SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE OF SERVICES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTIONS</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIN 0001</td>
<td>Phase A – Firm Fixed Price</td>
<td>$</td>
</tr>
<tr>
<td>CLIN 0002</td>
<td>Bridge Option Phase B – Cost Reimbursable</td>
<td>$</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

B.1 1852.216-75 ESTIMATED COST AND FIXED FEE (DEC 1991)

The estimated cost of this contract is ____ exclusive of the fixed fee of ____ . The total estimated cost and fixed fee is ____ .

(End of clause)

B.2 1852.216-78 FIRM FIXED PRICE. (DEC 1988)

The total firm fixed price of this contract is $______.  

(End of clause)

B.3 1852.216-81 ESTIMATED COST (DEC 1988)

The total estimated cost for complete performance of this contract is $______. See FAR clause 52.216-11, Cost Contract - No Fee, of this contract.

(End of clause)


(a) Of the total price, the sum of $______ is presently available for payment and allotted to this contract. It is anticipated that from time to time additional funds will be allocated to the contract in accordance with the following schedule, until the total price of said items is allotted:

SCHEDULE FOR ALLOTMENT OF FUNDS

<table>
<thead>
<tr>
<th>Date</th>
<th>Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$</td>
</tr>
</tbody>
</table>

(b) The Contractor agrees to perform or have performed work on the items specified in
paragraph (a) of this clause up to the point at which, if this contract is terminated pursuant to the Termination for Convenience of the Government clause of this contract, the total amount payable by the Government (including amounts payable for subcontracts and settlement costs) pursuant to paragraphs (f) and (g) of that clause would, in the exercise of reasonable judgment by the Contractor, approximate the total amount at the time allotted to the contract. The Contractor is not obligated to continue performance of the work beyond that point. The Government is not obligated in any event to pay or reimburse the Contractor more than the amount from time to time allotted to the contract, anything to the contrary in the Termination for Convenience of the Government clause notwithstanding.

(c) (1) It is contemplated that funds presently allotted to this contract will cover the work to be performed until __________.

(2) If funds allotted are considered by the Contractor to be inadequate to cover the work to be performed until that date, or an agreed date substituted for it, the Contractor shall notify the Contracting Officer in writing when within the next 60 days the work will reach a point at which, if the contract is terminated pursuant to the Termination for Convenience of the Government clause of this contract, the total amount payable by the Government (including amounts payable for subcontracts and settlement costs) pursuant to paragraphs (f) and (g) of that clause will approximate 75 percent of the total amount then allotted to the contract.

(3) (i) The notice shall state the estimate when the point referred to in paragraph (c) (2) of this clause will be reached and the estimated amount of additional funds required to continue performance to the date specified in paragraph (c) (1) of this clause, or an agreed date substituted for it.

(ii) The Contractor shall, 60 days in advance of the date specified in paragraph (c) (1) of this clause, or an agreed date substituted for it, advise the Contracting Officer in writing as to the estimated amount of additional funds required for the timely performance of the contract for a further period as may be specified in the contract or otherwise agreed to by the parties.

(4) If, after the notification referred to in paragraph (c) (3) (ii) of this clause, additional funds are not allotted by the date specified in paragraph (c) (1) of this clause, or an agreed date substituted for it, the Contracting Officer shall, upon the Contractor's written request, terminate this contract on that date or on the date set forth in the request, whichever is later, pursuant to the Termination for Convenience of the Government clause.

(d) When additional funds are allotted from time to time for continued performance of the work under this contract, the parties shall agree on the applicable period of contract performance to be covered by these funds. The provisions of paragraphs (b) and (c) of this clause shall apply to these additional allotted funds and the substituted date
pertaining to them, and the contract shall be modified accordingly.

(e) If, solely by reason of the Government's failure to allot additional funds in amounts sufficient for the timely performance of this contract, the Contractor incurs additional costs or is delayed in the performance of the work under this contract, and if additional funds are allotted, an equitable adjustment shall be made in the price or prices (including appropriate target, billing, and ceiling prices where applicable) of the items to be delivered, or in the time of delivery, or both.

(f) The Government may at any time before termination, and, with the consent of the Contractor, after notice of termination, allot additional funds for this contract.

(g) The provisions of this clause with respect to termination shall in no way be deemed to limit the rights of the Government under the default clause of this contract. The provisions of this Limitation of Funds clause are limited to the work on and allotment of funds for the items set forth in paragraph (a) of this clause. This clause shall become inoperative upon the allotment of funds for the total price of said work except for rights and obligations then existing under this clause.

(h) Nothing in this clause shall affect the right of the Government to terminate this contract pursuant to the Termination for Convenience of the Government clause of this contract.

(End of clause)

B.5 SUPPLIES AND/OR SERVICES TO BE FURNISHED

The Contractor shall provide all resources (except as may be expressly stated in the contract as furnished by the Government) necessary to deliver and/or perform the items below in accordance with the Statement of Work incorporated in Section J as Attachment J-X.

(End of clause)

B.6 DELIVERABLES

The Contractor shall deliver the following:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Monthly Progress Reports</td>
<td>Due 10th of each month</td>
</tr>
<tr>
<td>2</td>
<td>Concept Study with a proposed set of Level 1 requirements</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Monthly Progress Reports</td>
<td>Due 10th of each month</td>
</tr>
<tr>
<td>4</td>
<td>Monthly and Quarterly financial management reports (NF533M &amp; Q)</td>
<td>NF533M due 10th of ea. Month NF533Q due quarterly</td>
</tr>
<tr>
<td>5</td>
<td>Interim NASA New Technology Summary Report</td>
<td>Due every 12 months</td>
</tr>
<tr>
<td>6</td>
<td>Final NASA New Technology Summary Report</td>
<td>within three months after completion of contracted work.</td>
</tr>
<tr>
<td>7</td>
<td>Final Scientific and Technical Report</td>
<td>30 days after completion of contract</td>
</tr>
</tbody>
</table>

[End of Section]
C.1 SPECIFICATION/STATEMENT OF WORK

The Contractor shall provide all resources (except as may be expressly stated in the contract as furnished by the Government) necessary to perform the requirements set forth in the Contractor’s proposed research effort entitled, “(Missions Name), Phase B Activities” and shall provide the item or services specified in Section B in accordance with the incorporated Section J as Attachment 1, Statement of Work (Mission Name), Phase B Activities

(End of clause)

[End of Section]
SECTION D – PACKAGING AND MARKING

D.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clauses are hereby incorporated by reference:

<table>
<thead>
<tr>
<th>Clause Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852.211-70</td>
<td>PACKAGING, HANDLING, AND TRANSPORTATION (SEP 2005)</td>
</tr>
<tr>
<td>1852.245-74</td>
<td>IDENTIFICATION AND MARKING OF GOVERNMENT EQUIPMENT (JAN 2011)</td>
</tr>
</tbody>
</table>

(End of By Reference Section)

[End of Section]
SECTION E - INSPECTION AND ACCEPTANCE

E.1 INSPECTION OF RESEARCH AND DEVELOPMENT -- COST-REIMBURSEMENT (MAY 2001)

(a) Definitions. As used in this clause--

“Contractor’s managerial personnel” means the Contractor’s directors, officers, managers, superintendents, or equivalent representatives who have supervision or direction of --

(1) All or substantially all of the Contractor’s business;

(2) All or substantially all of the Contractor’s operation at any one plant or separate location where the contract is being performed; or

(3) A separate and complete major industrial operation connected with performing this contract.

“Work” includes data when the contract does not include the Warranty of Data clause.

(b) The Contractor shall provide and maintain an inspection system acceptable to the Government covering the work under this contract. Complete records of all inspection work performed by the Contractor shall be maintained and made available to the Government during contract performance and for as long afterwards as the contract requires.

(c) The Government has the right to inspect and test all work called for by the contract, to the extent practicable at all places and times, including the period of performance, and in any event before acceptance. The Government may also inspect the plant or plants of the Contractor or its subcontractors engaged in the contract performance. The Government shall perform inspections and tests in a manner that will not unduly delay the work.

(d) If the Government performs any inspection or test on the premises of the Contractor or a subcontractor, the Contractor shall furnish and shall require subcontractors to furnish all reasonable facilities and assistance for the safe and convenient performance of these duties.

(e) Unless otherwise provided in the contract, the Government shall accept work as promptly as practicable after delivery, and work shall be deemed accepted 90 days after delivery, unless accepted earlier.

(f) At any time during contract performance, but no later than 6 months (or such other time as may be specified in the contract) after acceptance of all of the end items (other than designs, drawings, or reports) to be delivered under the contract, the Government may require the Contractor to replace or correct work not meeting contract requirements. Time devoted to the replacement or correction of such work shall not be included in the computation of the above time period. Except as otherwise provided in paragraph (h) below, the cost of replacement or correction shall be determined as specified in the Allowable Cost and Payment clause, but no additional fee shall be paid. The Contractor shall not tender for acceptance work required to be replaced or corrected without disclosing the former requirement for replacement or correction, and, when required, shall disclose the corrective action taken.
(g)(1) If the Contractor fails to proceed with reasonable promptness to perform required replacement or correction, the Government may --

(i) By contract or otherwise, perform the replacement or correction, charge to the Contractor any increased cost, or make an equitable reduction in any fixed fee paid or payable under the contract;

(ii) Require delivery of any undelivered articles and shall have the right to make an equitable reduction in any fixed fee paid or payable under the contract; or

(iii) Terminate the contract for default.

(2) Failure to agree on the amount of increased cost to be charged the Contractor or to the reduction in fixed fee shall be a dispute.

(h) Notwithstanding paragraphs (f) and (g) above, the Government may at any time require the Contractor to remedy by correction or replacement, without cost to the Government, any failure by the Contractor to comply with the requirements of this contract, if the failure is due to --

(1) Fraud, lack of good faith, or willful misconduct on the part of the Contractor’s managerial personnel; or

(2) The conduct of one or more of the Contractor’s employees selected or retained by the Contractor after any of the Contractor’s managerial personnel has reasonable grounds to believe that the employee is habitually careless or unqualified.

(i) This clause shall apply in the same manner to a corrected or replacement end item or components as to work originally delivered.

(j) The Contractor has no obligation or liability under the contract to correct or replace articles not meeting contract requirements at time of delivery, except as provided in this clause or as may otherwise be specified in the contract.

(k) Unless otherwise provided in the contract, the Contractor’s obligations to correct or replace Government-furnished property shall be governed by the clause pertaining to Government property.

(End of Clause)

E.2  INSPECTION OF RESEARCH AND DEVELOPMENT (SHORT FORM) (APR 1984)

The Government has the right to inspect and evaluate the work performed or being performed under the contract, and the premises where the work is being performed, at all reasonable times and in a manner that will not unduly delay the work. If the Government performs inspection or evaluation on the premises of the Contractor or a subcontractor, the Contractor shall furnish and shall require subcontractors to furnish all reasonable facilities and assistance for the safe and convenient performance of these duties.

(End of Clause)

[End of Section]
SECTION F - DELIVERIES OR PERFORMANCE

F.1 52.242-15 STOP-WORK ORDER (AUG 1989) – ALTERNATE I (APR 1984)

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either -

(1) Cancel the stop-work order; or
(2) Terminate the work covered by the order as provided in the Termination clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule, the estimated cost, the fee, or a combination thereof, and in any other terms of the contract that may be affected, and the contract shall be modified, in writing, accordingly, if -

(1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
(2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

(End of clause)

F.2 PERIOD OF PERFORMANCE

The period of performance of this contract is from date of award to __________ for PHASE A of the contract.
The BRIDGE OPTION PHASE B period of performance is ________ to ________. The Option is contingent upon the Government’s decision to exercise the option.

(End of clause)

F.3 MSFC 52.237-91 PLACE OF PERFORMANCE (FEB 2001)

The Contractor shall perform the work under this contract at ________________, and at such other locations as may be approved in writing by the Contracting Officer.

(End of clause)

[End of Section]
SECTION G - CONTRACT ADMINISTRATION DATA

G.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clauses are hereby incorporated by reference:

<table>
<thead>
<tr>
<th>Clause Number</th>
<th>Clause Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852.216-75</td>
<td>PAYMENT OF FIXED FEE (DEC 1988)</td>
</tr>
<tr>
<td>1852.227-70</td>
<td>NEW TECHNOLOGY – OTHER THAN A SMALL BUSINESS FIRM OR NONPROFIT ORGANIZATION (APR 2015)</td>
</tr>
<tr>
<td>1852.242-71</td>
<td>TRAVEL OUTSIDE OF THE UNITED STATES (DEC 1988)</td>
</tr>
<tr>
<td>1852.242-73</td>
<td>NASA CONTRACTOR FINANCIAL MANAGEMENT REPORTING (NOV 2004)</td>
</tr>
<tr>
<td>1852.245-70</td>
<td>CONTRACTOR REQUESTS FOR GOVERNMENT-FURNISHED PROPERTY (AUG 2015) – ALTERNATE I (AUG 2015)</td>
</tr>
<tr>
<td>1852.245-73</td>
<td>FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (JAN 2011)</td>
</tr>
<tr>
<td>1852.245-75</td>
<td>PROPERTY MANAGEMENT CHANGES (JAN 2011)</td>
</tr>
<tr>
<td>1852.245-76</td>
<td>LIST OF GOVERNMENT PROPERTY FURNISHED PURSUANT TO FAR 52.245-1 (JAN 2011)</td>
</tr>
<tr>
<td>1852.245-78</td>
<td>PHYSICAL INVENTORY OF CAPITAL PERSONAL PROPERTY (AUG 2015)</td>
</tr>
</tbody>
</table>

(End of By Reference Section)

G.2 SUBMISSION OF VOUCHERS FOR PAYMENT (SEP 2016)

(a) The designated payment office is the NASA Shared Services Center (NSSC) located at FMD Accounts Payable, Bldg. 1111, Jerry Hlass Road, Stennis Space Center, MS 39529.

(b) Except for classified vouchers, the Contractor shall submit all vouchers electronically using the steps described at NSSC’s Vendor Payment information web site at: https://www.nssc.nasa.gov/vendorpayment. Please contact the NSSC Customer Contact Center at 1-877-NSSC123 (1-877-677-2123) with any additional questions or comments.

(c) Payment requests.

(1) The payment periods designated in the payment clause(s) contained in this contract will begin on the date a proper request for payment is received by the NSSC payment office specified in paragraph (b) of this section. Vouchers shall be prepared in accordance with the guidance provided by the NSSC at the following website: https://answers.nssc.nasa.gov/app/answers/detail/a_id/6643.

(2) Vouchers shall include the items delineated in FAR 32.905(b) supported by relevant back-up documentation. Back-up documentation shall include at a minimum, the following information:

(i) Breakdown of billed labor costs and associated contractor generated supporting documentation for billed direct labor costs to include rates used and number of hours incurred.

(ii) Breakdown of billed other direct costs (ODCs) and associated contractor
(iii) Indirect rate(s) used to calculate the amount of billed indirect expenses.

(d) Non-electronic payment. The Contractor may submit a voucher using other than the steps described at NSSC’s Vendor Payment information through any of the means described at https://www.nssc.nasa.gov/vendorpayment, if any of the following conditions are met:

1. The Contracting Officer administering the contract for payment has determined, in writing, that electronic submission would be unduly burdensome to the Contractor. In such cases, the Contractor shall include a copy of the Contracting Officer’s determination with each request for payment when the Government wide commercial purchase card is used as the method of payment.

2. The contract includes provisions allowing the contractor to submit vouchers using other than the steps prescribed at NSSC’s Vendor Payment information website. In such instances the Contractor agrees to submit non-electronic payment requests using the method or methods specified in Section G of the contract.

(e) Improper vouchers. The NSSC Payment Office will notify the contractor of any apparent error, defect, or impropriety in a voucher within seven calendar days of receipt by the NSSC Payment Office. Inquiries regarding requests for payment should be directed to the NSSC as specified in paragraph (b) of this section.

(f) Other payment clauses. In addition to the requirements of this clause, the Contractor shall meet the requirements of the appropriate payment clauses in this contract when submitting payment requests.

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

(End of clause)

G.3 1852.227-72 DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND PATENT REPRESENTATIVE (APR 2015)

(a) For purposes of administration of the clause of this contract entitled "New Technology-Other than a Small Business Firm or Nonprofit Organization" or "Patent Rights-Ownership by the Contractor," whichever is included, the installation New Technology and Patent Representatives identified at http://prod.nais.nasa.gov/portals/pl/new_tech_pocs.html are hereby designated by the Contracting Officer to administer such clause for the appropriate installation.

(b) Disclosures of reportable items and of subject inventions, interim new technology summary reports, final new technology summary reports, utilization reports, and other reports required by the applicable "New Technology" or "Patent Rights-Ownership by the Contractor" clause, as well as any correspondence with respect to such matters, shall be directed to the New Technology Representative unless transmitted in response to correspondence or request from the Patent Representative. Inquiries or requests regarding disposition of rights, election of rights, or related matters shall be directed to the
Patent Representative. This clause shall be included in any subcontract hereunder requiring a "New Technology-Other than a Small Business Firm or Nonprofit Organization" clause or "Patent Rights-Ow

(End of clause)

[End of Section]
SECTION H – SPECIAL CONTRACT REQUIREMENTS

H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

NOTICE: The following clauses are hereby incorporated by reference:

<table>
<thead>
<tr>
<th>Clause Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852.208-81</td>
<td>RESTRICTIONS ON PRINTING AND DUPLICATING (NOV 2004)</td>
</tr>
<tr>
<td>1852.223-72</td>
<td>SAFETY AND HEALTH (SHORT FORM) (JUL 2015)</td>
</tr>
<tr>
<td>1852.223-75</td>
<td>MAJOR BREACH OF SAFETY OR SECURITY (FEB 2002) – ALTERNATE I (FEB 2006)</td>
</tr>
<tr>
<td>1852.235-73</td>
<td>FINAL SCIENTIFIC AND TECHNICAL REPORTS (DEC 2006)</td>
</tr>
<tr>
<td>1852.244-70</td>
<td>GEOGRAPHIC PARTICIPATION IN THE AEROSPACE PROGRAM (APR 1985)</td>
</tr>
</tbody>
</table>

(End of By Reference Section)

H.2 1852.225-70 EXPORT LICENSES (FEB 2000)

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

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

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

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

(End of clause)

H.3 1852.235-71 KEY PERSONNEL AND FACILITIES (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.

(TBD)

(End of clause)


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) 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 TBD days after the completion of the effort under the contract.

(End of clause)

H.5    ADVANCED AGREEMENT TO CONSIDER PHASE C/D & PHASE E

(a) At the time of award, the contract requires Phase A/B, support only.

(b) Upon request of the Government, Phase C/D and Phase E proposals with cost and pricing data shall be submitted.

(c) The Contractor shall not commence any effort or incur any costs associated with Phase C/D or Phase E of this contract without written authorization to proceed from the Contracting Officer. The Contractor may request approval to initiate and incur costs for the fabrication or purchase of long lead parts, but such authority shall be specifically approved in writing, by the Contracting Officer.
(d) The Contractor shall institute and maintain an accounting system, which clearly segregates Phase A/B costs, Phase C/D costs and Phase E costs.

(e) In the event that this contract is terminated for any reason prior to the approval of the Phase C/D effort, the Contractor shall not be reimbursed for any costs incurred for any Phase C/D or Phase E effort except for costs reasonably and properly allocable to, and directly associated with approved Phase C/D or Phase E efforts.

(End of Clause)

[End of Section]
# SECTION I – CONTRACT CLAUSES

## I.1 SECTION I CLAUSES INCORPORATED BY REFERENCE

**FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES**

<table>
<thead>
<tr>
<th>Clause No.</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>52.202-1</td>
<td>DEFINITIONS (NOV 2013)</td>
</tr>
<tr>
<td>52.203-3</td>
<td>GRATUITIES (APR 1984)</td>
</tr>
<tr>
<td>52.203-5</td>
<td>COVENANT AGAINST CONTINGENT FEES (MAY 2014)</td>
</tr>
<tr>
<td>52.203-6</td>
<td>RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (SEP 2006)</td>
</tr>
<tr>
<td>52.203-7</td>
<td>ANTI-KICKBACK PROCEDURES (MAY 2014)</td>
</tr>
<tr>
<td>52.203-8</td>
<td>CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)</td>
</tr>
<tr>
<td>52.203-10</td>
<td>PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)</td>
</tr>
<tr>
<td>52.203-12</td>
<td>LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (OCT 2010)</td>
</tr>
<tr>
<td>52.203-13</td>
<td>CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT (OCT 2015)</td>
</tr>
<tr>
<td>52.203-17</td>
<td>CONTRACTOR EMPLOYEE WHISTLEBLOWER RIGHTS AND REQUIREMENTS TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS (APR 2014)</td>
</tr>
<tr>
<td>52.204-4</td>
<td>PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER (MAY 2011)</td>
</tr>
<tr>
<td>52.204-10</td>
<td>REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (OCT 2015)</td>
</tr>
<tr>
<td>52.204-13</td>
<td>SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JUL 2013)</td>
</tr>
<tr>
<td>52.209-6</td>
<td>PROTECTING THE GOVERNMENT’S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED OR PROPOSED FOR DEBARMENT (OCT 2015)</td>
</tr>
<tr>
<td>52.215-8</td>
<td>ORDER OF PRECEDENCE – UNIFORM CONTRACT FORMAT (OCT 1997)</td>
</tr>
<tr>
<td>52.215-10</td>
<td>PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA (AUG 2011)</td>
</tr>
<tr>
<td>52.215-11</td>
<td>PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA -- MODIFICATIONS (AUG 2011)</td>
</tr>
<tr>
<td>52.215-12</td>
<td>SUBCONTRACTOR CERTIFIED COST OR PRICING DATA (OCT 2010)</td>
</tr>
<tr>
<td>52.215-13</td>
<td>SUBCONTRACTOR CERTIFIED COST OR PRICING DATA -- MODIFICATIONS (OCT 2010)</td>
</tr>
<tr>
<td>52.215-15</td>
<td>PENSION ADJUSTMENTS AND ASSET REVISIONS (OCT 2010)</td>
</tr>
<tr>
<td>Section</td>
<td>Title</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>52.215-16</td>
<td>FACILITIES CAPITAL COST OF MONEY (JUNE 2003)</td>
</tr>
<tr>
<td>52.215-18</td>
<td>REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIRED BENEFITS (PRB) OTHER THAN PENSIONS (JUL 2005)</td>
</tr>
<tr>
<td>52.215-21</td>
<td>REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA – MODIFICATIONS (OCT 2010)</td>
</tr>
<tr>
<td>52.216-7</td>
<td>ALLOWABLE COST AND PAYMENT (JUN 2013) – ALTERNATE IV (AUG 2012)</td>
</tr>
<tr>
<td>52.216-8</td>
<td>FIXED FEE (JUNE 2011)</td>
</tr>
<tr>
<td>52.216-15</td>
<td>PREDETERMINED INDIRECT COST RATES (APR 1998)</td>
</tr>
<tr>
<td>52.216-26</td>
<td>PAYMENTS OF ALLOWABLE COSTS BEFORE DEFINITIZATION (DEC. 2002)</td>
</tr>
<tr>
<td>52.219-8</td>
<td>UTILIZATION OF SMALL BUSINESS CONCERNS (OCT 2014)</td>
</tr>
<tr>
<td>52.219-9</td>
<td>SMALL BUSINESS SUBCONTRACTING PLAN (OCT 2015)</td>
</tr>
<tr>
<td>52.219-16</td>
<td>LIQUIDATED DAMAGES – SUBCONTRACTING PLAN (JAN 1999)</td>
</tr>
<tr>
<td>52.222-2</td>
<td>PAYMENT OF OVERTIME PREMIUMS (JUL 1990) *Insert $0 in paragraph (a)</td>
</tr>
<tr>
<td>52.222-3</td>
<td>CONVICT LABOR (JUN 2003)</td>
</tr>
<tr>
<td>52.222-21</td>
<td>PROHIBITION OF SEGREGATED FACILITIES (APR 2015)</td>
</tr>
<tr>
<td>52.222-26</td>
<td>EQUAL OPPORTUNITY (APR 2015)</td>
</tr>
<tr>
<td>52.222-29</td>
<td>NOTIFICATION OF VISA DENIAL (APR 2015)</td>
</tr>
<tr>
<td>52.222-35</td>
<td>EQUAL OPPORTUNITY FOR VETERANS (OCT 2015)</td>
</tr>
<tr>
<td>52.222-36</td>
<td>EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES (JUL 2014)</td>
</tr>
<tr>
<td>52.222-37</td>
<td>EMPLOYMENT REPORTS ON VETERANS (FEB 2016)</td>
</tr>
<tr>
<td>52.222-40</td>
<td>NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR REGULATIONS ACT (DEC 2010)</td>
</tr>
<tr>
<td>52.222-50</td>
<td>COMBATING TRAFFICKING IN PERSONS (MAR 2015)</td>
</tr>
<tr>
<td>52.222-54</td>
<td>EMPLOYMENT ELIGIBILITY VERIFICATION (OCT 2015)</td>
</tr>
<tr>
<td>52.223-3</td>
<td>HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (JAN 1997) - ALTERNATE I (JUL 1995)</td>
</tr>
<tr>
<td>52.223-6</td>
<td>DRUG-FREE WORKPLANCE (MAY 2001)</td>
</tr>
<tr>
<td>52.223-14</td>
<td>ACQUISITION OF EPEAT® -REGISTERED TELEVISIONS (JUN 2014)</td>
</tr>
<tr>
<td>52.223-15</td>
<td>ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS (DEC 2007)</td>
</tr>
<tr>
<td>52.223-18</td>
<td>ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (AUG 2011)</td>
</tr>
<tr>
<td>52.225-1</td>
<td>BUY AMERICAN ACT – SUPPLIES (MAY 2014)</td>
</tr>
<tr>
<td>52.225-13</td>
<td>RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUN 2008)</td>
</tr>
<tr>
<td>52.227-1</td>
<td>AUTHORIZATION AND CONSENT (DEC 2007) – ALTERNATE I (APR 1984)</td>
</tr>
<tr>
<td>52.227-2</td>
<td>NOTICE AND ASSISTANCE REGARDING PATENT AND COPY RIGHT INFRINGEMENT (DEC 2007)</td>
</tr>
<tr>
<td>52.227-14</td>
<td>RIGHTS IN DATA – GENERAL (MAY 2014)</td>
</tr>
<tr>
<td>52.227-16</td>
<td>ADDITIONAL DATA REQUIREMENTS (JUN 1987)</td>
</tr>
<tr>
<td>52.228-7</td>
<td>INSURANCE LIABILITY TO THIRD PERSONS (MAR 1996)</td>
</tr>
<tr>
<td>Clause No.</td>
<td>Title</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>52.230-2</td>
<td>COST ACCOUNTING STANDARDS (OCT 2015)</td>
</tr>
<tr>
<td>52.230-6</td>
<td>ADMINISTRATION OF COST ACCOUNTING STANDARDS (JUN 2010)</td>
</tr>
<tr>
<td>52.232-22</td>
<td>LIMITATION OF FUNDS (APR 1984)</td>
</tr>
<tr>
<td>52.232-23</td>
<td>ASSIGNMENT OF CLAIMS (MAY 2014)</td>
</tr>
<tr>
<td>52.232-25</td>
<td>PROMPT PAYMENT ACT (JUL 2013)</td>
</tr>
<tr>
<td>52.232-33</td>
<td>PAYMENT BY ELECTRONIC FUNDS TRANSFER – SYSTEM FOR AWARD MANAGEMENT (JUL 2013)</td>
</tr>
<tr>
<td>52.232-39</td>
<td>UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS (JUN 2013)</td>
</tr>
<tr>
<td>52.232-40</td>
<td>PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (DEC 2013)</td>
</tr>
<tr>
<td>52.233-1</td>
<td>DISPUTES (MAY 2014) – ALTERNATE I (DEC 1991)</td>
</tr>
<tr>
<td>52.233-3</td>
<td>PROTEST AFTER AWARD (AUG 1996) – ALTERNATE I (JUN 1985)</td>
</tr>
<tr>
<td>52.233-4</td>
<td>APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)</td>
</tr>
<tr>
<td>52.242-1</td>
<td>NOTICE OF INTENT TO DISALLOW COSTS (APR 1984)</td>
</tr>
<tr>
<td>52.242-3</td>
<td>PENALTIES FOR UNALLOWABLE COSTS (MAY 2014)</td>
</tr>
<tr>
<td>52.242-4</td>
<td>CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)</td>
</tr>
<tr>
<td>52.242-13</td>
<td>BANKRUPTCY (JUL 1995)</td>
</tr>
<tr>
<td>52.243-6</td>
<td>CHANGE ORDER ACCOUNTING (APR 1984)</td>
</tr>
<tr>
<td>52.243-7</td>
<td>NOTIFICATION OF CHANGES (APR 1984)</td>
</tr>
<tr>
<td>52.244-2</td>
<td>SUBCONTRACTS (OCT 2010) *Insert “TBD” in paragraphs (d) and (j)</td>
</tr>
<tr>
<td>52.244-5</td>
<td>COMPETITION IN SUBCONTRACTING (DEC 1996)</td>
</tr>
<tr>
<td>52.244-6</td>
<td>SUBCONTRACTS FOR COMMERCIAL ITEMS (FEB 2016)</td>
</tr>
<tr>
<td>52.245-1</td>
<td>GOVERNMENT PROPERTY (APR 2012) – ALTERNATE II (APR 2012)</td>
</tr>
<tr>
<td>52.245-9</td>
<td>USE AND CHARGES (APR 2012)</td>
</tr>
<tr>
<td>52.246-23</td>
<td>LIMITATION OF LIABILITY (FEB 1997)</td>
</tr>
<tr>
<td>52.247-1</td>
<td>COMMERCIAL BILL OF LADING NOTATIONS (FEB 2006)</td>
</tr>
<tr>
<td>52.247-63</td>
<td>PREFERENCE FOR U.S. FLAG AIR CARRIERS (JUN 2003)</td>
</tr>
<tr>
<td>52.249-5</td>
<td>TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (EDUCATIONAL AND OTHER NONPROFIT INSTITUTIONS (SEP 1996)</td>
</tr>
<tr>
<td>52.249-6</td>
<td>TERMINATION (COST-REIMBURSEMENT) (MAY 2004)</td>
</tr>
<tr>
<td>52.249-14</td>
<td>EXCUSABLE DELAYS (APR 1984)</td>
</tr>
<tr>
<td>52.253-1</td>
<td>COMPUTER GENERATED FORMS (JAN 1991)</td>
</tr>
</tbody>
</table>

NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

<table>
<thead>
<tr>
<th>Clause No.</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852.203-70</td>
<td>DISPLAY OF INSPECTOR GENERAL HOTLINE POSTERS (JUN 2001)</td>
</tr>
<tr>
<td>1852.216-89</td>
<td>ASSIGNMENT AND RELEASE FORMS (JUL 1997)</td>
</tr>
<tr>
<td>1852.219-74</td>
<td>USE OF RURAL AREA SMALL BUSINESSES (SEP 1990)</td>
</tr>
<tr>
<td>1852.219-75</td>
<td>INDIVIDUAL SUBCONTRACTING REPORTS (APR 2015)</td>
</tr>
<tr>
<td>1852.219-77</td>
<td>NASA MENTOR PROTÉGÉ PROGRAM (APR 2015)</td>
</tr>
<tr>
<td>1852.228-75</td>
<td>INDIVIDUAL INSURANCE COVERAGE (OCT 1988)</td>
</tr>
<tr>
<td>1852.235-70</td>
<td>CENTER FOR AEROSPACE INFORMATION (DEC 2006)</td>
</tr>
</tbody>
</table>
I.2 52.215-19 NOTIFICATION OF OWNERSHIP CHANGES (OCT 1997)

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall -

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of clause)

I.3 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 30 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed twenty-one (21) months.
I.4  52.247-67 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT  
(FEB 2006)

(a) The Contractor shall submit to the address identified below, for prepayment audit, 
transportation documents on which the United States will assume freight charges that were paid-

(1) By the Contractor under a cost-reimbursement contract; and

(2) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.

(b) Cost-reimbursement Contractors shall only submit for audit those bills of lading with freight 
shipment charges exceeding $100. Bills under $100 shall be retained on-site by the Contractor 
and made available for on-site audits. This exception only applies to freight shipment bills and is 
not intended to apply to bills and invoices for any other transportation services.

(c) Contractors shall submit the above referenced transportation documents to-

(TBD)

I.5  52.252-2 CLAUSES INCORPORATED BY REFERENCE (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

I.6  52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (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 18) clause with an authorized deviation is indicated by the addition of ",(DEVIATION)," after the name of the regulation.

(End of clause)

I.7 1852.204-76 SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION TECHNOLOGY RESOURCES (JAN 2011)

(a) The contractor shall protect the confidentiality, integrity, and availability of NASA Electronic Information and IT resources and protect NASA Electronic Information from unauthorized disclosure.

(b) This clause is applicable to all NASA contractors and sub-contractors that process, manage, access, or store unclassified electronic information, to include Sensitive But Unclassified (SBU) information, for NASA in support of NASA’s missions, programs, projects and/or institutional requirements. Applicable requirements, regulations, policies, and guidelines are identified in the Applicable Documents List (ADL) provided as an attachment to the contract. The documents listed in the ADL can be found at: http://www.nasa.gov/offices/ocio/itsecurity/index.html. For policy information considered sensitive, the documents will be identified as such in the ADL and made available through the Contracting Officer.

(c) Definitions.

(1) IT resources means any hardware or software or interconnected system or subsystem of equipment, that is used to process, manage, access, or store electronic information.

(2) NASA Electronic Information is any data (as defined in the Rights in Data clause of this contract) or information (including information incidental to contract administration, such as financial, administrative, cost or pricing, or management information) that is processed, managed, accessed or stored on an IT system(s) in the performance of a NASA contract.

(3) IT Security Management Plan--This plan shall describe the processes and procedures that will be followed to ensure appropriate security of IT resources that are developed, processed, or used under this contract. Unlike the IT security plan, which addresses the IT system, the IT Security Management Plan addresses how the contractor will manage personnel and processes associated with IT Security on the instant contract.

(4) IT Security Plan--this is a FISMA requirement; see the ADL for applicable requirements. The IT Security Plan is specific to the IT System and not the contract. Within 30 days after award, the contractor shall develop and deliver an IT Security Management Plan to the Contracting Officer; the approval authority will be included in the ADL. All contractor personnel requiring physical or logical access to NASA IT resources must complete NASA’s annual IT Security Awareness training. Refer to the IT Training policy located in the IT Security Web site at https://itsecurity.nasa.gov/policies/index.html.

(d) The contractor shall afford Government 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 a program of IT
inspection (to include vulnerability testing), investigation and audit to safeguard against threats and hazards to the integrity, availability, and confidentiality of NASA Electronic Information or to the function of IT systems operated on behalf of NASA, and to preserve evidence of computer crime.

(e) 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 in accordance with retention documentation available in the ADL. The contractor shall provide a listing of all NASA Electronic information and IT resources generated in performance of the contract. At that time, the contractor shall request disposition instructions from the Contracting Officer. The Contracting Officer will provide disposition instructions within 30 calendar days of the contractor's request. Parts of the clause and referenced ADL may be waived by the contracting officer, if the contractor's ongoing IT security program meets or exceeds the requirements of NASA Procedural Requirements (NPR) 2810.1 in effect at time of award. The current version of NPR 2810.1 is referenced in the ADL. The contractor shall submit a written waiver request to the Contracting Officer within 30 days of award. The waiver request will be reviewed by the Center IT Security Manager. If approved, the Contractor Officer will notify the contractor, by contract modification, which parts of the clause or provisions of the ADL are waived.

(f) The contractor shall insert this clause, including this paragraph in all subcontracts that process, manage, access or store NASA Electronic Information in support of the mission of the Agency.

(End of clause)

I.8 1852.215-84 OMBUDSMAN (NOV 2011)

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

(b) If resolution cannot be made by the contracting officer, interested parties may contact the installation ombudsman, whose name, address, telephone number, facsimile number, and e-mail address may be found at: http://prod.nais.nasa.gov/pub/pub_library/Omb.html. Concerns, issues, disagreements, and recommendations which cannot be resolved at the installation may be referred to the Agency ombudsman identified at the above URL. 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)
(a) Definitions.

"Historically Black Colleges or University," as used in this clause, means an institution determined by the Secretary of Education to meet the requirements of 34 CFR Section 608.2. The term also includes any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

"Minority institutions," as used in this clause, means an institution of higher education meeting the requirements of section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1135d-5(3)) which for the purposes of this clause includes a Hispanic-serving institution of higher education as defined in section 316(b)(1) of the Act (20 U.S.C. 1059c(b)"

"Small disadvantaged business concern," as used in this clause, means a small business concern that (1) is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more socially and economically disadvantaged individuals, and (2) has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian Organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more of these entities, which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian Organization, and which meets the requirements of 13 CFR 124.

“Women-owned small business concern," as used in this clause, means a small business concern (1) which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women, and (2) whose management and daily business operations are controlled by one or more women.

(b) The NASA Administrator is required by statute to establish annually a goal to make available to small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns, at least 8 percent of NASA’s procurement dollars under prime contracts or subcontracts awarded in support of authorized programs, including the space station by the time operational status is obtained.

(c) The contractor hereby agrees to assist NASA in achieving this goal by using its best efforts to award subcontracts to such entities to the fullest extent consistent with efficient contract performance.

(d) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as small disadvantaged business concerns, Historically Black Colleges and Universities, minority institutions, and women-owned small business concerns.

(End of clause)
I.10 1852.225-71 RESTRICTIONS ON FUNDING ACTIVITY WITH CHINA (FEB 2012)

(a) Definition - “China” or “Chinese-owned company” means the People’s Republic of China, any company owned by the People’s Republic of China or any company incorporated under the laws of the People’s Republic of China.

(b) Public Laws 112-10, Section 1340(a) and 112-55, Section 539, restrict NASA from contracting to participate, collaborate, coordinate bilaterally in any way with China or a Chinese-owned company using funds appropriated on or after April 25, 2011. Contracts for commercial and non-developmental items are exempted from the prohibition because they constitute purchase of goods or services that would not involve participation, collaboration, or coordination between the parties.

(c) This contract may use restricted funding that was appropriated on or after April 25, 2011. The contractor shall not contract with China or Chinese-owned companies for any effort related to this contract except for acquisition of commercial and non-developmental items. If the contractor anticipates making an award to China or Chinese-owned companies, the contractor must contact the contracting officer to determine if funding on this contract can be used for that purpose.

(d) Subcontracts - The contractor shall include the substance of this clause in all subcontracts made hereunder.

(End of clause)

I.11 1852.237-72 ACCESS TO SENSITIVE INFORMATION (JUN 2005)

(a) As used in this clause, “sensitive information” refers to information that a contractor has developed at private expense, or that the Government has generated that qualifies for an exception to the Freedom of Information Act, which is not currently in the public domain, and which may embody trade secrets or commercial or financial information, and which may be sensitive or privileged.

(b) To assist NASA in accomplishing management activities and administrative functions, the Contractor shall provide the services specified elsewhere in this contract.

(c) If performing this contract entails access to sensitive information, as defined above, the Contractor agrees to –

(1) Utilize any sensitive information coming into its possession only for the purposes of performing the services specified in this contract, and not to improve its own competitive position in another procurement.

(2) Safeguard sensitive information coming into its possession from unauthorized use and disclosure.

(3) Allow access to sensitive information only to those employees that need it to perform services under this contract.
(4) Preclude access and disclosure of sensitive information to persons and entities outside of the Contractor’s organization.

(5) Train employees who may require access to sensitive information about their obligations to utilize it only to perform the services specified in this contract and to safeguard it from unauthorized use and disclosure.

(6) Obtain a written affirmation from each employee that he/she has received and will comply with training on the authorized uses and mandatory protections of sensitive information needed in performing this contract.

(7) Administer a monitoring process to ensure that employees comply with all reasonable security procedures, report any breaches to the Contracting Officer, and implement any necessary corrective actions.

(d) The Contractor will comply with all procedures and obligations specified in its Organizational Conflicts of Interest Avoidance Plan, which this contract incorporates as a compliance document.

(e) The nature of the work on this contract may subject the Contractor and its employees to a variety of laws and regulations relating to ethics, conflicts of interest, corruption, and other criminal or civil matters relating to the award and administration of government contracts. Recognizing that this contract establishes a high standard of accountability and trust, the Government will carefully review the Contractor’s performance in relation to the mandates and restrictions found in these laws and regulations. Unauthorized uses or disclosures of sensitive information may result in termination of this contract for default, or in debarment of the Contractor for serious misconduct affecting present responsibility as a government contractor.

(f) The Contractor shall include the substance of this clause, including this paragraph (f), suitably modified to reflect the relationship of the parties, in all subcontracts that may involve access to sensitive information.

(End of clause)

I.12 1852.237-73 RELEASE OF SENSITIVE INFORMATION (JUN 2005)

(a) As used in this clause, “Sensitive information” refers to information, not currently in the public domain, that the Contractor has developed at private expense, that may embody trade secrets or commercial or financial information, and that may be sensitive or privileged.

(b) In accomplishing management activities and administrative functions, NASA relies heavily on the support of various service providers. To support NASA activities and functions, these service providers, as well as their subcontractors and their individual employees, may need access to sensitive information submitted by the Contractor under this contract. By submitting this proposal or performing this contract, the Contractor agrees that NASA may release to its service providers, their subcontractors, and their individual employees, sensitive information submitted during the course of this procurement, subject to the enumerated protections mandated by the clause at 1852.237-72, Access to Sensitive Information.
(c) (1) The Contractor shall identify any sensitive information submitted in support of this proposal or in performing this contract. For purposes of identifying sensitive information, the Contractor may, in addition to any other notice or legend otherwise required, use a notice similar to the following:

Mark the title page with the following legend:

This proposal or document includes sensitive information that NASA shall not disclose outside the Agency and its service providers that support management activities and administrative functions. To gain access to this sensitive information, a service provider's contract must contain the clause at NFS1852.237-72, Access to Sensitive Information. Consistent with this clause, the service provider shall not duplicate, use, or disclose the information in whole or in part for any purpose other than to perform the services specified in its contract. This restriction does not limit the Government's right to use this information if it is obtained from another source without restriction. The information subject to this restriction is contained in pages [insert page numbers or other identification of pages]. Mark each page of sensitive information the Contractor wishes to restrict with the following legend:

Use or disclosure of sensitive information contained on this page is subject to the restriction on the title page of this proposal or document.

(2) The Contracting Officer shall evaluate the facts supporting any claim that particular information is "sensitive." This evaluation shall consider the time and resources necessary to protect the information in accordance with the detailed safeguards mandated by the clause at 1852.237-72, Access to Sensitive Information. However, unless the Contracting Officer decides, with the advice of Center counsel, that reasonable grounds exist to challenge the Contractor's claim that particular information is sensitive, NASA and its service providers and their employees shall comply with all of the safeguards contained in paragraph (d) of this clause.

(d) To receive access to sensitive information needed to assist NASA in accomplishing management activities and administrative functions, the service provider must be operating under a contract that contains the clause at 1852.237-72, Access to Sensitive Information. This clause obligates the service provider to do the following:

(1) Comply with all specified procedures and obligations, including the Organizational Conflicts of Interest Avoidance Plan, which the contract has incorporated as a compliance document.

(2) Utilize any sensitive information coming into its possession only for the purpose of performing the services specified in its contract.

(3) Safeguard sensitive information coming into its possession from unauthorized use and disclosure.

(4) Allow access to sensitive information only to those employees that need it to perform services under its contract.

(5) Preclude access and disclosure of sensitive information to persons and entities outside of the service provider's organization.
(6) Train employees who may require access to sensitive information about their obligations to utilize it only to perform the services specified in its contract and to safeguard it from unauthorized use and disclosure.

(7) Obtain a written affirmation from each employee that he/she has received and will comply with training on the authorized uses and mandatory protections of sensitive information needed in performing this contract.

(8) Administer a monitoring process to ensure that employees comply with all reasonable security procedures, report any breaches to the Contracting Officer, and implement any necessary corrective actions.

(e) When the service provider will have primary responsibility for operating an information technology system for NASA that contains sensitive information, the service provider's contract shall include the clause at 1852.204-76, Security Requirements for Unclassified Information Technology Resources. The Security Requirements clause requires the service provider to implement an Information Technology Security Plan to protect information processed, stored, or transmitted from unauthorized access, alteration, disclosure, or use. Service provider personnel requiring privileged access or limited privileged access to these information technology systems are subject to screening using the standard National Agency Check (NAC) forms appropriate to the level of risk for adverse impact to NASA missions. The Contracting Officer may allow the service provider to conduct its own screening, provided the service provider employs substantially equivalent screening procedures.

(f) This clause does not affect NASA's responsibilities under the Freedom of Information Act.

(g) The Contractor shall insert this clause, including this paragraph (g), suitably modified to reflect the relationship of the parties, in all subcontracts that may require the furnishing of sensitive information.

(End of clause)

[End of Section]
LIST OF ATTACHMENTS

The following documents are attached hereto and made a part of this contract:

<table>
<thead>
<tr>
<th>Attachment Number</th>
<th>Document Description</th>
<th>Number of Pages</th>
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</thead>
<tbody>
<tr>
<td>J-1</td>
<td>Statement of Work</td>
<td></td>
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<tr>
<td>J-2</td>
<td>Data Procurement Documents</td>
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<tr>
<td>J-3</td>
<td>Small Business Subcontracting Plan</td>
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(End of Clause)
SECTION K – REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

K.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE
NOTICE: The following clauses are hereby incorporated by reference:

| 52.225-25 | PROHIBITION ON CONTRACTING WITH ENTITIES ENGAGING IN CERTAIN ACTIVITIES OR TRANSACTIONS RELATING TO IRAN-REPRESENTATION AND CERTIFICATIONS (DEC 2012) |

(End of By Reference Section)

K.2 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (Feb 2016)

(a)

(1) The North American Industry classification System (NAICS) code for this acquisition is ___________ [insert NAICS code].

(2) The small business size standard is ___________ [insert size standard].

(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 provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certification in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

[ ] (i) Paragraph (d) applies.

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

(c)

(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless
(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed $150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations—Representation.

(vi) 52.209-5; Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.209-11, Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.

(viii) 52.214-14, Place of Performance–Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(ix) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(x) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.
(xi) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xii) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiv) 52.222-38, Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated that the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA-designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xvi) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA-designated items.

(xvii) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xviii) 52.225-4, Buy American--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternates I, II, and III) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than $25,000, the basic provision applies.

(B) If the acquisition value is $25,000 or more but is less than $50,000, the provision with its Alternate I applies.

(C) If the acquisition value is $50,000 or more but is less than $77,533, the provision with its Alternate II applies.

(D) If the acquisition value is $79,507 or more but is less than $100,000, the provision with its Alternate III applies.

(xix) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xx) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan--Certification. This provision applies to all solicitations.

(xxii) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certification. This provision applies to all solicitations.
(xxii) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following representations or certifications are applicable as indicated by the Contracting Officer:

[Contracting Officer check as appropriate.]

___ (i) 52.204-17, Ownership or Control of Offeror.
___ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.
___ (iii) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.
___ (iv) 52.222-52 Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.
___ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).
___ (vi) 52.227-6, Royalty Information.
    ___ (A) Basic.
    ___ (B) Alternate I.
___ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the SAM Web site accessed through https://www.acquisition.gov. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision 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.

<table>
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<tr>
<th>FAR Clause</th>
<th>Title</th>
<th>Date</th>
<th>Change</th>
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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 SAM.
(End of Provision)

K.3 52.209-7 INFORMATION REGARDING RESPONSIBILITY MATTERS (JUL 2013)

(a) Definitions. As used in this provision-

"Administrative proceeding" means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

"Federal contracts and grants with total value greater than $10,000,000" means-

1. The total value of all current, active contracts and grants, including all priced options; and

2. The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

"Principal" means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror [ ] has [ ] does not have current active Federal contracts and grants with total value greater than $10,000,000.

(c) If the offeror checked "has" in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

1. Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

   (i) In a criminal proceeding, a conviction.

   (ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of $5,000 or more.

   (iii) In an administrative proceeding, a finding of fault and liability that results in-

   (A) The payment of a monetary fine or penalty of $5,000 or more; or

   (B) The payment of a reimbursement, restitution, or damages in excess of $100,000.
(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management database via https://www.acquisition.gov (see 52.204-7).

(End of provision)

K.4 52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that --

(a) It * has developed and has on file, * has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2); or

(b) It * has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(End of Provision)


Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. Disclosure Statement -- Cost Accounting Practices and Certification

(a) Any contract in excess of $750,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offeror’s proposal under this solicitation.
unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

Caution: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

* (1) Certificate of Concurrent Submission of Disclosure Statement. The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows:

(i) Original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable; and

(ii) One copy to the cognizant Federal auditor.

(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _______________ Name and Address of Cognizant ACO or Federal Official Where Filed: _________________________

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

* (2) Certificate of Previously Submitted Disclosure Statement. The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _______________ Name and Address of Cognizant ACO or Federal Official Where Filed: _________________________

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

* (3) Certificate of Monetary Exemption. The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts
subject to CAS totaling $50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

* (4) Certificate of Interim Exemption. The offeror hereby certifies that

(i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and

(ii) in accordance with 48 CFR 9903.202, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under subparagraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

Caution: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of $50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. Cost Accounting Standards -- Eligibility for Modified Contract Coverage

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

* The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than $50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of $50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of $50 million or more.

III. Additional Cost Accounting Standards Applicable to Existing Contracts
The offeror shall indicate below whether award of the contemplated contract would, in accordance with subparagraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

* yes * no

(End of Provision)

K.6 1852.225-72 RESTRICTION ON FUNDING ACTIVITY WITH CHINA--REPRESENTATION (FEB 2012)

(a) Definition - "China" or "Chinese-owned" means the People's Republic of China, any company owned by the People's Republic of China or any company incorporated under the laws of the People's Republic of China.

(b) Public Laws 112-10, Section 1340(a) and 112-55, Section 536, restrict NASA from contracting to participate, collaborate, or coordinate bilaterally in any way with China or a Chinese-owned company with funds appropriated on or after April 25, 2011. Contracts for commercial and non-developmental items are excepted from the prohibition as they constitute purchase of goods or services that would not involve participation, collaboration, or coordination between the parties.

(c) Representation. By submission of its offer, the offeror represents that the offeror is not China or a Chinese-owned company.

(End of provision)

K.7 1852.225-73 INFORMATION TECHNOLOGY SYSTEMS FROM ENTITIES OWNED, DIRECTED OR SUBSIDIZED BY THE PEOPLE’S REPUBLIC OF CHINA (JUN 2013) (DEVIATION)

(a) Definitions-

"Acquire" means procure with appropriated funds by and for the use of NASA through purchase or lease.

"Entity owned, directed or subsidized by the People's Republic of China" means any organization incorporated under the laws of the People's Republic of China.

"Information Technology (IT) System" means the combination of hardware components, software, and other equipment to make a system whose core purpose is to accomplish a data processing need such as the automatic acquisition, storage, analysis, evaluation, manipulation, management, movement, control, display, switching, interchange, transmission or reception of data. IT systems include ground systems in support of flight hardware. IT systems do not include-

(i) Systems acquired by a contractor incidental to a contract;
(ii) Imbedded information technology that is used as an integral part of the product, but the
principal function of which is not the acquisition, storage, analysis, evaluation, manipulation, management, movement, control, display, switching, interchange, transmission, or reception of data or information. For example, HVAC (heating, ventilation, and air conditioning) equipment such as thermostats or temperature control devices, and medical equipment where information technology is integral to its operation, are not information technology systems;
(iii) Services in support of IT systems, such as help desk services; or
(iv) Flight hardware, which includes aircraft, spacecraft, artificial satellites, launch vehicles, balloon systems, sounding rockets, on-board instrument and technology demonstration systems, and equipment operated on the International Space Station; as well as prototypes, and engineering or brass boards created and used to test, troubleshoot, and refine air- and spacecraft hardware, software and procedures.

(b) Section 516 of the Consolidated and Further Continuing Appropriation Act, 2013 (Pub. L.113-6), requires NASA's Office of the Chief Information Officer (OCIO) to assess the risk of cyber-espionage or sabotage of an information technology (IT) system that is produced, manufactured, or assembled by an entity owned, directed or subsidized by the People's Republic of China. By submitting an offer in response to this solicitation, the Offeror understands and agrees that the Government retains the right to reject any offer or response to this solicitation made by the Offeror, without any further recourse by, or explanation to, the Offeror, if the Government determines the Offeror or the equipment or software offered by the Offeror, in whole or in part, presents an unacceptable risk to national security.

(c) Representation. The Offeror represents that any information technology system offered, except those listed in paragraph (d) of this provision, is not produced, manufactured, or assembled by an entity owned, directed or subsidized by the People's Republic of China.

(d) Information technology system(s) produced, manufactured, or assembled by an entity owned, directed or subsidized by the People's Republic of China:

ITEM VENDOR/MANUFACTURER'S COMPANY NAME AND ADDRESS
________________________________________
________________________________________
________________________________________
[List as necessary]

(e) The Contracting Officer will provide the list referenced in paragraph (d) to the NASA Office of the Chief Information Officer (OCIO) which will assess the risk of cyber-espionage or sabotage and make a determination if the acquisition of such system is in the national interest. Only items so approved may be provided under the contract. The Contracting Officer will advise the Offeror if any items are not approved and may provide the Offeror an opportunity to revise its proposal.

(End of provision)

K.8 1852.209-75 REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW (DEVIATION) (FEB 2012)

(a) In accordance with sections 544 and 543 of The Consolidated and Further Continuing
Appropriation Act of 2012 (Pub. L.112-55), none of the funds made available by that Act may be used to enter into a contract with any corporation that-

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government; or

(2) Was convicted (or had an officer or agent of such corporation acting on behalf of the corporation convicted) of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The offeror represents that

(1) It is [ ] is not [ ] a corporation that has had any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability; and

(2) It is [ ] is not [ ] a corporation that was convicted, or had an officer or agent acting on behalf of the corporation convicted, of a felony criminal violation under a Federal law within the preceding 24 months.

(End of provision)

K.9 1852.209-73 REPRESENTATION BY OFFERORS THAT THEY ARE NOT THE ASSOCIATION OF COMMUNITY ORGANIZATIONS FOR REFORM NOW (ACORN) OR A SUBSIDIARY OF ACORN (DEVIATION) (FEB 2012)

(a) In accordance with section 534 of The Consolidated and Further Continuing Appropriation Act of 2012 (Pub. L.112-55) none of the funds made available by the Act may be distributed to the Association of Community Organizations for Reform Now (ACORN) or its subsidiaries.

(b) The offeror represents, by submission of its offer, that it is not the Association of Community Organizations for Reform Now (ACORN) or a subsidiary thereof.

(End of provision)

K.10 1852.209-74 CERTIFICATION BY OFFERORS REGARDING FEDERAL INCOME TAX FILING AND FEDERAL INCOME TAX VIOLATIONS (DEVIATION) (FEB 2012)

(a) In accordance with section 527 of The Consolidated and Further Continuing Appropriation Act of 2012 (Pub. L.112-55) none of the funds made available by the Act may be used to enter into a contract in an amount greater than $5 Million unless the prospective contractor certifies in
writing to NASA that, to the best of its knowledge and belief, the contractor has filed all Federal
tax returns required during the three years preceding the certification, has not been convicted of a
criminal offense under the Internal revenue Code of 1986, and has not, more than 90 days prior
to certification, been notified of any unpaid Federal tax assessment for which the liability
remains unsatisfied, unless the assessment is the subject of an installment agreement or offer in
compromise that has been approved by the Internal Revenue Service and is not in default, or the
assessment is the subject of a non-frivolous administrative or judicial proceeding.

(b) The offeror's proposal shall include a signed written certification as follows--
To the best of my knowledge and belief, ---(name of offeror)--- has filed the Federal tax returns
required during the three years preceding this certification, has not been convicted of a criminal
offense under the Internal revenue Code of 1986, and has not, more than 90 days prior to
certification, been notified of any unpaid Federal tax assessment for which the liability remains
unsatisfied, unless the assessment is the subject of an installment agreement or offer in
compromise that has been approved by the Internal Revenue Service and is not in default, or the
assessment is the subject of a non-frivolous administrative or judicial proceeding.

Firm _____________________________________________
Signature _________________________________________
Name _____________________________________________
Title _____________________________________________
Date of execution __________________________________

(End of Provision)

[End of Section]