and specific safety roles to individuals by name and title.
- (3) Safety management program elements. The plan shall cover techniques for achieving program goals and shall include:
  - (i) Methods to make certain that clear statements of hazardous situations and necessary cautions are in documents which detail operations, such as inspection, test, and operating procedures.
  - (ii) Means for ensuring that every employee understands how to recognize hazards and how to avoid having mishaps.
  - (iii) Procedures for certification of personnel performing potentially hazardous operations. Identify certifications and corresponding training requirements and/or physical conditions that are required to perform work.
  - (iv) Controls over the procurement, storage, issuance, and use of hazardous substances and procedures for management of hazardous waste.
  - (v) Controls for special hazards such as lasers, explosives, biohazards, power-actuated hand tools, high-pressure devices, etc.
  - (vi) Method for ensuring that emergency plans and procedures are current and sufficient.
  - (vii) Method for reporting and investigating accidents and incidents (mishaps).
- (4) Approach to supporting the government in meeting its safety goals.

**(b) Past Performance Proposal (Volume II).**

The goal of this area is to obtain information regarding the offeror and major subcontractors' relevant past performance specifically in the areas of technical performance, contract management, corporate management responsiveness, and other information. "Major subcontractors," for purposes of this solicitation, is defined as \$500,000 total contract value, including all options, covering a performance period of five (5) years. The Past Performance Proposal must include a list of relevant government and industry contracts, each in excess of \$1,000,000 total contract value, received in the past five (5) years, or currently in negotiation, involving types of related effort. These contracts shall demonstrate the offeror's capabilities to perform this requirement. Include the contract numbers; Government agency or industry placing the contract; Contracting Officer, telephone number, and email address; and a brief description of the work, and whether your company was the incumbent on the prior contract. Industry contracts involving subcontracting to another company that may have a prime contract with some area of the government are to be included. In this case, include a brief description of the Offeror's part of the work and the total dollar

value of the Offeror's portion.

**A. Information Provided by Offerors and Major Subcontractors** The Offeror and major subcontractors shall provide Information regarding relevant technical performance, contract management, corporate management responsiveness, and other information as listed below for all relevant contracts. The offeror is also required to complete the Relevant Contract Chart provided below.

**1. Relevant Technical Performance.** The offeror and major subcontractors shall provide any relevant technical performance information for each of their reference contracts to assist in the Government's evaluation on each of the following topics:

- Compliance with technical and schedule requirements; explain any schedule slips.
- Contractor flexibility and effectiveness in dealing with changes to technical requirements.
- Innovative and resource-efficient solutions to satisfy requirements.
- Key personnel performance and relevant experience
- Approach to assessing technical performance and re-assigning staff as necessary.
- Problems encountered and the corrective action taken.
- Proactive accomplishment of technical objectives.
- Approach to dealing with short-term requirements.
- Quality, accuracy, and completeness of technical documentation.

**2. Contract Management.** The offeror and major subcontractors shall provide any contract management information for each of their reference contracts to assist in the Government's evaluation on each of the following topics:

- Management of both small and large tasks as well as the simultaneous management of a large number of varied tasks.
- Conformance with the terms and conditions of contracts, including delivery of products and reports, and adherence to cost and schedule constraints.
  - For each cost-type reference contract, specify the amounts of and explain the reason for cost underruns or overruns, if any. Specify the amounts and explain the reason for any cost savings or growth resulting from deletions or extensions to the period of performance, from work added/deleted to the scope of the contract, and from performance that cost more or less than originally predicted or estimated.
- Subcontract management.
- Customer interactions.
- Ability to hire, retain, and motivate high-caliber technical employees to address contract objectives.
- Process and results of contract change implementation and/or negotiation.
- Performance of the procurement system.
- Safety record.
- History of handling of labor relations issues.
- Retention of incumbent contractor employees during first year of contracts for which the offeror was not the incumbent.
- Management of the phase-in period to ensure efficient continuation of operations during contract turn-over.
- Management of technology transfer including export control, Government sensitive, and third party proprietary data issues.

- Process for, and history of, New Technology Reporting

**3. Corporate Management Responsiveness.** The goal of this area is to obtain information regarding the offeror and major subcontractors' corporate relevant past performance, and the relationship of the offeror to any entities within the corporation that will substantially contribute to the proposed contract or have the potential to significantly impact the proposed contract, and how well they have worked together in the past. The Offeror and major subcontractors shall provide any corporate management responsiveness information for each of its reference contracts to assist in the Government's evaluation. For all Offerors that intend to team, the Offeror shall submit information describing past successful teaming experiences in the referenced contracts. The following topics must be addressed:

- Responsiveness of corporate management to contract problems.
- Extent of corporate management involvement in contract operations.
- Qualifications and effectiveness of on-site contract management.
- Availability of corporate resources.
- Stability and performance of contractor workforce.
- Changes made to lines of authority during the contract and their impact to contract performance.
- Any changes in direct and indirect rates from original proposal, and their impact on overall cost performance.
- Management of performance problems and their resolutions.
- Management of process for hiring and retaining uniquely qualified individuals.
- Management of processes for hiring foreign nationals of varying immigration status.

**4. Other Information.** For each of their reference contracts, (1) provide the rating scale, ratings received, and the fee results by evaluation period for each Award Fee or Incentive Fee contract, and (2) to assist in the Government's evaluation on each of the following topics, the offeror and major subcontractors shall:

- Provide past performance information regarding predecessor companies, key personnel who have relevant experience, or subcontractors that will perform major or critical aspects of the requirement
- Discuss phase-in period for all contracts in which the offeror was not the incumbent. Include retention rates for key personnel, retention rates for technical personnel, technical milestones met or slipped, any other pertinent issues, and lessons learned.
- Describe recruiting actions taken; describing skill sets required, recruitment processes, and hiring success rates.
- Provide examples, if any, of short term or long term contract growth and your approaches to dealing with increased workload, contract de-scoping, and/or skill set changes.
- Describe examples, if any, of loss of key personnel and your experience in filling the vacant position(s).
- Discuss examples of engaging technical personnel in continuous improvement processes and in establishing, maintaining, and improving corporate values and high morale.
- Provide examples of improved personnel management and technical performance and the metrics used to measure the improvement.
- Describe significant awards and certifications received during the past 5 years. Identify what segment of the company received the award or certification, when it was received, and whether any certifications are still current. Technical Awards should be relevant to solicitation requirements.

- Describe any serious performance problems, termination for default, environmental violations or safety violations cited.
- If applicable, identify any Labor Unions having Collective Bargaining Agreements with your company covering classes of employees proposed for this requirement. Furnish one copy of each Agreement and discuss the history of claims or disputes and their resolution(s), including the number of claims filed, the outcome of each claim, and how each claim was resolved. Historical information is requested over the last five (5) years.
- List the date of the most recent reviews of your management system(s) (e.g., purchasing, accounting, property, estimating). Data must identify the type of review, including the results of the review, the cognizant Government agency making the review, systems approvals, if any, and the last date of a system approval.

The Government reserves the right to require additional past performance information from other subcontractors that may be deemed critical by the Government, and from an organization that will substantially contribute to the proposed contract, or have the potential to significantly impact performance of the proposed contract.

Past performance information may also be obtained through the NASA Past Performance Data Base (PPDB) or similar systems of other Government departments and agencies, questionnaires tailored to the circumstances of this acquisition, Defense Contract Management Agency (DCMA) channels, interviews with Program Managers and Contracting Officers, and other sources known to the Government, including commercial sources.

Offerors are notified that, in conducting an assessment of past performance, the Government reserves the right to use both data provided by the Offeror and data obtained from other sources.

The following chart is used to capture past performance information similar in technical requirements, size and complexity to the work that may result from this solicitation. Complete the following chart by inserting the appropriate contract number in the first column and the number of people in each topic area as well as the total and total employees on contract. Separate contract for prime and major subcontractors.

**RELEVANT CONTRACT CHART**

Agency - Contract No./Company	1. Aerothermodynamics	2. High Enthalpy Testing	3. Thermal Protection Materials and Systems	4. Computational Fluid Dynamics	Total (1 - 4 Only)	Total on Contract
Prime's Totals:						
Major Subcontractors:						
Other NASA Contracts:						

Contract No.	Point of Contact (name, telephone number, email address)

**B. Past Performance Questionnaires**

The following information shall be supplied for each offeror and major subcontractor. All information requested must concern contracts considered to be relevant in technical requirements, size and complexity to the contract expected to be awarded from this RFP. This information shall concern only work performed by the offeror's or major subcontractors' business unit that will perform the work under this contract, if awarded. **Each offeror is responsible for assuring that the customers return questionnaires directly to the Government 10 days prior to the proposal due date.** If the offeror or major subcontractor does not have enough references to meet these requirements, references shall be provided to the maximum extent possible. The questionnaires returned to the Government will not be counted against the proposal's page limitation.

(1) Each offeror and major subcontractor shall complete Page 1 of the Past Performance Questionnaire identified in Section J, "List of Documents, Exhibits, and Attachments," for each active (underway at least one year) or recently completed (completed within the last five years) relevant NASA contract valued at or above the major subcontract threshold, and for each reference identified in paragraphs 2 and 3 below. **The offeror must submit two copies of Page 1 directly to the Government at least 10 days prior to the proposal due date.** Email or fax the information to: Lana.Jones.Clemon@nasa.gov or Fax: 650-604-0912.

(2) At a minimum each offeror and major subcontractor shall send a blank Past Performance Questionnaire, for completion, to the cognizant Contracting Officer or the Contracting Officer's Technical Representative of all relevant completed (completed within the last five years) or active (underway at least one year) NASA contracts.

(3) At a minimum each offeror and major subcontractor shall provide a blank questionnaire, for completion, to customers from all relevant contracts as described in L.9 (b).

**(c) Cost/Price Proposal (Volume III)**

Proposed costs will be analyzed to determine the cost/price and associated risks of doing business with the offeror. Cost proposals shall include the following information for the offeror as well as any subcontract valued at \$1M or more. The proposed costs will be used for evaluation purposes based on the Government's estimated pricing model staffing plan (labor categories and labor hours) included as Attachment J.1(b) 1. This will provide the government with a standard cost model to be used to compare proposals. The cost model is for evaluation purposes and the actual number of labor hours needed in the various labor categories will be determined upon negotiation of individual task orders. If certification of cost or pricing data is required in accordance with Federal Acquisition Regulation 15.403, the successful Offeror will be required to submit a Certificate of Current Cost or Pricing Data in the form set forth in FAR 15.406-2 prior to the execution of any contract to be awarded as a result of this solicitation.

An important prerequisite for the award of the contract is that the offeror must have an accounting system that is capable of accurately collecting, segregating and recording costs by contract. Also, though the proposal is not required to be cost certified, it must be in sufficient detail to allow direct and indirect rate verification and audit of selected costs by the cognizant Defense Contract Audit Agency (DCAA) office. If your system has previously been reviewed, and approved by the Government, provide the name and telephone number of the cognizant Government office.

The required format for other than cost or pricing data is for evaluation purposes. The cost for any resultant contract will be awarded on the basis of the successful offeror's normal estimating and/or

accounting system or the system set forth in the Cost Accounting Standards Board Disclosure Statement required by Public Law 100-679, if applicable. If the offeror's estimating and/or accounting practice differs from the required cost proposal format, the costs should be computed in accordance with the offeror's normal accounting and estimating procedures provided with rationale for the format adjustments.

The Government has provided position descriptions/categories and estimated hours for all the non-management direct labor, (i.e. labor other than program management), (Attachment J.1(b)1) anticipated for this effort. The estimated non-management hours are provided for evaluation purposes **only** and are not to be construed and/or interpreted as the number of hours that will be ordered under this Indefinite Delivery/Indefinite Quantity contract. Offerors are required to add their own unique program management staff positions and associated hours to manage this effort as part of their cost proposal.

Direct labor must be estimated on the basis of productive effort. Productive effort is the estimated number of hours required to perform the work. Vacations, holidays, sick leave, and any other paid absences shall not be cited as direct labor, but shall be separately identified and priced or included in indirect cost.

The offeror and **all** subcontractors and/or teaming partners, regardless of dollar value, shall be included in **Exhibits 2A and 2B** and shall complete and submit **Exhibits 3A and 3B**. For significant subcontracts expected to exceed \$1M, the proposed significant subcontractor and/or teaming partner shall provide Cost **Exhibits 3A and 3B through Exhibit 8** and supporting information that is requested from the offeror. Prospective subcontractors and/or teaming partners may submit proprietary cost data, under separate cover, directly to the Government no later than the date and time specified in the instructions for receipt of offers for this RFP.

The offeror shall submit electronic copies of the cost proposal charts contained in the referenced exhibits in Microsoft Excel format on CD-ROMs. Two copies of the CD-ROMs shall be submitted with one copy identified as the backup. This requirement is in addition to the required hard copies. The offeror shall include all formulas in the cost charts to substantiate the whole dollar amount proposed. The offeror shall certify that all disks are virus-free. In the event of any inconsistency between data provided on electronic media and hard copies, the hard copy data will be considered to be correct.

An annual rate of **2.5%** recommended by NASA Headquarters should be used for labor escalation. Rationale and justification is required for proposing an escalation rate other than the recommended rate.

For purposes of proposal submissions, the following chart of Other Direct Costs (ODCs) which only reflects material/supplies, travel, and training is provided for use in the offeror's cost model. These amounts represent the Government's current best estimate of contract requirements.

	Year 1	Year 2	Year 3	Year 4	Year 5	Total Estimated Cost
Total ODCs	\$112,000	\$115,360	\$118,821	\$122,385	\$126,057	\$594,623.00

All costs shown above for ODCs are exclusive of any indirect expenses. Therefore, unless it is not the offeror's normal accounting practice to do so, these costs should bear their applicable portion of G&A expense.

Offerors shall use the formats of the Cost Exhibits described below and shown in Section J.1(b)3. Sufficient detail should be provided to support and explain all costs proposed.

**Exhibits 1A and 1B:** **Exhibit 1A** is a summary of the total proposed cost for all contract years using indirect expense **bid** rates and **Exhibit 1B** is a summary of the total proposed cost for all

contract years using indirect expense **ceiling** rates. The source of costs per contract year is **Exhibit 2A** for **Exhibit 1A** and **Exhibit 2B** for **Exhibit 1B**. Both exhibits shall also identify as a separate amount, any phase-in costs associated with the phase-in period and transition from the current contract requirements and staffing levels to those anticipated to fulfill the requirements of this RFP. They should include the cost of administration, relocation, employee sign-on, training, retraining, and any other costs associated with the phase-in/phase-out plan. Phase-in costs shall be fully explained and related to the phase-in/phase-out plan included in the offeror's Mission Suitability Proposal. Phase-in shall start on the effective date of the contract.

(a) The offeror shall complete **Exhibits 2A and 2B**, for each Contract Year, including all **subcontractors and teaming partners, regardless of dollar value, expected to perform under the subject contract**. The offeror shall complete these exhibits in accordance with the following instructions and then provide a summary of the total proposed cost in **Exhibit 1A** (Bid Rates) and **Exhibit 1B** (Ceiling Rates).

- At the top of **Exhibits 2A and 2B**, the offeror shall insert its loadings (**bid indirect expense rate(s)** and/or fee(s) in **Exhibit 2A** and **ceiling indirect expense rate(s)** and/or fee(s) in **Exhibit 2B**) that will be applied to the subcontractor(s) or teaming partner(s) burdened labor rates in accordance with its approved accounting system. Specify the element of cost (e.g., material handling and/or G&A and/or award fee) and the proposed contract year rate for each element of cost (indirect expense rates must match the respective contract year indirect expense rates in **Exhibits 4A and 4B**).
- In **Exhibits 2A and 2B**, the offeror shall insert its burdened labor rates and/or subcontractor or teaming partner burdened labor rate(s) for each direct labor category. These burdened rates must match the burdened labor rates in **Exhibits 3A and 3B** from the offeror and all subcontractors and teaming partners. The offeror may modify **Exhibits 2A and 2B** to delete or add additional subcontractor columns, if necessary.
- Using the respective offeror loadings specified at the top of **Exhibits 2A and 2B**, the offeror shall calculate and insert the subcontractor's "burdened labor rate w/prime loading" rates for each subcontractor's or teaming partner's direct labor category. For example, if the subcontractor's burdened labor rate is \$100 and the offeror's bid loadings are G&A at 10% and award fee at 8%, the Subcontractor's burdened labor rate with offeror's loading rate(s) will be \$118.80 [(\$100 \* 1.10) \* 1.08].
- For each direct labor category in **Exhibits 2A and 2B**, the offeror shall insert the **percentage of anticipated effort to be performed by itself and/or each subcontractor or teaming partner**. The percentages proposed for each labor category in **Exhibits 2A and 2B** must be the same--only the rates will differ (bid versus ceiling indirect rates). The offeror plus all subcontractors and/or teaming partners "Percent of effort" must total 100% for each direct labor category.
- The offeror shall then add the results from multiplying the respective percent of effort against the offeror's burdened labor rate and each subcontractor's burdened labor rate with offeror's loading rate(s) to derive the total composite burdened labor rate for each and every direct labor category in **Exhibits 2A and 2B**.
- The total composite burdened labor rates in **Exhibits 2A and 2B** for each non-program management labor category shall be multiplied against the respective Government estimated direct labor hours set forth in **Attachment J.1(b)1a** to derive the total burdened labor cost. The percent of effort must total 100% for each and every direct labor category in **Exhibits 2A and 2B**. In addition, the Government estimated direct labor hours provided for each non-program management labor category in **Attachment J.1(b)1a** shall not be changed.

- Likewise, the total composite burdened labor rates in **Exhibits 2A and 2B** for program management labor categories shall be multiplied against the labor hours estimated for this effort by the offeror and/or subcontractor/teaming partner. The amount of program management effort (categories, hours) proposed in **Exhibits 2A and 2B** shall be the same--only the rates will differ (bid versus ceiling indirect rates).
- The offeror shall then complete **Exhibits 2A and 2B**, by including all non-labor costs (e.g., materials/supplies, travel/training) and also the applicable indirect expenses and award fee using only the offeror's proposed rates.

(c) The offeror and all subcontractors and/or teaming partners (regardless of dollar value) included in **Exhibits 2A and 2B** shall complete **Exhibits 3A and 3B**. These exhibits disclose the base (unburdened) labor rates proposed for each direct labor category and the indirect expense rates and fixed fee used to compute the burdened labor rates used in **Exhibits 2A and 2B**. The only difference between the two exhibits is that bid indirect expense rates are used for **Exhibit 3A** and ceiling indirect expense rates are used for **Exhibit 3B**. If the offeror's and/or subcontractor's/teaming partner's accounting system provides for more than one fringe benefits rate and/or more than one overhead rate, the applicable indirect expense rates used to compute the burdened labor rates should be shown for each direct labor category. On the other hand, if the same indirect expense rates apply to all of the labor categories, the rates need only be shown for the first labor category identified in each of the exhibits. Also, if it is your normal accounting practice to include fringe benefits with overhead, leave the fringe benefits columns blank and explain with a footnote. In addition, the allocation base for each indirect expense rate should be shown at the bottom of the exhibits. The format to be used for these exhibits is shown in the **Exhibit 3A/3B SAMPLE**.

(d) **Exhibits 4A and 4B: Summary of Indirect Expense Rates**. These exhibits reflect the fringe benefits, overhead and G&A rates by contract year and offeror's fiscal year. Material overhead rates and any other burden rates should be shown separately. **Exhibit 4A** is for identification of the bid indirect expense rates and **Exhibit 4B** is for identification of the ceiling indirect expense rates. The exhibits summarize the offeror's fiscal year rates from **Exhibits 5A, 5B and 5C** for fringe benefits, overhead and G&A, respectively. Identify the offeror's fiscal year in the space provided (e.g., 12-31-08), and show the offeror's applicable accounting periods for the various contract years.

(e) **Exhibits 5A, 5B, and 5C**. These three exhibits are similar in nature. For each exhibit, the offeror is to show, by fiscal year, each item of expense included in fringe benefits (**Exhibit 5A**), overhead (**Exhibit 5B**) and G&A (**Exhibit 5C**) that comprises its proposed bid indirect expense rates. In addition to showing projected expenses through the life of the contract, including all options, show the actuals for each of the prior three fiscal years. If more than one rate is proposed for fringe benefits and/or overhead, separate **Exhibits 5A and 5B** should be provided. The base of allocation and the amount of the base should be provided on each exhibit. If the rates are negotiated forward pricing rates, furnish the name of the Government agency with whom they were negotiated and the date of negotiations. If not negotiated, state the date when the rates were developed.

(f) **Exhibits 6A, 6B, and 6C**. These three exhibits are the same as Exhibits 5A, 5B, and 5C with the exception that they identify the offeror's ceiling rates for indirect expenses. An explanation should be provided on how the ceiling rates differ from the bid rates.

(g) **Exhibit 7: Summary of Key Personnel Labor Rates**. This exhibit identifies all key personnel with their actual hourly labor rates shown as of a current identified payroll date. For any individual not currently employed by the offeror, show the hourly labor rate at which the individual has agreed to be hired should the offeror be selected for contract award.

(h) **Exhibit 8: Proposed Staffing Requirement**.

- (i). This exhibit shows how the offeror plans to obtain the required personnel for the first



year of contract performance by identifying the number of personnel to be obtained (1) from within the company, (2) from the current incumbent(s), and (3) through new hires. For personnel to be obtained from within the company, provide current and proposed labor rates accompanied by an explanation of how the proposed rate was determined. For personnel to be obtained from the current incumbent(s) or through new hires, identify the source of the proposed labor rates.

(ii). Identify the number of nonproductive hours per person per year. A nonproductive hour is an hour expended for non-work time such as vacation, holidays, sick leave, and other personal leave. State the number of hours for each of these elements. Explain how the nonproductive hours will be accumulated and charged. State policies for treating accumulated vacation and unused sick leave hours, as well as for their treatment at contract completion. Explain policies for overtime eligibility, the amount of overtime premium, and charging of premium. This includes the application of benefits (full or partial) to be applied to the overtime premium. Also explain, if applicable, treatment, rates, and cost for shift differentials.

(i) **Exhibit 9:** This exhibit summarizes the proposed subcontract and teaming partner activity. In addition to identifying all subcontractors and teaming partners, information should be provided on how the cost for each was estimated, and the type of proposed subcontract (i.e., firm-fixed price, cost-plus-fixed-fee, labor hour, etc.). For any significant subcontractor and/or teaming partner that has a potential estimated cost in excess of the \$1M threshold, the subcontractor/teaming partner shall provide cost **Exhibits 3A and 3B** through **Exhibit 8** and supporting information that is requested from the offeror.

(j) **Facilities Capital Cost of Money.** If an amount for Facilities Capital Cost of Money is proposed by the offeror, it must be separately identified and computed in accordance with Cost Accounting Standards (CAS) 414. To claim this cost, the amount must be calculated using Forms CASB-CMF and DD 1861. (See Section J for attachments.) and inserted in **Exhibits 1A and 1B**. NOTE: When facilities capital cost of money is included as an item of cost in the Offeror’s proposal, it shall not be included in the cost base for calculating profit/fee. In addition, a reduction in the profit/fee objective will be made in the amount equal to the facilities capital cost of money allowed or one percent of the cost base, whichever is less. (See NFS 1815.404-471-5(a).)

(END OF PROVISION)

**L.10 LIST OF AVAILABLE GOVERNMENT PROPERTY (DEVIATION) (NFS 1852.245-81) (SEP 2007)**

(a) The Government will make the following Government property available for use in performance of the contract resulting from this solicitation, on a no-charge-for-use basis in accordance with FAR 52.245-1, *Government Property*. The offeror shall notify the Government, as part of its proposal, of its intention to use or not use the property.

Item Description	Acquisition Date	Acquisition Cost	Quantity	If equipment		
				Manufacturer	Model	Serial No.
SEE ATTACHMENT J.1(a)3						

(b) The Government will make the following Government property available for use in performance of the contract resulting from this solicitation, on a no-charge-for-use basis in accordance with FAR 52.245-2, *Government Property Installation Operation Services*. The offeror shall notify the Government of its intention to use or not use the property.

Item Description	Acquisition Date	Acquisition Cost	Quantity	If equipment		
				Manufacturer	Model	Serial No.
N/A						

(c) The selected Contractor will be responsible for costs associated with transportation, and installation of the property listed in this provision.

(END OF PROVISION)

**L.11 PATENT RIGHTS CLAUSES. (NFS 1852.227-84) (DEC 1989)**

This solicitation contains the patent rights clauses of FAR 52.227-11 (as modified by the NFS) and NFS 1852.227-70. If the contract resulting from this solicitation is awarded to a small business or nonprofit organization, the clause at NFS 1852.227-70 shall not apply. If the award is to other than a small business or nonprofit organization, the clause at FAR 52.227-11 shall not apply.

(END OF PROVISION)

[END OF SECTION]

SECTION M – EVALUATION FACTORS FOR AWARD

**M.1 LISTING OF PROVISIONS INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.217-5	JUL 1990	EVALUATION OF OPTIONS

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

CLAUSE NUMBER	DATE	TITLE
---------------	------	-------

None included by reference

(END OF PROVISION)

**M.2 EVALUATION APPROACH**

**(a) General.** The contract award will be based on the evaluation of three factors: Mission Suitability (Volume I), Past Performance (Volume II), and Cost/Price (Volume III).

(1) This provision is intended to explain the rationale and precise criteria by which proposals will be assessed by the evaluation team. Offerors are to prepare proposals with these criteria in mind (i.e., in terms of both content and organization), in order to assist the team in determining the relative merit of proposals in relation to the requirements as defined in the Statement of Work.

(2) The Government may award a contract based on the initial offers received, without discussion of such offers. Accordingly, each offeror shall submit its initial proposal to the Government using the most favorable terms from a price and technical standpoint.

(3) Proposals will be evaluated in accordance with the requirements of FAR Subpart 15.3, "Source Selection," as supplemented by NFS Subpart 1815.3, "Source Selection." Offerors must recognize that the initial evaluation of proposals and the determination of the competitive range, if any, will be made upon a review of the proposals only, plus some independent investigations that may be made with regard to Past Performance. Discussions will be held only if award on the basis of initial offers is determined not to be in the Government's best interest. If written or oral discussions are conducted, the Government will seek revised proposals from offerors within the competitive range.

(4) At the conclusion of discussions (if applicable), as stipulated in FAR 15.307, a Final Proposal Revision (FPR) will be requested from all offerors still within the competitive range. The FPR shall be submitted in the form of a contractual document (including revisions to the original proposal) that has been executed by an individual with the authority to bind the offeror. Selection will be made in accordance with the evaluation criteria set forth below. Contract award may be made without subsequent discussions or negotiation.

(5) The Source Evaluation Committee (SEC) will present its findings to the Source Selection Authority (SSA). The SSA's decision shall be based on a comparative assessment of proposals against all source selection criteria in the solicitation. While the SSA may use reports and analyses prepared by others, the source selection decision shall represent the SSA's independent judgment. The Government intends to award a contract resulting from this solicitation to the responsible Offeror whose proposal

represents the best value after evaluation in accordance with the criteria set forth in the solicitation.

**(b) Evaluation Factors.** There are three evaluation factors for this procurement: Mission Suitability, Past Performance, and Cost/Price. A general definition of these factors may be found at NFS 1815.304, "Evaluation factors and significant subfactors." Specific information regarding each factor is provided below:

(1) Mission Suitability Factor The Mission Suitability factor indicates, for each offeror, the merit or excellence of the work to be performed and the ability of the offeror to accomplish what is offered, or the product to be delivered. The Mission Suitability Factor will be rated by adjective and the Mission Suitability Subfactors will be rated by adjective and numerically weighted and scored in accordance with NFS 1815.305(a)(3), "Technical Evaluation," and the following table.

ADJECTIVAL RATING	DEFINITIONS	PERCENTILE RANGE (Subfactor Only)
Excellent	A comprehensive and thorough proposal of exceptional merit with one or more significant strengths. No deficiency or significant weakness exists.	91-100
Very Good	A proposal having no deficiency and which demonstrates over-all competence. One or more significant strengths have been found, and strengths outbalance any weaknesses that exist.	71-90
Good	A proposal having no deficiency and which shows a reasonably sound response. There may be strengths or weaknesses, or both. As a whole, weaknesses not offset by strengths do not significantly detract from the offeror's response.	51-70
Fair	A proposal having no deficiency and which has one or more weaknesses. Weaknesses outbalance any strengths.	31-50
Poor	A proposal that has one or more deficiencies or significant weaknesses that demonstrate a lack of overall competence or would require a major proposal revision to correct.	0-30

Overall, the offeror's Mission Suitability proposal will be evaluated based on the offeror's ability to fulfill the technical and management oversight requirements while meeting quality, schedule, and safety requirements. The compatibility between the proposed technical approach and proposed total compensation to accomplish the work will be an important consideration in the evaluation of this factor. In addition, proposal risk will be evaluated with respect to cost and performance or technical and managerial aspects.

(2) Past Performance Factor. This factor indicates the relevant quantitative and qualitative aspects of each offeror's record of performing services or delivering products similar in size, content, and complexity to the requirements of the current acquisition. This factor provides an opportunity to evaluate the quality of goods and services provided by the offerors to the agency and other organizations as either a prime or subcontractor.

The Past Performance evaluation assesses the contractor's performance under previously awarded contracts. The past performance evaluation is an assessment of the Government's level of confidence in the offeror's ability to perform the solicitation requirements. The past performance evaluation shall be in accordance with FAR 15.305(a)(2) and 1815.305(a)(2). When applying the definitions below to arrive at a confidence rating, the SEC's evaluation shall clearly document each Offeror's relevant past performance and the currency of the past performance to assess the Offeror's overall confidence rating assigned. Past Performance shall be evaluated for each offeror using the following levels of confidence ratings:

<u>LEVEL OF CONFIDENCE RATINGS</u>	
<u>Very High Level of Confidence</u>	The Offeror's recent and relevant past performance is of exceptional merit that is highly germane (e.g. size, scope and complexity) to the requirement; indicating exemplary performance in a timely, efficient, and economical manner; very minor (if any) problems with no adverse effect on overall performance. Based on the offeror's performance record, there is a very high level of confidence that the offeror will successfully perform the required effort. (One or more significant strengths exist. No significant weaknesses exist. The mere absence of a significant weakness does not make a proposal meet the requirements for a Very High Level of Confidence.)
<u>High Level of Confidence</u>	The Offeror's recent and relevant past performance is at least pertinent (e.g. size, scope, and complexity) to the requirement; demonstrating very effective performance that would be fully responsive to contract requirements with contract requirements accomplished in a timely, efficient, and economical manner for the most part with only minor problems with little identifiable effect on overall performance. Based on the offeror's performance record, there is a high level of confidence that the offeror will successfully perform the required effort. (One or more significant strengths exist. Strengths outbalance any weakness.)
<u>Moderate Level of Confidence</u>	The Offeror's recent and relevant past performance maybe be limited in terms of the size, scope and complexity when compared to this acquisition, and it demonstrates effective performance; fully responsive to contract requirements; reportable problems, but with little identifiable effect on overall performance. Based on the offeror's performance record, there is a moderate level of confidence that the offeror will successfully perform the required effort. (There may be strengths or weaknesses, or both.)
<u>Low Level of Confidence</u>	The Offeror's recent and relevant past performance maybe be limited in terms of the size, scope and complexity when compared to this acquisition, and it demonstrates meets or slightly exceeds minimum acceptable standards; adequate results; reportable problems with identifiable, but not substantial, effects on overall performance. Based on the offeror's performance record, there is a low of confidence that the offeror will successfully perform the required effort. Changes to the offeror's existing processes may be necessary in order to achieve contract requirements. (One or more weaknesses exist. Weaknesses outbalance strengths.)
<u>Very Low Level of Confidence</u>	The Offeror's recent and relevant past performance demonstrates performance that does not meet minimum acceptable standards in one or more areas; remedial action required in one or more areas; problems in one or more areas which adversely affect overall performance. Based on the offeror's performance record, there is a very low level of confidence that the offeror will successfully perform the required effort. (One or more deficiencies or significant weaknesses exist.)
<u>Neutral</u>	In the case of an offeror without a record of relevant past performance or for whom information on past performance is not available, the offeror may not be evaluated favorably or unfavorably on past performance [see FAR 15.305(a) (2) (ii) and (iv)].

(3) Cost/Price Factor. This factor is used to assess what each offeror's proposal will cost the Government should it be selected for award. Proposed costs are analyzed to determine the cost/price and associated risks of doing business with an offeror based upon the offeror's proposed approach for the proposed price. A cost realism analysis will be performed to assess the reasonableness and realism

of the proposed costs. It is not numerically scored.

**(c) Mission Suitability Factor (Volume 1).** The Offeror's Mission Suitability proposal will be evaluated based on the Offeror's ability to fulfill the technical requirements while meeting quality, schedule, and safety requirements. The compatibility between the proposed technical approach and the overall resources proposed to accomplish the work will be an important consideration in the evaluation of this factor. In addition, proposal risk will be evaluated with respect to cost, performance, technical approach, and management approach. The Mission Suitability Factor will be rated by adjective and the Mission Suitability Subfactors will be rated by adjective and numerically weighted and scored. Information submitted in Volume I of the proposal that is not relevant to the Mission Suitability factor will not be evaluated, except that if the SEC determines that a proposal does not adequately demonstrate that the offeror will be able to perform the work with the resources proposed, the SEC may determine this to be a mission suitability weakness as well as require an adjustment for probable cost. This integration between mission suitability findings and probable cost adjustments is critical to accomplishing cost realism.

The Offerors will be evaluated and scored based on the Mission Suitability subfactors set forth below.

Note: the following outline should not be construed as an indication of the order of importance or relative weighting within individual elements of the Mission Suitability subfactors as there are no discrete point values to any of the elements.

**INDEX OF MISSION SUITABILITY SUBFACTORS AND ELEMENTS**

SUBFACTOR	ELEMENT
<b>(1) Technical Understanding</b>	
	a. Technical Plan
<b>(2) Management Approach</b>	
	a. Management and Business Approach
	b. Staffing, Recruitment, Retention and Training
	c. Key Positions and Key Personnel
	d. Total Compensation Plan
	e. Phase-In Plan
	f. Sample Tasks
	g. Organizational Conflict of Interest Avoidance Plan
<b>(3) Safety and Health</b>	

The Mission Suitability proposal will be evaluated based on completeness with respect to the elements listed in Section L, the degree of understanding of the functions and tasks to be performed and the different disciplines involved, and how these disciplines are to be applied to current and future NASA facilities, programs and projects supported by this contract. Simply restating the Statement of Work (SOW) will be unacceptable and evaluated as such. The narrative evaluation will be based on:

**(1) Subfactor 1: Technical Understanding:**

Each proposal will be examined to evaluate the Offeror's overall understanding of the requirement and technical approach. Restating the Statement of Work (SOW) will not be interpreted as demonstrating understanding.

a. Technical Plan:

The Offeror's proposal will be evaluated on how well it demonstrates its comprehension of each of the requirements of the SOW and specifically addresses how the work will be accomplished. The proposal will be evaluated based on the soundness, technical merit, innovativeness, efficiency, and effectiveness of the proposed technical approach. Specifically, the following will be evaluated:

- How the broad spectrum of technical areas of the SOW will be performed in a coherent, integrated manner that will meet each of the requirements defined in the Statement of Work, specifically addressing the requirements of each of the technical areas of the Space Technology Division.
- How the proposal presents a complete, balanced, and consistent approach, and clearly demonstrates an understanding of all the technical areas of the Statement of Work (SOW) and their interrelationships.
- The realism, effectiveness, and innovativeness of the offeror's proposed approach to ensuring technical quality and to staying abreast of current research and innovative technologies.
- Identification of potential risks to the successful fulfillment of the requirements and recommended approaches to minimize the probability and impact of those risks.
- The offeror's demonstrated understanding of critical issues involved in all aspects of project performance including management, systems engineering, research and analysis, design and development, fabrication support, testing, computer modeling, technical writing, laboratory/facility management and operation, software maintenance and support, and computer systems administration and other functions necessary to complete projects.
- The offeror's proposed approach to improving workflow, increase productivity, enhance communications, and improve quality, and reduce costs, including through the exploitation of IT resources, including innovative approaches and the expected advantage to the Government.
- The soundness, technical merit, innovativeness, efficiency, and effectiveness of the offeror's proposed plan for responding to task requests, planning work, staffing tasks, accomplishing the requirements, staffing tasks, and identifying, reporting, and resolving typical problems that may be encountered in satisfying the requirements of the SOW.
- The offeror's approach for responding to changes in skill set requirements.

**(2) Subfactor 2. Management Approach**a. Management and Business Approach

The offeror's proposed management and business approaches to coordinate, perform, integrate, control, and accomplish the requirements of the SOW from phase-in through the life of the contract will be evaluated with consideration of the following elements:

## (i) Management

The offeror's specific management approach for this effort will be evaluated, including:

- The offeror's proposed management structure, functions, authority, and reporting system, as well as the structural connections or associations of the entities responsible for this work with any corporate or division organizations and any subcontractors, will be evaluated on applicability to the anticipated type of work described in the SOW and on innovativeness in terms of efficiency and effectiveness.
- Reasonableness of and rationale for the levels of authority and responsibility vested in its site and technical task managers and their access to corporate or company resources to support the contract through all phases.
- Effectiveness of proposed process(es) for managing the contract including contract modifications, task modifications, handling changing environments, and problem resolution techniques.

- Adequacy of processes to plan and to manage the execution of multiple task orders, changing tasks, task priorities, resources, and schedules in a timely, efficient and cost effective manner.
- Management responsibilities for recruiting, hiring, and maintaining highly motivated employees producing high quality work.
- The offeror's proposed employee performance standards, methods for maintaining performance at those standards and employee performance incentives will be evaluated for effectiveness.
- Effectiveness of the offeror's proposed approach to planning, tracking, and controlling all work and for supervising and monitoring performance to maintain and enhance the quality of services provided.
- Effectiveness of the offeror's approach to ensuring appropriate processes for the tasking of contractor employees including employee training regarding assignment of work and/or handling of workplace issues including improper tasking of contractor employees outside of the approved task order process, and avoidance of hostile work environments.
- Demonstrated understanding of issues involved in and effectiveness of approach to managing a fluctuating workload.
- Approach for supporting the Division's educational outreach efforts and internship employment opportunities, as described in the Statement of Work.
- Demonstrated corporate commitment to and effectiveness in promoting safety.
- The efficient and effective use of any proposed sub-contracting and cooperative business arrangements, if any, the demonstrated operational and technical benefits to NASA of any such arrangements, and the effectiveness of the proposed approach for managing these arrangements to assure that the Government obtains a quality product or service.

(ii) Technical and Business Management of CTOs (Contract Task Orders). The offeror's process for responding to and managing task order requests will be evaluated as to the following:

- The offeror's management and planning process, analysis and risk assessment techniques, and system for developing cost and schedule estimates will be assessed for their simplicity, thoroughness, timeliness, realism and applicability to a wide range of task orders.
- Effectiveness and efficiency of proposed technical and business management procedures to be used to staff, direct, control, track, and report on the CTOs.
- Proposed process for staffing multiple tasks competing for limited common workforce and skill sets.
- Demonstrated understanding of complex issues that may arise during task planning and performance, and effectiveness of the proposed process for informing the NASA task requestor and the proposed approaches to resolution of those issues.
- Effectiveness of the offeror's proposed process for reporting technical and cost status and issues to the NASA task requestor.
- The offeror's proposed approach to implement changes due to changing requirements including increases or decreases in workload and/or changes in required skill sets.
- The effectiveness of the offeror's proposed approaches to identifying task performance problems and implementing corrective actions based upon task performance.



- Demonstrated understanding of cost and schedule risks and the effectiveness of the offeror's proposed plan to manage and report on costs and schedule, and to prevent cost over-runs and schedule slips.

(iii) Corporate and Management Core Values

Evaluation of the core values of the company will include how those values are implemented, and how they impact employee morale and passion for excellence, and employees' commitment to delivering high quality technical products and services.

(iv) Access to Corporate Resources

The adequacy and effectiveness of proposed corporate resources will be evaluated including:

- The services, facilities, equipment and staff assistance, both within and external to the company, that may be required to augment on-site staffing resources that can be accessed for this contract, how those resources can be obtained, and the demonstrated corporate commitment and flexibility in providing them.
- Demonstrated understanding of circumstances that may require these resources, to include providing technical consulting, human resources, procurement, legal, and foreign national processing support.
- The proposed procedures through which on-site management will access corporate resources.
- Realistic assessment of benefits to the Government of the above identified resources (in terms of mission impact, cost savings, technical resources, efficiency improvements, etc.) where appropriate.

b. Staffing, Recruitment, Retention and Training.

The Offeror's approach to and rationale for the following will be evaluated to determine appropriateness, reasonableness, effectiveness, and efficiency:

- The plan's completeness with respect to the skill categories listed in Attachment J.1 (b) 1 "Government Labor Estimate", the thoroughness of the discussion of the risks and assumptions, including the offeror's understanding of the skill categories and the local job market.
- Adequacy of proposed staffing plan including assignments, distribution and skills required for other-than-Key Personnel.
- Completeness and adequacy of recruitment plans and methods and employee retention plans.
- Adequacy of proposed plans for internal training, mentoring and career development.
- The offeror's realistic discussion of potential staffing issues and effectiveness of proposed mitigation approaches and plans to minimize staffing difficulties and turnover Issues.
- Demonstrated effectiveness of processes for dealing with underperforming employees.
- Completeness and adequacy of proposed policies and incentives aimed at contributing to employee retention, morale, productivity, growth and development.
- Realistic and effective proposal to address short notice, rapid (within 30 calendar days) recruiting of experienced and qualified personnel (other than Key Personnel), including subcontracting arrangements, and other cross-utilization of personnel to meet changing requirements of the contract.

- Realistic proposed methods and procedures for performing specific projects that may have a defined period of performance of less than one year.
- Thorough demonstrated understanding of processes for, assumptions, and issues anticipated with the hiring of foreign nationals of varying immigration status (H1, J1, green card, etc.).
- Effectiveness of recruiting methods and sources to provide highly qualified employees for this effort.
- Demonstrated commitment to and effective approach to and processes for recruiting, hiring, training and retaining a highly qualified, diverse workforce.

c. Key Positions and Key Personnel

The appropriateness and reasonableness of the offeror's proposal for Key Positions and Key Personnel will be evaluated for the following:

- Completeness and appropriateness of the rationale provided for Key Positions, and the appropriateness of the authority, responsibilities and assignments of each position.
- Reasonableness of allocation of Key Positions between the prime and any proposed subcontractors.
- Completeness and appropriateness of the experience and skills required to fill each Key Position.
- Suitability of the individuals proposed for each Key Position and the adequacy of the percentage of their time allocated to Key Position duties on this contract.
- Completeness and appropriateness of resumes and references provided for each proposed individual proposed for a Key Position, including education, summary of total experience, summary of experience in similar work (including similar types of government contracts), other applicable experience, and two (2) professional references for each Key Person.
- Appropriateness of the on-site manager's post-award authority level.
- Realism of proposed approach for providing backup for Key Personnel during absences due to vacation, illness, etc.
- Demonstrated and adequate degree of commitment of the individual(s) proposed as Key Personnel as well as the Offeror's commitment to employ or promote the person (e.g., letters of intent, etc.) and the salary to be accepted if the individual is employed under this contract.
- Adequacy of process for replacement and/or addition of Key Personnel when necessary.

d. Total Compensation Plan.

The Government will evaluate the Offeror's Total Compensation Plan for all personnel proposed, in accordance with NFS provision 1852.231-71, "Determination of Compensation Reasonableness," and FAR provision 52.222-46, "Evaluation of Compensation for Professional Employees." The plan will be evaluated for:

- Salary ranges and fringe benefits proposed for employees that demonstrate a clear understanding of the local employment market.
- The impact that the proposed compensation will have on recruiting and retaining professional employees (as defined in 29 CFR 541).

- Reasonableness of benefits that require employee contributions and the amount of that contribution as a percentage of the total cost of each benefit.
- Reasonableness of employee compensation regarding: vacations, severance pay, holidays, overtime and shift differentials, sick leave, California Family Leave Act, bonus plans, life insurance, medical/dental/vision insurance, uncompensated overtime, pension contributions, employee incentives, training, career development, moving expenses, and compensatory time.
- Reasonableness of proposed uncompensated overtime, rationale, and proposed labor categories.
- Reasonableness of the distribution of benefits charges (e.g., direct labor cost, G&A, Overhead, or Fee.)

e. Phase-in Plan

The Offeror's approach to and rationale for the following will be evaluated to determine completeness, reasonableness, effectiveness, and efficiency:

- Thoroughness of risk identification and effectiveness of proposed mitigation strategies.
- Proactive approaches to ensuring efficient continuation of current projects during contract transition, addressing issues typically encountered during the initial and ongoing transition of personnel.
- Offeror's general rationale and approaches for hiring and/or replacing incumbent personnel
- Proposal and rationale for Key or other personnel (by title and function), and their availability, who will participate during the phase-in.
- Estimate of, and supporting rationale for, the number of incumbent contractor employees expected to be hired.
- The impact of the Offeror's policy for continuing and/or replacing the benefits of the incumbent contractor's employees expected to be hired (e.g., seniority, accrued sick and annual leave, compensatory time, health plans, 401k plans, etc.).
- Demonstrated understanding, if the offeror employs and / or plans to employ non-US citizens who will be on-site personnel, of the foreign national access requirements of NASA Ames Research Center (badging may take over 30 days for clearance) and how those requirements will impact the Phase-In activities, including a demonstrated understanding of what non-citizens will be tasked to do and what restrictions will be faced.

f. Sample Tasks

The offeror's detailed response to the Sample Tasks will be evaluated to assess the offeror's understanding of the requirements by evaluating the proposed approach that would be taken in the resolution of the Sample Tasks.

For Sample Task 1, the technical plan provided in the response will be evaluated in terms of:

- Completeness of discussion of the approach to accomplish the work including, processes, analysis techniques, and assumptions made
- Realism of the estimated levels of expertise and staffing needed to accomplish the task objectives including estimated labor hours, skill level and mix, staffing approach and associated risks, level of management oversight needed, proposed schedule and required resources.

- Completeness and accuracy in identifying critical issues
- Thoroughness of discussion of potential problems and proposed approaches to the resolution of those problems, assessment of risks, and proposed mitigation(s).
- Realism of cost estimate to accomplish the work.

For Sample Tasks 2-5, the proposed management process for planning, staffing, and responding to the above sample task will be evaluated in light of:

- The effectiveness and realism of the approach to staffing, managing, and accomplishing the effort appropriate to the length of the task, the internal resources available, alternate sources of resources to be exploited, any hiring actions and processes that would be required, identified risks and proposed mitigations, and the assumptions made.
- The realism of cost to accomplish the work including the identified risk areas and the estimated deltas in cost, from the Sample Task 1 response, that those risks might incur.
- Completeness of the discussion of potential problems, and the adequacy of the proposed approaches to the resolution of those problems.

Inconsistencies between the solution to the sample tasks and the rest of the proposal may be considered a lack of sound management and/or technical expertise. A technical plan that basically restates the SOW does not adequately demonstrate an understanding of the requirement nor does it provide sufficient assurance that the offeror can be expected to meet the NASA Ames mission objectives.

g. Organizational Conflicts of Interest Avoidance Plan

The contractor's Organizational Conflicts of Interest Avoidance Plan will be evaluated for a complete and comprehensive response that describes procedures for ensuring that all safeguards are in place to maintain control, handling and non-disclosure of sensitive data in conformance with contract requirements. Specifically, the Plan will be evaluated to ensure it addresses all the requirements identified in Section H, paragraph H.2 (*Organizational Conflicts of Interest and Limitation on Future Contracting*) and in Section I, NFS 1852.237-72, *Access to Sensitive Information* relative to the offeror's understanding and proposed methodology for implementation of the above contract requirements.

**(3) Subfactor 3. Safety and Health.**

The Offeror's Safety and Health Plan will be evaluated for a complete and comprehensive response to the management of safety and health hazards that will be expected during this contract in accordance with NPR 8715.3A and APR 1700.1. The Offeror's approach and understanding to the following will be evaluated to determine soundness, efficiency, and effectiveness:

- (1) Statement of the policy and program goals concerning safety and health.
- (2) Safety and health program management structure, including the definition of safety assignments and specific safety roles to individuals by name and title.
- (3) Safety management program elements and techniques for achieving program goals including:
  - (i) Methods to make certain that clear statements of hazardous situations and necessary cautions are in documents which detail operations, such as inspection, test, and operating procedures.
  - (ii) Means for ensuring that every employee understands how to recognize hazards and how

to avoid having mishaps.

- (iii) Procedures for certification of personnel performing potentially hazardous operations. Identify certifications and corresponding training requirements and/or physical conditions that are required to perform work.
- (iv) Controls over the procurement, storage, issuance, and use of hazardous substances and procedures for management of hazardous waste.
- (v) Controls for special hazards such as lasers, explosives, biohazards, power-actuated hand tools, high-pressure devices, etc.
- (vi) Method for ensuring that emergency plans and procedures are current and sufficient.
- (vii) Method for reporting and investigating accidents and incidents (mishaps).

(4) Approach to supporting the government in meeting its safety goals.

**(d) Past Performance Factor (Volume II).**

By acquiring and reviewing information from a variety of sources, the Government will evaluate each Offeror's suitability to fulfill the requirements of this contract. The Government will evaluate the currency and relevance of the information, source of the information, context of the data, and general trends in performance of the Offeror and major subcontractors. Specifically, the Government will evaluate information on past and current performance regarding relevant technical performance, contract management, corporate management responsiveness and other information.

The explanations and amounts of cost growth will be evaluated. The reasons for any terminations for default, environmental or safety violations and schedule slips will also be evaluated.

**A. Information Provided by Offerors and Major Subcontractors**

The Government will review recent and active contracts (as defined in Section L.9(b)), to determine the relevancy of the experience to the work anticipated to be performed under this proposed contract. The past performance of the offeror and major subcontractors will be thoroughly evaluated in the following areas: Relevant Technical Performance, Contract Management, and Corporate Management Responsiveness and Other Information. The Government will also evaluate other information submitted by the offeror and major subcontractors as well as information from other sources as described in Section L.

**1. Relevant Technical Performance** The Government will review relevant recent and active contracts to assess the quality of the technical work performed under those contracts. The Government will consider the currency and relevance of the information, source of the information, context of the data, and general trends in performance of the offeror and major subcontractors. In evaluating technical performance, consideration will be given to the following:

- Compliance with technical and schedule requirements; adequate explanation of any schedule slips.
- Contractor flexibility and effectiveness in dealing with changes to technical requirements.
- Innovative and resource efficient solutions to satisfy technical requirements.
- Key personnel performance and relevant experience.
- Effective approach to assessing technical performance and re-assigning staff as necessary.
- Problems encountered and the corrective action taken.
- Proactive accomplishment of technical objectives.
- Effectiveness in meeting short-term requirements.
- Quality, accuracy and completeness of technical documentation.

**2. Contract Management.** The Government will evaluate the offeror's and major subcontractors' recent and current performance in the area of contract management. The Government will consider the currency and relevance of the information, source of the information, context of the data, and general trends in performance of the offeror and major subcontractors. In evaluating contract management, consideration will be given to the following:

- The management of both small and large tasks as well as the simultaneous management of a large number of varied tasks.
- Record in conforming with the terms and conditions of contracts, including delivery of products and reports and adherence to cost and schedule constraints.
  - The reasonableness of amounts of and explanations for any listed cost overruns or underruns on referenced cost-type contracts.
- Subcontract management.
- Customer interactions.
- History of effectively hiring, retaining, and motivating high caliber technical personnel to address contract objectives.
- The record related to the process and results of contract change implementation and/or negotiation.
- The performance of the procurement system.
- Safety record.
- History of handling labor relation problems.
- History of incumbent retention during first year of contracts for which the offeror was not the incumbent.
- History of management of phase-in period to ensure efficient continuation of operations during contract turn-over.
- Management of technology transfer issues including export control, Government sensitive and third party proprietary information.
- Effectiveness of the process for, and accurate and timeliness of New Technology Reporting

**3. Corporate Management Responsiveness.** The Government will evaluate the offeror's and major subcontractors' corporate relevant past performance, and the relationship of the offeror to any entities within the corporation that will substantially contribute to the proposed contract or have the potential to significantly impact the proposed contract, and how well they have worked together in the past. The Government will consider the currency and relevance of the information, source of the information, context of the data, and general trends in performance of the offeror and major subcontractors. The Government will evaluate the impact of the offeror's, major subcontractor's, and other entities' decisions in the following areas.

- Responsiveness of corporate management to contract problems.
- Extent of corporate management involvement in contract operations.
- Qualifications and effectiveness of on-site contract management.
- Availability of corporate resources.
- Stability and performance of the contractor work force.
- The impact on contract performance, of changes to lines of authority that were made during the contract.
- Increases in direct and indirect rates from proposed rates, and their impact on overall cost performance.
- Management of performance problems and their resolutions.
- Management of processes for hiring and retaining uniquely qualified individuals.
- Management of processes for hiring foreign nationals of varying immigration status.

**4. Other Information.** The Government will also evaluate the following for all relevant contracts and for all NASA contracts as listed in the "Relevant Contract Chart" provided in Section L:

- Relevancy of past performance information of predecessor companies, relevant experience of key personnel, or subcontractors that will perform major or critical aspects of the requirement.
- Effectiveness of phase-in plan for which offeror was not the incumbent, including retention rates for key personnel, retention rates for technical personnel, technical milestones met or slipped, any other pertinent issues, and lessons learned.
- Effectiveness of recruiting actions taken; including recruitment processes, and hiring success rates.
- Effectiveness in responding to of short term or long term contract growth and of approaches to dealing with increased workload, contract de-scoping, and/or skill set changes.
- Reasonableness of rate of loss of Key Personnel, and success in hiring actions to fill vacant Key Positions.
- Effectiveness in engaging technical personnel in continuous improvement processes and in establishing, maintaining and improving corporate values and high morale.
- Demonstrated quality improvements in personnel management and technical performance and the metrics used to measure the improvement.
- Relevant significant awards and certifications received during the past 5 years.
- Any serious performance problems, termination for default, environmental violations or safety violations cited.
- Relevancy of Labor Unions Claims (if any) against the offeror over the past 5 years with an emphasis placed on the number of claims filed, the outcome of each claim and how it was resolved, in addition to trends of incidences.
- Adequacy and currency of management system(s) reviews (e.g., purchasing, accounting, property, estimating), including the type of review, the results of the review, the cognizant Government agency making the review, systems approvals, if any, and the last date of a system approval.

The Government reserves the right to evaluate past performance information from subcontractors other than major subcontractors that may be deemed critical by the Government, and from organizations that will substantially contribute to the proposed contract, or have the potential to significantly impact performance of the proposed contract.

Past performance will also be evaluated based on information obtained through the NASA Past Performance Data Base (PPDB) or similar systems of other Government departments and agencies, questionnaires tailored to the circumstances of this acquisition, Defense Contract Management Agency (DCMA) channels, interviews with program managers and contracting officers, and other sources known to the Government, including commercial sources.

If an offeror does not have any relevant past performance history as determined herein, it will not be evaluated favorably or unfavorably and will be given a neutral level of assessment.

**(e) Cost/Price Factor (Volume III).**

The offeror's cost/price proposal will be evaluated, using one or more of the techniques defined in FAR 15.404, in order to determine if it is reasonable and realistic.

Offerors should refer to FAR 2.101(b) for a definition of "cost realism" and to FAR 15.404-1(d) for a discussion of "cost realism analysis" and "probable cost". The terms "proposed and probable cost" are exclusive of fee. Any proposed fee is not adjusted in the probable cost assessment.

The Overall Proposed Contract Cost, including the Government Contract Non-Management Direct Labor and the Offeror Management Costs proposed in Attachment J.1(b)3 will be assessed for reasonableness and cost realism. The results of the assessment described above will be the following:

- A determination of the Probable Cost (PC) of the offeror’s proposal, computed by the Government for the basic requirements of the period of performance (excluding the Phase-In Period). The PC shall be established by the Government’s estimate of anticipated performance costs plus any fee proposed. The Government will use proposed ceilings in Attachment J.1(b)3, in determining the total contract probable cost.
- Probable costs will be given a confidence level rating of “High,” “Medium,” or “Low” in accordance with NFS 1815.305(a)(1), "Cost or price evaluation."

A cost realism analysis will be performed on the overall cost proposed for Sample Task 1. The Government will evaluate the realism of each offeror’s proposed costs to ensure the offeror understands the magnitude and complexity of the sample task. This will include an evaluation of the extent to which proposed costs indicate a clear understanding of sample task requirements, and reflect a sound approach to satisfying those requirements. This assessment will consider technical/management risks identified during the evaluation of the proposal and associated costs. If the SEC determines that a proposal does not adequately demonstrate that the offeror will be able to perform the work with the resources proposed, the SEC may determine this to be a Mission Suitability weakness as well as require an adjustment for probable cost. A lack of cost realism may generate a Mission Suitability weakness.

The proposed Phase in cost will be evaluated for reasonableness.

Evaluation of options shall not obligate the Government to exercise such options.

(END OF PROVISION)

**M.3 WEIGHTING AND SCORING**

(a) The essential objective of the proposal process is to identify and select the contractor able to successfully meet the Government’s needs in the manner most advantageous to the Government, all factors considered. These factors are described in M.2 (Evaluation Approach).

(b) The Mission Suitability Factor will be rated by adjective and the Mission Suitability Subfactors will be rated by adjective and numerically weighted and scored in accordance with the numerical system established below. The other factors (i.e., Past Performance and Cost/Price) are not similarly weighted or scored. Past Performance is assigned a level of confidence rating. Cost/Price will be evaluated for realism and a confidence level rating will be assigned. The Source Selection Authority’s (SSA) decision shall be based on a comparative assessment of proposals pursuant to source selection criteria prescribed in this solicitation. While the SSA may use reports and analyses prepared by others, the source selection decision shall represent the SSA’s independent judgment.

(c) **Of the evaluation factors identified above, Mission Suitability is somewhat more important than Past Performance, and Past Performance is significantly more important than Cost.** The Mission Suitability and Past Performance factors, when combined, are significantly more important than Cost. Offerors should note that items within any factor, if found to be unsatisfactory, may be the basis for rejection of an offer.

(d) The numerical weights assigned to the subfactors are indicative of the relative importance of those evaluation areas. The Mission Suitability subfactors to be evaluated are weighted for purposes of assigning numerical scores as follows:

Subfactor	Assigned Weight
Technical Understanding	400
Management Approach	500
Safety and Health	100
Total	1,000

(END OF PROVISION)  
[END OF SECTION]