

SOLICITATION, OFFER AND AWARD

1. THIS CONTRACT IS A **RAT ED** ORDER UNDER DPAS (15 CFR 7900) RATING: NOT RATED PAGE 1 OF 75 PAGES

2. CONTRACT NUMBER: **NNG15CA66C**
 3. SOLICITATION NUMBER: **NNG15499015R**
 4. TYPE OF SOLICITATION: SEALED BID (IFB) **NEGOTIATED (RFP)**
 5. DATE ISSUED: **12/05/2014**
 6. REQUISITION/PURCHASE NUMBER: **4200499015**

7. ISSUED BY: **NASA/GSFC, Procurement Operations Division**
8800 Greenbelt Road, Code 210.3 Greenbelt, MD 20771

8. ADDRESS OFFER TO (If other than Item 7)

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

9. Sealed offers in original and see L12 for copies for furnishings the supplies or services in the Schedule will be received at the place specified in item 8, or if hand carried, in the depository located in see provision L.17 until **3:00 pm** local time **01/12/2015**

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: **Craig F. Keish**
 A. NAME: **Craig F. Keish**
 B. TELEPHONE (NO COLLECT CALLS): AREA CODE **301**, NUMBER **2864240**, EXT.
 C. E-MAIL ADDRESS: **Craig.F.Keish@nasa.gov**

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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 **270** 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 set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)	10 CALENDAR DAYS (%)	20 CALENDAR DAYS (%)	30 CALENDAR DAYS (%)	CALENDAR DAYS (%)
	0	0	0	0
14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
	Amendment 01	12/24/2014		

15A. NAME AND ADDRESS OF OFFEROR: **Alcyon Technical Services JV, LLC**
4801 University Square, Suite 31
Huntsville, AL 35816
 CODE: **78KN4** FACILITY:
 16. NAME AND THE TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print): **Autumn Sellars, President**

15B. TELEPHONE NUMBER: AREA CODE **256**, NUMBER **704-2305**, EXT. **208**
 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.
 17. SIGNATURE: *Autumn Sellars*
 18. OFFER DATE: **01/12/2015**

AWARD (To be completed by Government)
 19. ACCEPTED AS TO ITEMS: **All**
 20. AMOUNT: **\$188,000,000**
 21. ACCOUNTING AND APPROPRIATION: **4200564574**

22. AUTHORITY FOR USING OTHER THAN FULL OPEN COMPETITION: 10 U.S.C. 2304 (c) 41 U.S.C. 253 (c)
 23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified): **25**

24. ADMINISTERED BY (If other than Item 7):
 25. PAYMENT WILL BE MADE BY: **NASA Shared Services - Financial Management Division**
Accounts Payable
Bldg 11, C Road
Stennis Space Center, MS 39529-6000
 CODE: **NSJC**
NSJC - Accounts Payable@nasa.gov

26. NAME OF CONTRACTING OFFICER (Type or print): **Craig F. Keish**
 27. UNITED STATES OF AMERICA: *CK*
 (Signature of Contracting Officer)
 28. AWARD DATE: **9/9/15**

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**SECTION B OF NNG16CR66C
SUPPLIES OR SERVICES AND PRICES/COSTS**

B.1 SUPPLIES AND/OR SERVICES TO BE PROVIDED (GSFC 52.211-90) (JUL 2014)

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 Clause J.1, **Attachment A** - "Statement of Work" (SOW), **Attachment F** - "Quality Assurance Plan" and Task Orders issued.

Item	Description	Reference	Schedule	Delivery Method/Addressee(s)
1	Services and Deliverables in accordance with Task Orders Issued and the SOW	As Defined in Individual Task Orders Issued	As Specified in Individual Task Orders Issued	As Specified in Individual Task Orders Issued
2	Task Plans	Section B GSFC 52.216-91 Section H NFS 1852.216-80	As Required in Clause	NASA Task Order Management System (TOMS)
3	Reports of Work	Section C GSFC 52.235-90 Section I NFS 1852.235-73	As Required in Clause	As specified in Clause
4	Material Inspection and Receiving Reports (MIRR) (DD Form 250)	Section E NFS 1852.246-72 Section E GSFC 52.246-94	At Time of Delivery	Hard Copy/Contracting Officer (CO), Contracting Officer's Representative (COR), and Receiving &
5	NASA Financial Management Reports	Section G GSFC 52.242-90 Section G NFS 1852.242-73 Attachment C	Monthly and Quarterly in accordance with Attachment C	Electronic Format/ Contracting Officer (CO), Contracting Officer's Representative (COR), Resource Analyst (RA) & Regional Finance Office
6	Foreign Travel Requests and Foreign Travel Reports	Section G NFS 1852.242-71	Requests-30 days in Advance of Travel Reports- Upon Conclusion of Travel	As specified in Contracting Officer's (CO) travel approval
7	Requests for Government Property	Section G NFS 1852.245-70	30 Days Prior to Acquire Date	Electronic Format/CO

**SECTION B OF NNG16CR66C
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8	Financial Report of NASA Property in the Custody of Contractors (NF 1018)	Section G NFS 1852.245-73	Annual Report by October 15 th and Final Report	NF 1018 Electronic Submission System (NESS)
9	Physical Inventory of Capital Personal Property Reporting	Section G NFS 1852.245-78	Within 10 Calendar Days of Annual Physical Inventory	Property Administrator
10	Contractor Acquired Government Property Reporting	Section G GSFC 52.245-93	Quarterly by Jan 30, Apr 30, July 30, and Oct 30	Electronic and Hard Copy Format/CO and SEMO, Code 273
11	Contract Historical Data	Section H GSFC 52.242-91 Attachment K	30 Days after Contracting Officer Request	Electronic Format/CO
12	Safety & Health Reporting	Section H NFS 1852.223-70 Section H NFS 1852.223-75 Section H GSFC 52.223-91	Monthly/Quarterly Reports and As Required	NASA Mishap Information System (NMIS)
13	Reporting of Inventions	Section G NFS 1852.227-72 Section I FAR 52.227-11	Interim Reports Every 12 Months (or sooner to preserve Patent Rights) and Final Report within 3 Months after Contract Completion	Electronic or Hard Copy Format/New Technology Representative or Patent Representative
14	Personal Identity Verification (PIV) Documentation and Reporting	Section H GSFC 52.204-99 Attachment J	10th Calendar Day of the Month As Required	Electronic Format/COR & Code 240
15	Equal Opportunity Reports	Section I FAR 52.222-26	As Specified by FAR 52.222-26	Electronic Format/CO & Code 120
16	Insurance Notifications	Section I FAR 52.228-7 Section I NFS 1852.228-75	As Specified by NFS 1852.228-75	Electronic Format/CO
17	Subcontract Notification	Section I FAR 52.244-2	30 Days Prior to Subcontract Award Date	Electronic or Hard Copy Format/CO

**SECTION B OF NNG16CR66C
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18	IT Security Management Plan	Section I NFS 1852.204-76 Attachment G	30 Days after Contract Effective Date & Annual Updates As Required	Electronic Format/CO
19	Organizational Conflicts of Interest (OCI) Avoidance Plan	Section I NFS 1852.237-72 Attachment H	30 Days after Contract Effective Date	Electronic Format/CO
20	Service Contract Reporting	Section I FAR 52.204-15	Annually by October 31 and Revisions, if needed, by November 30	www.sam.gov

NOTE: Transportation Classification: Transportation Classifications designations, in accordance with Clause D.1, for deliverables under Item 1 will be specified in each individual task order at the time of task order issuance. Deliverables under Items 2-20, unless specified (electronic format, etc.), are considered Class IV and shall be shipped via the most advantageous commercial transportation means considered to be in the best interest of the Government.

(End of clause)

B.2 MINIMUM/MAXIMUM AMOUNT OF SUPPLIES OR SERVICES (COST REIMBURSEMENT) (GSFC 52.216-90) (APR 2008)

(a) The minimum amount of supplies or services that shall be ordered during the effective period of this contract is \$3,000,000. The maximum amount of supplies or services that may be ordered during the effective period of this contract is \$188,000,000. 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

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SUPPLIES OR SERVICES AND PRICES/COSTS**

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 as needed 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 30% of the original maximum amount.

(End of clause)

B.3 SUPPLEMENTAL TASK ORDERING PROCEDURES (COST REIMBURSEMENT) (GSFC 52.216-91) (APR 2010)

(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 B, to calculate the proposed estimated costs for all task orders issued in accordance with the "Task Ordering Procedure" clause of this contract.

(b) The Contractor's proposed approach/pricing of the representative tasks set forth in its proposal 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 B 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.

(End of clause)

B.4 ESTIMATED COST INCREASES (GSFC 52.232-94) (DEC 2005)

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

(b) A proposal is required to support a request for an increase in the estimated cost of the contract or the task order. The proposal should be submitted as soon as possible after the above notification but no later than 115 days before the incurred costs are

**SECTION B OF NNG16CR66C
SUPPLIES OR SERVICES AND PRICES/COSTS**

expected to exceed the estimated cost. This will allow adequate time for the Government to evaluate the proposal and to mutually establish any increase in estimated cost with the Contractor.

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

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

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

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

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

(End of clause)

B.5 ESTIMATED COST AND FIXED FEE (1852.216-74) (DEC 1991)

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

(End of clause)

B.6 CONTRACT FUNDING (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

(b) (4) This allotment is for the cost of awarded task orders and covers the following estimated period of performance: November 15, 2015.

(b) An additional amount of (b) (4) is obligated under this contract for payment of fee.

(End of clause)

[END OF SECTION B]

**SECTION C OF NNG16CR66C
DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

C.1 SCOPE OF WORK (GSFC 52.211-91) (AUG 2013)

The Contractor shall provide all personnel, materials, and facilities (except as may be expressly stated in the Contract as furnished by the Government) necessary to perform the work and to furnish the items specified in the SUPPLIES AND/OR SERVICES TO BE PERFORMED clause of this Contract in accordance with the requirements set forth in the Statement of Work incorporated in Section J as **Attachment A**, the Quality Assurance Plan incorporated in Section J as **Attachment F**, and task orders issued hereunder.

(End of clause)

C.2 REPORTS OF WORK (IDIQ/BPA) (GSFC 52.235-90) (AUG 2013)

(a) Monthly progress reports. The Contractor shall submit monthly progress reports of all work accomplished covering all Task Orders active during each month of contract's performance. Reports shall address the accomplishments and progress of all work performed under each Task Order for the month being reported. Each Task Order shall be a separate report. The report shall be in narrative form and brief in content. The report shall include a description of overall Task Order progress to include technical accomplishments and status of deliverables. Also the report shall provide a quantitative description of overall progress and identify any risks or problems, which may impede performance and proposed corrective actions. Also the report shall have a discussion of the projected work activities to be performed during the next monthly reporting period.

(b) Final Task Order Report. The Contractor shall submit a Final Task Order Report for each completed Task Order that summarizes the results of the entire Task Order, including recommendations and conclusions based on the experience and results obtained. The Final Task Order Report should include, as appropriate, tables, graphs, diagrams, curves, sketches, photographs, and drawings in sufficient detail to comprehensively explain the results achieved under the Task Order. The final report shall also include the final incurred cost for the Task Order.

(c) Submission. The Contractor shall submit the reports required by this clause as follows:

Copies	Report Type	Addressee	Mail Code
1	M,F	Contracting Officer (CO)	210.3
1	M,F	Contracting Officer's Representative	590

**SECTION C OF NNG16CR66C
DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

		(COR)	
1	M,F	Task Monitor	See Task Order

[M=Monthly Report, F=Final Report]

(d) Submission dates. Monthly reports shall be submitted by the 15th day of the month following the month being reported. If the Task Order 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. The final report for each Task Order shall be submitted within 30 days after completion of the Task Order.

(End of clause)

C.3 LIMITED RIGHTS DATA or RESTRICTED COMPUTER SOFTWARE (52.227-90) (MAR 2008)

In accordance with the delivery requirements of this contract, all software data rights shall be delivered in accordance with the Rights in Data – General clause, specified elsewhere in this contract, except for the following:

NONE

(End of clause)

[END OF SECTION C]

**SECTION D OF NNG16CR66C
PACKAGING AND MARKING**

D.1 PACKAGING, HANDLING, AND TRANSPORTATION (1852.211-70) (SEPT 2005)

(a) The Contractor shall comply with NASA Procedural Requirements (NPR) 6000.1, "Requirements for Packaging, Handling, and Transportation for Aeronautical and Space Systems, Equipment, and Associated Components", as may be supplemented by the statement of work or specifications of this contract, for all items designated as Class I, II, or III.

(b) The Contractor's packaging, handling, and transportation procedures may be used, in whole or in part, subject to the written approval of the Contracting Officer, provided (1) the Contractor's procedures are not in conflict with any requirements of this contract, and (2) the requirements of this contract shall take precedence in the event of any conflict with the Contractor's procedures.

(c) The Contractor must place the requirements of this clause in all subcontracts for items that will become components of deliverable Class I, II, or III items.

(End of clause)

D. 2 Identification and Marking of Government Equipment (1852.245-74) (JAN 2011)

(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 or through the use of commercial marking techniques that: (1) are sufficiently durable to remain intact through the typical lifespan of the property; and, (2) contain the data and data format required by the standards. This requirement includes deliverable equipment listed in the schedule and other equipment when no longer required for contract performance and 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) Equipment shall be marked in a location that will be human readable, without disassembly or movement of the equipment, 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.

**SECTION D OF NNG16CR66C
PACKAGING AND MARKING**

(4) An explanation of the data used to make the unique identification number.

(d) For equipment no longer needed for contract performance and physically transferred under paragraph (a) of this clause, the following additional data is required:

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

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

Goddard Space Flight Center
Building 35, Code 279
Greenbelt, MD 20771

(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)

(END SECTION D)

**SECTION E OF NNG16CR66C
INSPECTION AND ACCEPTANCE**

E.1 INSPECTION OF SERVICES – COST REIMBURSEMENT (52.246-5) (APR 1984)

E.2 HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT (52.246-11) (FEB 1999)

The Contractor shall comply with the higher-level quality standards below:

(a) ANSI/ISO/ASQ Q9001-2008 Quality Management System (QMS). In addition, the contractor's quality system shall be compliant with ISO Q9001-2008. Additional quality requirements may also be specified in individual task orders. "Compliant" means that the contractor has defined, documented, and will continually implement during the term of the contract management-approved methods of operation that conform to the requirements given in the above-cited International Standard.

(b) **Attachment F** – Quality Assurance Plan (QAP)

(End of clause)

E.3 ACCEPTANCE—LOCATION(S) (GSFC 52.246-93) (SEP 2013)

The Contracting Officer or authorized representative will accomplish acceptance at the following location(s):

Deliverable Item Numbers.	Location	Authorized Representative
1	TBD by task order/s	COR
2 – 20	See Section B Clause B.1	CO or COR

The Contracting Officer reserves the right to designate other Government agents as authorized representatives. The Contractor will be notified by a written notice or by a copy of the delegation letter if other agents are authorized.

(End of clause)

E.4 INSPECTION SYSTEM RECORDS (GSFC 52.246-102) (APR 2013)

The Contractor shall maintain records evidencing inspections in accordance with the Inspection clause of this contract for a period of six (6) years after delivery of all items and/or completion of all services called for by the contract.

(End of clause)

**SECTION E OF NNG16CR66C
INSPECTION AND ACCEPTANCE**

E.5 GOVERNMENT CONTRACT QUALITY ASSURANCE FUNCTIONS (1852.246-71) (OCT 1988)

In accordance with the inspection clause of this contract, the Government intends to perform the following functions at the locations indicated:

Item: to be identified by task order
Quality Assurance Location: to be identified by task order
Function: to be identified by task order

(End of clause)

E.6 MATERIAL INSPECTION AND RECEIVING REPORT (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 an original copy and sufficient other copies to accomplish the following distribution:

(1) Via mail and marked "Advance Copy", one copy each to the Contracting Officer, the Contracting Officer's Technical Representative (if designated in the contract), and to the cognizant Administrative Contracting Officer, if any.

(2) Via mail, the original and 1 copy (unfolded) to the shipment address (delivery point) specified in Section F of this contract. Mark the exterior of the envelope "CONTAINS DD FORM 250". This must arrive prior to the shipment.

(3) With shipment in waterproof envelope (one copy) for the consignee.

(4) If the shipment address is not directly to the Goddard Space Flight Center (Greenbelt) or Goddard Space Flight Center (Wallops) central receiving areas, then one copy of the DD Form 250 must be provided (via mail) to one on the following addresses depending upon whether this contract is with GSFC Greenbelt or GSFC Wallops:

Receiving and Inspection (Code 279), Goddard Space Flight Center,
Greenbelt, MD 20771.

Receiving and Inspection (Bldg. F16), Wallops Flight Facility,
Wallops Island VA 23337.

(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

**SECTION E OF NNG16CR66C
INSPECTION AND ACCEPTANCE**

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)

E.7 MATERIAL INSPECTION AND RECEIVING REPORT NOT REQUIRED (GSFC 52.246-94) (APR 1989)

NASA FAR Supplement clause 18-52.246-72 of this contract requires the furnishing of a Material Inspection and Receiving Report (MIRR) (DD Form 250 series) at the time of each delivery under this contract. However, a MIRR is not required for the following paper/electronic deliverables:

- 1) Services rendered
- 2) Reports/documentation

(End of clause)

(END OF SECTION E]

**SECTION F OF NNG16CR66C
DELIVERIES OR PERFORMANCE**

F.1 EFFECTIVE ORDERING PERIOD (GSFC 52.217-92) (JAN 2014)

The effective ordering period contract shall be for a period of 5 years from the contract effective date of October 15, 2015.

(End of clause)

F.2. PLACE OF PERFORMANCE - SERVICES (GSFC 52.237-92) (NOV 2013)

The services to be performed under this contract shall be performed at the following location(s): NASA Goddard Space Flight Center and contractor's facilities; alternate places of performance may be specified in individual task orders issued.

(End of clause)

F.3 SHIPPING INSTRUCTIONS--CENTRAL RECEIVING (GSFC 52.247-94) (NOV 2012)

Shipments of the items required under this contract shall be to:

Receiving Officer
Building 35
Code 279
Goddard Space Flight Center
Greenbelt, Maryland 20771

Marked for:

POC/Name: TBD per task order
Code: TBD per task order
Building: TBD per task order
Room: TBD per task order
Contract No: TBD per task order
Item(s) No: TBD per task order

Compliance with this clause is necessary to assure verification of delivery and acceptance and prompt payment.

(End of clause)

F.4 STOP-WORK ORDER (52.242-15) (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

**SECTION F OF NNG16CR66C
DELIVERIES OR PERFORMANCE**

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.5 F.O.B. DESTINATION (52.247-34) (NOV 1991)

(a) The term f.o.b. destination, as used in this clause, means -

- (1) Free of expense to the Government, on board the carrier's conveyance, at a specified delivery point where the consignee's facility (plant, warehouse, store,

**SECTION F OF NNG16CR66C
DELIVERIES OR PERFORMANCE**

lot, or other location to which shipment can be made) is located; and

(2) Supplies shall be delivered to the destination consignee's wharf (if destination is a port city and supplies are for export), warehouse unloading platform, or receiving dock, at the expense of the Contractor. The Government shall not be liable for any delivery, storage, demurrage, accessorial, or other charges involved before the actual delivery (or constructive placement as defined in carrier tariffs) of the supplies to the destination, unless such charges are caused by an act or order of the Government acting in its contractual capacity. If rail carrier is used, supplies shall be delivered to the specified unloading platform of the consignee. If motor carrier (including piggyback) is used, supplies shall be delivered to truck tailgate at the unloading platform of the consignee, except when the supplies delivered meet the requirements of Item 568 of the National Motor Freight Classification for heavy or bulky freight. When supplies meeting the requirements of the referenced Item 568 are delivered, unloading (including movement to the tailgate) shall be performed by the consignee, with assistance from the truck driver, if requested. If the contractor uses rail carrier or freight forwarded for less than carload shipments, the contractor shall ensure that the carrier will furnish tailgate delivery, when required, if transfer to truck is required to complete delivery to consignee.

(b) The Contractor shall –

- (1)(i) Pack and mark the shipment to comply with contract specifications; or
(ii) In the absence of specifications, prepare the shipment in conformance with carrier requirements;
- (2) Prepare and distribute commercial bills of lading;
- (3) Deliver the shipment in good order and condition to the point of delivery specified in the contract;
- (4) Be responsible for any loss of and/or damage to the goods occurring before receipt of the shipment by the consignee at the delivery point specified in the contract;
- (5) Furnish a delivery schedule and designate the mode of delivering carrier; and
- (6) Pay and bear all charges to the specified point of delivery.

(End of clause)

[END OF SECTION F]

**SECTION G OF NNG16CR66C
CONTRACT ADMINISTRATION DATA**

G.1 FINANCIAL MANAGEMENT REPORTING (GSFC 52.242-90) (JUN 2014)

(a) Requirements. This clause provides the supplemental instructions referred to in NASA FAR Supplement (NFS) clause 1852.242-73. The NFS clause and NASA Procedural Requirements (NPR) 9501.2E, "NASA Contractor Financial Management Reporting", establish report due dates and other financial management reporting requirements. NPR 9501.2E permits withholding of payment for noncompliance.

(b) Supplemental instructions.

(1) Monthly (NF 533M) reports are required. Quarterly (NF 533Q) reports are also required. The reporting structure shall be in accordance with Attachment C, Financial Management Reporting Requirements, of Section J of this contract.

(2) As stated in NPR 9501.2E, NASA strongly encourages electronic contractor cost reporting. The preferred formats are Excel and Adobe. Contact the Contracting Officer for any E-Mail addresses that are not provided or which become noncurrent.

Distribution shall be as follows:

Contracting Officer, Code 210.3
E-Mail: Craig.F.Keish@nasa.gov

Contracting Officer's Representative, Code 590
E-Mail: Walter.T.Flourny@nasa.gov

Resources Analyst, Code 501
E-Mail: Maragaret.S.Pavlinic@nasa.gov

Regional Finance Office Cost Team, Code 155.2
E-Mail: GSFC-rfocateam@lists.nasa.gov

Administrative Contracting Officer (if delegated), N/A

(c) Web site. NPR 9501.2E, "NASA Contractor Financial Management Reporting":

<http://nodis3.gsfc.nasa.gov/displayDir.cfm?t=NPR&c=9501&s=2E>

(End of clause)

G.2 PROPERTY CLAUSE APPLICABILITY—ON-SITE AND OFF-SITE (GSFC 52.245-96) (MAR 2011)

(a) Performance of this contract requires that Contractor personnel and any furnished and/or acquired Government property be located at both Government controlled and

**SECTION G OF NNG16CR66C
CONTRACT ADMINISTRATION DATA**

managed premises (on-site) and at Contractor controlled and managed premises (off-site). The requirements for control and accountability of Government property differ depending upon the location of the property. The applicability of the clauses in this contract to on-site and to off-site locations is indicated below.

(b) Clauses applicable to both on-site and off-site locations.

FAR clause 52.245-1, "Government Property"

FAR clause 52.245-9, "Use and Charges"

NASA FAR Supplement clause 1852.245-70, "Contractor Requests for Government-Provided Equipment"

NASA FAR Supplement clause 1852.245-72, "Liability for Government Property Furnished for Repair or Other Services"

NASA FAR Supplement clause 1852.245-74, "Identification and Marking of Government Equipment"

NASA FAR Supplement clause 1852.245-75, "Property Management Changes"

NASA FAR Supplement clause 1852.245-78, "Physical Inventory of Capital Personal Property"

NASA FAR Supplement clause 1852.245-79, "Records and Disposition Reports for Government Property with Potential Historic or Significant Real Value"

NASA FAR Supplement clause 1852.245-83, "Real Property Management Requirements"

(c) Clauses applicable only to off-site locations.

NASA FAR Supplement clause 1852.245-73, "Financial Reporting of NASA Property in the Custody of Contractors"

NASA FAR Supplement clause 1852.245-76, "List of Government Property Furnished Pursuant to FAR 52.245-1"

(d) Clauses applicable only to on-site locations.

FAR clause 52.245-2, "Government Property Installation Operation Services"

NASA FAR Supplement clause 1852.245-71, "Installation-Accountable Government Property"

**SECTION G OF NNG16CR66C
CONTRACT ADMINISTRATION DATA**

NASA FAR Supplement clause 1852.245-77, "List of Government Property Furnished Pursuant to FAR 52.245-2"

NASA FAR Supplement clause 1852.245-82, "Occupancy Management Requirements"

GSFC clause 52.245-93, "Reports of Contractor Acquired Government Property"

(End of clause)

G.3 PAYMENT OF FIXED FEE (1852.216-75) (DEC 1988)

The fixed fee shall be paid in monthly installments based upon the percentage of completion of work as determined by the Contracting Officer.

(End of clause)

G.4 SUBMISSION OF VOUCHERS FOR PAYMENT (GSFC 52.216-103) (SEPT 2014)

(a) Except for classified vouchers, the Contractor shall submit interim and final cost vouchers electronically using the DOD Wide Area Work Flow (WAWF) system. Vouchers will be reviewed by DCAA based upon a risk-based sampling review process.

(1) To access the DOD WAWF system, the contractor shall be required to have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov> and be registered to use the DOD WAWF at <https://wawf.eb.mil> following the step-by-step procedures for self-registration available at this web site.

(2) NASA voucher payment information can be obtained at the NASA Shared Services Center (NSSC) Vendor Payment information web site at: <https://www.nssc.nasa.gov/vendorpayment>. For technical WAWF help, contact the WAWF helpdesk at 1-866-618-5988. Please contact the NSSC Customer Contact Center at 1-877-NSSC123 (1-877-677-2123) with any additional questions or comments.

(3) For interim cost voucher submissions, the vendor shall use the "Cost Voucher" document type in WAWF. **In addition, the vendor shall change the contract type to "Non-DoD Contract (FAR)".**

The Activity address codes to be populated in WAWF for submission of vouchers under this contract are (*extension fields will not be populated*):

a. Paying Office Activity Address Code: 803112 (NSSC)

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- b. Admin Office Activity Address Code: 803249 (GSFC)
- c. Ship To Code: 803250 (GSFC)
- d. DCAA DoD Activity Address Code: HAA010
- e. Service Approver DoDAAC: 803249 (GSFC)
- f. If submitting "Final Cost Voucher," add Service Approver DoDAAC: 803249 (GSFC)

(4) The Contractor shall ensure that the payment request includes appropriate contract line item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation to support each payment request.

(5) The Contractor shall enter the e-mail address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

Contracting Officer: Craig.F.Keish@nasa.gov

- (b) Vouchers for payment of fee resulting from contract performance or provisional fee (if authorized under this contract) shall be prepared using an SF 1034 and submitted electronically to the following address for payment:

E-mail address: NSSC-AccountsPayable@nasa.gov
Mailing address: NSSC - FMD Accounts Payable
Bldg. 1111, C Road
Stennis Space Center, MS 39529
Fax Number: 1-866-209-5415

- (c) For both cost voucher and fee submissions, a concurrent copy of the voucher shall be provided electronically to the NASA Contracting Officer. The Contracting Officer may designate other recipients as required.
- (d) The NSSC is the designated billing office for cost and fee vouchers for purpose 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.5 RESERVED

G.6 DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND PATENT REPRESENTATIVE (1852.227-72) (JUL 1997)

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(a) For purposes of administration of the clause of this contract entitled "New Technology" or "Patent Rights – Ownership by the Contractor," (based on December 2007 FAR Part 27 re-write) whichever is included, the following named representatives are hereby designated by the Contracting Officer to administer such clause:

TITLE	OFFICE CODE AND ADDRESS (including zip code)
New Technology Representative	Code 504, Goddard Space Flight Center, Greenbelt, MD 20771
Patent Representative	Code 140.1, Goddard Space Flight Center, Greenbelt, MD 20771

(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 - Ownership by the Contractor" clause (based on December 2007 FAR Part 27 re-write), 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.7 COMMERCIAL COMPUTER SOFTWARE – LICENSING (1852.227-86) (DEC 1987)

(a) Any delivered commercial computer software (including documentation thereof) developed at private expense and claimed as proprietary shall be subject to the restricted rights in paragraph (d) of this clause. Where the vendor/contractor proposes its standard commercial software license, those applicable portions thereof consistent with Federal laws, standard industry practices, the Federal Acquisition Regulations (FAR) and the NASA FAR Supplement, including the restricted rights in paragraph (d) of this clause, are incorporated into and made a part of this purchase order/contract.

(b) Although the vendor/contractor may not propose its standard commercial software license until after this purchase order/contract has been issued, or at or after the time the computer software is delivered, such license shall nevertheless be deemed incorporated into and made a part of this purchase order/contract under the same terms and conditions as in paragraph (a) of this clause. For purposes of receiving updates, correction notices, consultation, and similar activities on the computer software, the NASA Contracting Officer or the NASA Contracting Officer's Technical Representative/User may sign any agreement, license, or registration form or card and

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return it directly to the vendor/contractor; however, such signing shall not alter any of the terms and conditions of this clause.

(c) The vendor's/contractor's acceptance is expressly limited to the terms and conditions of this purchase order/contract. If the specified computer software is shipped or delivered to NASA, it shall be understood that the vendor/contractor has unconditionally accepted the terms and conditions set forth in this clause, and that such terms and conditions (including the incorporated license) constitute the entire agreement between the parties concerning rights in the computer software.

(d) The following restricted rights shall apply:

(1) The commercial computer software may not be used, reproduced, or disclosed by the Government except as provided below or otherwise expressly stated in the purchase order/contract.

(2) The commercial computer software may be -

(i) Used, or copied for use, in or with any computer owned or leased by, or on behalf of, the Government; provided, the software is not used, nor copied for use, in or with more than one computer simultaneously, unless otherwise permitted by the license incorporated under paragraphs (a) or (b) of this clause;

(ii) Reproduced for safekeeping (archives) or backup purposes;

(iii) Modified, adapted, or combined with other computer software, provided that the modified, combined, or adapted portions of the derivative software incorporating restricted computer software shall be subject to the same restricted rights; and

(iv) Disclosed and reproduced for use by Government contractors or their subcontractors in accordance with the restricted rights in subparagraphs (d) (2) (i), (ii), and (iii) of this clause; provided they have the Government's permission to use the computer software and have also agreed to protect the computer software from unauthorized use and disclosure.

(3) If the incorporated vendor's/contractor's software license contains provisions or rights that are less restrictive than the restricted rights in paragraph (d) (2) of this clause, then the less restrictive provisions or rights shall prevail.

(4) If the computer software is published, copyrighted computer software, it is licensed to the Government, without disclosure prohibitions, with the rights in paragraphs (d) (2) and (3) of this clause.

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(5) The computer software may be marked with any appropriate proprietary notice that is consistent with the rights in paragraphs (d) (2), (3), and (4) of this clause.

(End of clause)

G.8 TRAVEL OUTSIDE OF THE UNITED STATES (1852.242-71) (DEC 1988)

(a) The Contracting Officer must authorize in advance and in writing travel to locations outside of the United States by Contractor employees that is to be charged as a cost to this contract. This approval may be granted when the travel is necessary to the efforts required under the contract and it is otherwise in the best interest of NASA.

(b) The Contractor shall submit requests to the Contracting Officer at least 30 days in advance of the start of the travel.

(c) The Contractor shall submit a travel report at the conclusion of the travel. The Contracting Officer's approval of the travel will specify the required contents and distribution of the travel report.

(End of clause)

G.9 NASA CONTRACTOR FINANCIAL MANAGEMENT REPORTING (1852.242-73) (NOV 2004)

(a) The Contractor shall submit NASA Contractor Financial Management Reports on NASA Forms 533 in accordance with the instructions in NASA Procedures and Guidelines (NPR) 9501.2, NASA Contractor Financial Management Reporting, and on the reverse side of the forms, as supplemented in the Schedule of this contract. The detailed reporting categories to be used, which shall correlate with technical and schedule reporting, shall be set forth in the Schedule. Contractor implementation of reporting requirements under this clause shall include NASA approval of the definitions of the content of each reporting category and give due regard to the Contractor's established financial management information system.

(b) Lower level detail used by the Contractor for its own management purposes to validate information provided to NASA shall be compatible with NASA requirements.

(c) Reports shall be submitted in the number of copies, at the time, and in the manner set forth in the Schedule or as designated in writing by the Contracting Officer. Upon completion and acceptance by NASA of all contract line items, the Contracting Officer may direct the Contractor to submit Form 533 reports on a quarterly basis only, report only when changes in actual cost occur, or suspend reporting altogether.

(d) The Contractor shall ensure that its Form 533 reports include accurate

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subcontractor cost data, in the proper reporting categories, for the reporting period.

(e) If during the performance of this contract NASA requires a change in the information or reporting requirements specified in the Schedule, or as provided for in paragraph (a) or (c) of this clause, the Contracting Officer shall effect that change in accordance with the Changes clause of this contract.

(End of clause)

**G.10 CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED EQUIPMENT
(1852.245-70) (JAN 2011)**

**G.11 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (1852.245-71)
(JAN 2011)**

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

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

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

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

Notify the cognizant property custodian, COTR, and the Installation Security Officer immediately if theft of Government property is suspected or property cannot be located

Identify Government property equipment that is no longer considered necessary for performance of the contract.

Ensure that equipment is turned in to the Property Disposal Officer through the cognizant property custodian when no longer needed. This is the only acceptable procedure for disposal of Government property.

Do not relocate Government property within Government premises or remove Government property from Government premises without written approval.

Ensure that Government property, including property leased to the Government, is used only for the purposes of performing the contract.

Ensure that Government property is protected and conserved.

Property not recorded in NASA property systems must be managed in accordance with the requirements of the clause at FAR 52.245-1, as incorporated in this contract.

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The Contractor shall establish and adhere to a system of written procedures to assure continued, effective management control and compliance with these user responsibilities. In accordance with FAR 52.245-1(h)(1) the contractor shall be liable for property lost, damaged, destroyed or stolen by the contractor or their employees when determined responsible by a NASA Property Survey Board, in accordance with the NASA guidance in this clause.

(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 for Government titled property as required by FAR 52.245-1, as incorporated in this contract, and shall maintain that record until accountability is accepted by the Government.

(iv) Contractor use of Government property at an off-site location and off-site subcontractor use requires 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 (as incorporated in this contract), until its return to the installation. NASA Procedural Requirements related to property loans shall not apply to offsite use of property by contractors.

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

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

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

(2) Office furniture.

(3) Property listed in Attachment I.

(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

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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: IT Services through the Agency Consolidated End-user Services (ACES) contract.

(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.12 FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (1852.245-73) (JAN 2011)

(a) The Contractor shall submit annually a NASA Form (NF) 1018, NASA Property in the Custody of Contractors, in accordance this clause, the instructions on the form and NFS subpart 1845.71, and any supplemental instructions for the current reporting period issued by NASA.

(b)(1) Subcontractor use of NF 1018 is not required by this clause; however, the Contractor shall include data on property in the possession of subcontractors in the annual NF 1018.

(2) The Contractor shall mail the original signed NF 1018 directly to the Goddard Space Flight Center (GSFC), General Accounting Department, General Ledger Section, Code 157, Greenbelt, MD 20771, unless the Contractor uses the NF 1018 Electronic Submission System (NESS) for report preparation and submission.

(3) One copy shall be submitted (through the Department of Defense (DOD) Property Administrator if contract administration has been delegated to DOD) to the following address: Goddard Space Flight Center, Supply and Equipment Management Branch, Code 273, Greenbelt, MD 20771, unless the Contractor uses the NF 1018 Electronic Submission System (NESS) for report preparation and submission.

(c)(1) The annual reporting period shall be from October 1 of each year through September 30 of the following year. The report shall be submitted in time to be received by October 15. The information contained in these reports is entered into the NASA accounting system to reflect current asset values for agency financial statement purposes. Therefore, it is essential that required reports be received no later than October 15. Some activity may be estimated for the month of September, if necessary, to ensure the NF 1018 is received when due. However, contractors' procedures must

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document the process for developing these estimates based on planned activity such as planned purchases or NASA Form 533 (NF 533 Contractor Financial Management Report) cost estimates. It should be supported and documented by historical experience or other corroborating evidence, and be retained in accordance with FAR Subpart 4.7, Contractor Records Retention. Contractors shall validate the reasonableness of the estimates and associated methodology by comparing them to the actual activity once that data is available, and adjust them accordingly. In addition, differences between the estimated cost and actual cost must be adjusted during the next reporting period. Contractors shall have formal policies and procedures, which address the validation of NF 1018 data, including data from subcontractors, and the identification and timely reporting of errors. The objective of this validation is to ensure that information reported is accurate and in compliance with the NASA FAR Supplement. If errors are discovered on NF 1018 after submission, the contractor shall contact the cognizant NASA Center Industrial Property Officer (IPO) within 30 days after discovery of the error to discuss corrective action.

(2) The Contracting Officer may, in NASA's interest, withhold payment until a reserve not exceeding \$25,000 or 5 percent of the amount of the contract, whichever is less, has been set aside, if the Contractor fails to submit annual NF 1018 reports in accordance with NFS subpart 1845.71 and any supplemental instructions for the current reporting period issued by NASA. Such reserve shall be withheld until the Contracting Officer has determined that NASA has received the required reports. The withholding of any amount or the subsequent payment thereof shall not be construed as a waiver of any Government right.

(d) A final report shall be submitted within 30 days after disposition of all property subject to reporting when the contract performance period is complete in accordance with paragraph (b)(1) through (3) of this clause.

(End of clause)

**G.13 INDIVIDUALS AUTHORIZED TO ISSUE TASK ORDERS (GSFC 52.216-100)
(SEP 2013)**

The following personnel are authorized to issue task orders under this contract. All designated personnel are employed by the Goddard Space Flight Center unless otherwise indicated:

Contracting Officer Code 210.M

(End of clause)

G.14 PROPERTY MANAGEMENT CHANGES (1852.245-75) (JAN 2011)

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G.15 LIST OF GOVERNMENT PROPERTY FURNISHED PURSUANT FAR 52.245-1 (1852.245-76) (JAN 2011)

(a) For performance of work under this contract, the Government will make available Government property identified below of this contract on a no-charge-for-use basis pursuant to the clause at FAR 52.245-1, Government Property, as incorporated in this contract. The Contractor shall use this property in the performance of this contract at the Contractor's Facility and at other location(s) as may be approved by the Contracting Officer. Under FAR 52.245-1, the Contractor is accountable for the identified property.

Item Description	Acquisition Date	Acquisition Cost	Quantity	Date to be Furnished	If equipment		
					Manufacturer	Model	Serial Number
To be specified in each task order, if applicable							

(End of clause)

G.16 PHYSICAL INVENTORY OF CAPITAL PERSONAL PROPERTY (1852.245-78) (JAN 2011)

G.17 OCCUPANCY MANAGEMENT REQUIREMENTS (1852.245-82) (JAN 2011)

(a) In addition to the requirements of the clause at FAR 52.245-1, Government Property, as included in this contract, the Contractor shall comply with the following in performance of work in and around Government real property:

- (1) NPD 8800.14, Policy for Real Property Management.
- (2) NPR 8831.2, Facility Maintenance Management.

(b) The Contractor shall obtain the written approval of the Contracting Officer before installing or removing Contractor-owned property onto or into any Government real property or when movement of Contractor-owned property may damage or destroy Government-owned property. The Contractor shall restore damaged property to its original condition at the Contractor's expense.

(c) The Contractor shall not acquire, construct or install any fixed improvement or structural alterations in Government buildings or other real property without the advance, written approval of the Contracting Officer. Fixed improvement or structural alterations, as used herein, means any alteration or improvement in the nature of the building or other real property that, after completion, cannot be removed without substantial loss of value or damage to the premises. Title to such property shall vest in the Government.

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(d) The Contractor shall report any real property or any portion thereof when it is no longer required for performance under the contract, as directed by the Contracting Officer.

(End of clause)

[END OF SECTION G]

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H.1 RESTRICTIONS ON PRINTING AND DUPLICATING (1852.208-81) (NOV 2004)

H.2 LIMITATION OF FUTURE CONTRACTING (1852.209-71) (DEC 1988)

(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 invited to FAR Subpart 9.5 - Organizational Conflicts of Interest.

(b) The nature of this conflict, in general terms, is that:

- (1) The Contractor may provide support in terms of preparing specifications or work statements, which would give rise to a biased ground rules organizational conflicts of interest (OCI).
- (2) The Contractor may have access to proprietary or other sensitive information, which would give rise to an unequal access OCI.
- (3) The Contractor may be required to perform technical reviews or provide engineering consultation services on their own products, or that of its affiliate, provided under a different contract(s), which would create an impaired objectivity OCI.

(c) The restrictions upon future contracting are as follows:

- (1) If the Contractor, 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) To the extent that the work under this contract requires access to proprietary, business confidential, or financial data of other companies, and as long as these data remain proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with those other companies.
- (3) If the Contractor, through the performance of tasks issued pursuant to this contract, may be required to participate in technical reviews or provide

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engineering consultation services on their own projects, or that of its affiliate, provided under a different contract(s), the Contractor is ineligible to perform the work described in that particular task order as a prime or first-tier subcontractor.

(End of clause)

H.3 TASK ORDERING PROCEDURE (1852.216-80) (OCTOBER 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 14 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.

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(e) The Contractor shall provide acknowledgment of receipt to the Contracting Officer within three 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 SAFETY AND HEALTH (1852.223-70) (APR 2002)

H.5 MAJOR BREACH OF SAFETY OR SECURITY (1852.223-75) (FEB 2002)

H.6 EXPORT LICENSE (1852.225-70) (FEB 2000) -- ALTERNATE I (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 Goddard Space Flight Center or other NASA installations, 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.

(e) The Contractor may request, in writing, that the Contracting Officer authorize it to export ITAR-controlled technical data (including software) pursuant to the exemption at 22 CFR 125.4(b) (3). The Contracting Officer or designated representative may

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authorize or direct the use of the exemption where the data does not disclose details of the design, development, production, or manufacture of any defense article.

(End of clause)

**H.7 CROSS-WAIVER OF LIABILITY FOR INTERNATIONAL SPACE STATION
ACTIVITIES (1852.228-76) (OCT 2012)**

**H.8 CROSS-WAIVER OF LIABILITY FOR SCIENCE OR SPACE EXPLORATION
ACTIVITIES UNRELATED TO THE INTERNATIONAL SPACE STATION (1852.228-
78) (OCT 2012)**

**H.9 OBSERVANCE OF LEGAL HOLIDAYS (1852.242-72) (AUG 1992) –
ALTERNATE II (OCT 2000)**

(a) The on-site Government personnel observe the following holidays:

New Year's Day
Labor Day
Martin Luther King, Jr.'s Birthday
Columbus Day
President's Day
Veterans Day
Memorial Day
Thanksgiving Day
Independence Day
Christmas Day

Any other day designated by Federal statute, Executive order, or the President's proclamation.

(b) When any holiday falls on a Saturday, the preceding Friday is observed. When any holiday falls on a Sunday, the following Monday is observed. Observance of such days by Government personnel shall not by itself be cause for an additional period of performance or entitlement of compensation except as set forth within the contract.

(c) When the NASA installation grants administrative leave to its Government employees (e.g., as a result of inclement weather, potentially hazardous conditions, or other special circumstances), Contractor personnel working on-site should also be dismissed. However, the contractor shall provide sufficient on-site personnel to perform round-the-clock requirements of critical work already in process, unless otherwise instructed by the Contracting Officer or authorized representative.

(d) Whenever administrative leave is granted to Contractor personnel pursuant to paragraph (c) of this clause, it shall be without loss to the Contractor. The cost of

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salaries and wages to the Contractor for the period of any such excused absence shall be a reimbursable item of cost under this contract for employees in accordance with the Contractor's established accounting policy.

(End of clause)

H.10 GEOGRAPHIC PARTICIPATION IN THE AEROSPACE PROGRAM (1852.244-70) (APR 1985)

H.11 CONTRACTOR PERSONNEL - IDENTIFICATION, ONSITE REPORTING, AND CHECKOUT PROCEDURES (GSFC 52.204-99) (APR 2013)

(a) In accordance with FAR 52.204-9, Personal Identity Verification of Contractor Personnel, the Contractor shall follow Steps 1 through 7 described in Attachment J, Personal Identity Verification (PIV) Card Issuance Procedures, for each contract employee (prime and subcontractor) who will have physical access to a NASA-controlled facility (also referred to as "onsite"). The Contractor must apply for permanent NASA/GSFC PIV cards for those contract employees who will be employed by the Contractor onsite for at least six months. The GSFC Security Division will consider permanent PIV cards for other employees of the Contractor on a case-by-case basis, such as employees that are not resident onsite, but must frequently visit. In the future, upon written notice from the Contracting Officer, the Contractor shall follow Steps 1 through 7 in Attachment J for each offsite contract employee (prime and subcontractor) who require remote access to a NASA information system for contract performance.

(b) The Contractor shall notify the GSFC Security Division, Code 240, Attention: PIV Manager, and the Contracting Officer's Representative (COR) of the contractor's designated PIV Requester within 15 calendar days after award of this contract. The NASA maintained PIV system contains work and home location and contact information for personnel that have permanent NASA PIV cards. The Contractor may contact the PIV Manager, Tel 301-286-2306 for assistance regarding the PIV system.

(c) Each contract employee shall provide to the Contractor's designated PIV Requester the basic identifying information required for a PIV Request to be initiated in the PIV System. The PIV Request must be approved by the PIV Sponsor (COR or the Contracting Officer). The COR will resolve any housing or access issues, and review the request for accuracy and completeness. Requests that are approved by the PIV Sponsor will be forwarded to the GSFC Security Division, Code 240, PIV Authorization, Badge enrollment, and Badge issuance.

(d) The Contractor shall submit an annotated PIV Report each month. The GSFC PIV Manager will furnish a PIV print-out to the Contractor no later than the end of each month. The Contractor shall annotate this provided report monthly to correct and update the information as follows:

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(1) Draw a line through the names of employees who are no longer employed by the contractor or that no longer work onsite under the contract, and;

(2) Make handwritten changes to any other incorrect data.

The annotated PIV Report shall be separately submitted to the GSFC Security Division, Code 240, Attention: PIV Manager, and to the COR by the 10th calendar day of the month. For the final PIV Report under the contract, the GSFC PIV Manager will furnish a PIV print-out to the Contractor no later than two weeks prior to the end of the contract. The Contractor shall submit its annotated final PIV Report no later than 3 days prior to the end of the contract.

If this is a follow-on contract, at the end of the phase-in period (if any)/start of the basic contract period, the GSFC Security Division will provide the Contractor a copy of the final PIV Report from the previous contract. The Contractor shall review the list and redline it as necessary to reflect its employees requiring PIV cards. The redlined list shall be provided the GSFC Security Division within 30 days after the start of the contract.

(e) The Contractor shall ensure that all personnel who have NASA/GSFC issued PIV cards, keys or other property who leave its employment or that no longer work onsite, process out through the GSFC Security Division, Code 240. Employees must return all GSFC issued identification and any Government property no later than the last day of their employment or the last day they work onsite under this contract. The Contractor shall establish appropriate procedures and controls to ensure this is accomplished. Failure to comply may result in the exercise of Government rights to limit and control access to Government premises, including denial of access and invalidation of NASA issued PIV cards and identification.

(End of clause)

H.12 GOVERNMENT PREMISES—PHYSICAL ACCESS AND COMPLIANCE WITH PROCEDURES (GSFC 52.211-95) (APR 2013)

(a)(1) The Contractor must apply for permanent NASA/GSFC Personal Identity Verification (PIV) cards (badges) for those employees that will be employed by the Contractor and subcontractors and that will be resident for at least six months at GSFC or at locations controlled by GSFC, such as GSFC leased space. Other personnel may be issued a temporary badge. All personnel must conspicuously display the GSFC PIV card at, or above, the waistline. Refer to GSFC clause 52.204-99, "Contractor Personnel—Identification, Onsite Reporting, and Checkout Procedures" for permanent PIV card issuance procedures.

(2) Visits by foreign nationals are restricted and must be necessary for the performance of the contract and concurred with by the Contracting Officer or by the

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Contracting Officer's Representative. Approval of such visits must be approved in advance in accordance with Goddard Procedural Requirement (GPR) 1600.1.

(3) Access to the GSFC may be changed or adjusted in response to threat conditions or special situations.

(b) While on Government premises, the Contractor shall comply with all requirements governing the conduct of personnel and the operation of the facility. These requirements are set forth in NASA Procedural Requirements (NPR), NASA Policy Directives (NPD), GPRs, GSFC Policy Directives (GPD), handbooks and announcements. The following cover many of the requirements:

(1) Harassment and Discrimination Announcements

<http://eeo.gsfc.nasa.gov/policy.html>

(2) GSFC Workplace Violence Announcement

https://gs279gdmsias.gsfc.nasa.gov/srv/GDMSNEWDatabaseObject?document_id=211

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(3) GPR 1600.1, GSFC Security Requirements

(4) NPD 1600.3, Policy on Prevention of and Response to Workplace Violence

(5) GPR 1700.1, Occupational Safety Program at GSFC

(6) GPR 1700.2, Chemical Hygiene Plan

(7) GPR 1700.8, GSFC Hazard Communication Program

(8) GPR 1800.1, GSFC Smoking and Other Tobacco Use Requirements

(9) GPR 1800.6, Occupational Health, Medicine and Employee Assistance Programs

(10) GPR 1860.1, Ionizing Radiation Protection

(11) GPR 1860.2, Laser Radiation Protection

(12) GPR 1860.3, Radio Frequency Radiation Protection

(13) GPR 1860.4, Ultraviolet and High Intensity Light Radiation Protection

(14) NPD 2540.1, Personal Use of Government Office Equipment
Including Information Technology

(15) GPR 2570.1, Spectrum Management and Radio Frequency (RF)
Equipment Licensing

(16) NPR 3713.3, Anti-Harassment Procedures

(17) GPD 8500.1, Environmental Policy and Program Management

(18) GPR 8710.2, GSFC Emergency Management Program Plan

(19) GPR 8710.7, Cryogenic Safety

(20) GPR 8710.8, GSFC Safety Program Management

(21) GPD 8715.1, GSFC Safety Policy

(22) GPR 8715.1, Processing of NASA Safety Reporting System
(NSRS) Incident Reports

Copies of the current issuances of the GPD/GPRs may be obtained at <http://gdms.gsfc.nasa.gov> from a computer onsite (GSFC Government Facility) or from the Contracting Officer. Copies of the current issuances of the NPD/NPRs may be obtained at <http://nodis3.gsfc.nasa.gov> or from the Contracting Officer. The above list

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may be modified by the Contracting Officer to include additional issuances pertaining to the conduct of personnel and the operation of the facility.

(c) The Contractor may not use official Government mail (indicia or "eagle" mail). Contractors found in violation could be liable for a fine of \$300 per piece of indicia mail used. However, the Contractor is allowed to use internal GSFC mail to the extent necessary for purposes of the contract.

(End of clause)

**H.13 SAFETY AND HEALTH--ADDITIONAL REQUIREMENTS (GSFC 52.223-91)
(JUN 2014)**

In addition to compliance with all Federal, state, and local laws as required by paragraph (b) of NFS clause 1852.223-70, the Contractor shall comply with the following:

(a) Incident Reporting: The immediate notification and prompt reporting requirement included in paragraph (d) of NFS clause 1852.223-70 shall be to Goddard Space Flight Center Occupational Safety and Health Division, Code 350, Telephone 301-356-3224 and to the Contracting Officer (CO). This verbal notification should be confirmed in writing via E-Mail to the CO and Jimmy.R.McLaughlin@nasa.gov and entered into the NASA Mishap Information System (NMIS) within 24 hours. This notification is also required for any unsafe or environmentally hazardous condition associated with Government-owned property that is provided or made available for the performance of the contract.

(b) Submit a monthly safety and health report using NMIS. Specify incidents (mishaps and close calls) and man-hours worked/month. Access to NMIS must be requested through the NASA Access Management System (NAMS) within 30 days of the contract effective date at <https://idmax.nasa.gov>. Until access is approved, use the Contractor Monthly Statistics Report Template available at <http://safety1st.gsfc.nasa.gov> under Contractor Safety and e-mail the completed form to Hernan.Castellanos@nasa.gov.

(End of clause)

H.14 RIGHTS IN DATA (GSFC 52.227-99) (JUN 2012)

The default Data Rights clause under this contract is FAR 52.227-14 RIGHTS IN DATA-GENERAL—Alternate II and Alternate III as modified by NASA FAR Supplement 1852.227-14 and GSFC 52.227-90. Any exceptions to this clause will be covered by FAR 52.227-17 RIGHTS IN DATA--SPECIAL WORKS as modified by NASA FAR Supplement 1852.227-17, if applicable, and GSFC 52.227-93.

(End of clause)

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H.15 ADVANCE AGREEMENT BETWEEN THE PARTIES: REQUIREMENT TO PROVIDE CONTRACT HISTORICAL DATA (GSFC 52.242-91) (AUG 2013)

(a) NASA may issue a competitive solicitation for a follow-on effort for services similar to those provided under this contract. As part of this follow-on competition, NASA may include historical labor category descriptions, full-time equivalents (FTEs), average direct labor rates, and other information from this contract in the follow-on solicitation for use by all potential offerors. Including this data in the solicitation is intended to ensure a comprehensive and fair evaluation of competitive proposals and increase the probability that realistic pricing is provided in future proposals submitted. Minimizing the potential risk for unrealistic or unsubstantiated pricing materially reduces the risk that cost/price could become an inappropriate discriminator among competing offerors.

(b) Based on the above, the Contractor shall, within 30 days of a written request from the Contracting Officer, provide and deliver all of the information included in **Attachment K, CONTRACT HISTORICAL DATA**, of the contract.

(End of clause)

H.16 APPLICABILITY OF RIGHTS IN DATA – SPECIAL WORKS (GSFC 52.227-93) (MAR 2008)

The "Rights in Data - Special Works" clause of this contract applies to the following aspects (or items):

Any data requested by the Government for any legitimate government use.

(End of clause)

H.17 REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFEROR (GSFC 52.204-100) (SEP 2013)

The completed provision 52.204-8, Annual Representations and Certifications, including any amended representation(s) made at paragraph (b) of the provision; and other representations, certifications and other statements contained in Section K completed and submitted as part of the offer dated January 12, 2015 are hereby incorporated by reference in this resulting contract.

(End of clause)

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- I.1 DEFINITIONS (52.202-1) (NOV 2013)**
- I.2 GRATUITIES (52.203-3) (APR 1984)**
- I.3 COVENANT AGAINST CONTINGENT FEES (52.203-5) (MAY 2014)**
- I.4 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (52.203-6) (SEP 2006)**
- I.5 ANTI-KICKBACK PROCEDURES (52.203-7) (MAY 2014)**
- I.6 CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (52.203-8) (MAY 2014)**
- I.7 PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (52.203-10) (MAY 2014)**
- I.8 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (52.203-12) (OCT 2010)**
- I.9 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT (52.203-13) (APR 2010)**
- I.10 DISPLAY OF HOTLINE POSTER/s (52.203-14) (DEC 2007)**
(b)(3) – Inspector General Hotline Posters may be obtained from NASA Office of Inspector General, Code W, Washington, DC 20546-001
- I.11 SECURITY REQUIREMENTS (52.204-2) (AUG 1996)**
- I.12 PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER (52.204-4) (MAY 2011)**
- I.13 PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (52.204-9) (JAN 2011)**
- I.14 REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (52.204-10) (JUL 2013)**
- I.15 SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (52.204-13) (JUL 2013)**

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I.16 PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (52.209-6) (AUG 2013)

I.17 UPDATES OF PUBLICLY AVAILABLE INFORMATION REGARDING RESPONSIBILITY MATTERS (52.209-9) (JUL 2013)

(a) The Contractor shall update the information in the Federal Awardee Performance and Integrity Information System (FAPIIS) on a semi-annual basis, throughout the life of the contract, by posting the required information in the System for Award Management database via <https://www.acquisition.gov>.

(b) As required by section 3010 of the Supplemental Appropriations Act, 2010 (Pub. L. 111-212), all information posted in FAPIIS on or after April 15, 2011, except past performance reviews, will be publicly available. FAPIIS consist of two segments—

- (1) The non-public segment, into which Government officials and the Contractor post information, which can only be viewed by—
 - (i) Government personnel and authorized users performing business on behalf of the Government; or
 - (ii) The Contractor, when viewing data on itself; and
- (2) The publicly-available segment, to which all data in the non-public segment of FAPIIS is automatically transferred after a waiting period of 14 calendar days, except for—
 - (i) Past performance reviews required by subpart 42.15;
 - (ii) Information that was entered prior to April 15, 2011; or
 - (iii) Information that is withdrawn during the 14-calendar-day waiting period by the Government official who posted it in accordance with paragraph (c)(1) of this clause.

(c) The Contractor will receive notification when the Government posts new information to the Contractor's record.

- (1) If the Contractor asserts in writing within 7 calendar days, to the Government official who posted the information, that some of the information posted to the non-public segment of FAPIIS is covered by a disclosure exemption under the Freedom of Information Act, the Government official who posted the information must within 7 calendar days remove the posting from FAPIIS and resolve the issue in accordance with agency Freedom of Information procedures, prior to reposting the releasable information. The contractor must cite 52.209-9 and request removal within 7 calendar days of the posting to FAPIIS.
- (2) The Contractor will also have an opportunity to post comments regarding information that has been posted by the Government. The comments will be retained as long as the associated information is retained, i.e., for a total period

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of 6 years. Contractor comments will remain a part of the record unless the Contractor revises them.

(3) As required by section 3010 of Pub. L. 111-212, all information posted in FAPIIS on or after April 15, 2011, except past performance reviews, will be publicly available.

(d) Public requests for system information posted prior to April 15, 2011, will be handled under Freedom of Information Act procedures, including, where appropriate, procedures promulgated under E.O. 12600.

(End of clause)

I.18 NOTIFICATION OF CHANGES (52.243-7) (APR 1984)

(b) Notice. ...within 5 calendar days...

(d) Government response within 30 calendar days...

I.19 AUDIT AND RECORDS – NEGOTIATION (52.215-2) (OCT 2010)

**I.20 ORDER OF PRECEDENCE - UNIFORM CONTRACT FORMAT (52.215-8)
(OCT 1997)**

**I.21 PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA
– MODIFICATIONS (52.215-11) (AUG 2011)**

**I.22 REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS
(1852.203-71) (AUG 2014)**

**I.23 SUBCONTRACTOR CERTIFIED COST OR PRICING DATA –
MODIFICATIONS (52.215-13) (OCT 2010)**

**I.24 RIGHTS IN DATA—SPECIAL WORKS (52.227-17) (DEC 2007) AS MODIFIED
BY NFS 1852.227-17**

I.25 INTEGRITY OF UNIT PRICES (52.215-14) (OCT 2010)

**I.26 PENSION ADJUSTMENTS AND ASSET REVERSIONS (52.215-15) (OCT
2010)**

**I.27 SECURITY CLASSIFICATION REQUIREMENTS (NFS 1852.204-75) (SEP
1989)**

Performance under this contract will involve access to and/or generation of classified information, work in a security area, or both, up to the level of Top Secret. See Federal Acquisition Regulation clause 52.204-2 in this contract and DD Form 254, Contract Security Classification Specification, **Attachment D**.

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(End of clause)

I.28 REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS (52.215-18) (JUL 2005)

I.29 NOTIFICATION OF OWNERSHIP CHANGES (52.215-19) (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)

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I.30 REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA – MODIFICATIONS (52.215-21) (OCT 2010)

I.31 LIMITATIONS ON PASS-THROUGH CHARGES (52.215-23) (OCT 2009)

I.32 ALLOWABLE COST AND PAYMENT (52.216-7) (JUN 2013) paragraph (a)(3) 30th day

I.33 FIXED FEE (52.216-8) (JUN 2011)

I.34 ORDERING (52.216-18) (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from the effective date of this contract through a five (5) year period afterwards (effective ordering period).

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

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

(End of clause)

I.35 ORDER LIMITATIONS (52.216-19) (OCT 1995)

(a) *Minimum order.* When the Government requires supplies or services covered by this contract in an amount of less than \$1,000, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

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

(1) Any order for a single item in excess of \$15M;

(2) Any order for a combination of items in excess of \$15M; or

(3) A series of orders from the same ordering office within fifteen (15) calendar days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.

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(c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within three (3) calendar days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

I.36 INDEFINITE QUANTITY (52.216-22) (OCT 1995)

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

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

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

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; *provided*, that the Contractor shall not be required to make any deliveries under this contract after (1) the end of the effective ordering period, or (2) no more than one (1) year from the end of the contract's effective ordering period for those orders placed within the ordering period where performance extends beyond the end of the effective ordering period.

(End of clause)

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I.37 NOTICE OF TOTAL SMALL BUSINESS SET- ASIDE (52.219-6) (NOV 2011)

I.38 UTILIZATION OF SMALL BUSINESS CONCERNS (52.219-8) (OCT 2014)

I.39 LIMITATIONS ON SUBCONTRACTING (52.219-14) (NOV 2011)

**I.40 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION
(52.219-28) (APR 2012)**

**I.41 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (52.222-1) (FEB
1997)**

I.42 PAYMENT FOR OVERTIME PREMIUMS (52.222-2) (JUL 1990)

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

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

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

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

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

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

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

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

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

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identification of each affected contract; and

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

(End of clause)

- I.43 CONVICT LABOR (52.222-3) (JUN 2003)**
- I.44 PROHIBITION OF SEGREGATED FACILITIES (52.222-21) (FEB 1999)**
- I.45 EQUAL OPPORTUNITY (52.222-26) (MAR 2007)**
- I.46 EQUAL OPPORTUNITY FOR VETERANS (52.222-35) (JUL 2014)**
- I.47 EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES (52.222-36) (JUL 2014)**
- I.48 EMPLOYMENT REPORTS ON VETERANS (52.222-37) (JUL 2014)**
- I.49 NOTIFICATION OF EMPLOYEES RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT (52.222-40) (DEC 2010)**
- I.50 COMBATING TRAFFICKING IN PERSONS (52.222-50) (FEB 2009)**
- I.51 EMPLOYMENT ELIGIBILITY VERIFICATION (52.222-54) (AUG 2013)**
- I.52 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (52.223-3) (JAN 1997) - ALTERNATE I (JUL 1995)**

(a) "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

Material (*If none, insert "None"*) Identification No.

None	

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(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to—

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with paragraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(i) Except as provided in paragraph (i)(2), the Contractor shall prepare and submit a sufficient number of Material Safety Data Sheets (MSDS's), meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous materials identified in paragraph (b) of this clause.

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(1) For items shipped to consignees, the Contractor shall include a copy of the MSDS's with the packing list or other suitable shipping document which accompanies each shipment. Alternatively, the Contractor is permitted to transmit MSDS's to consignees in advance of receipt of shipments by consignees, if authorized in writing by the Contracting Officer.

(2) For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Contractor shall provide one copy of the MSDS's in or on each shipping container. If affixed to the outside of each container, the MSDS's must be placed in a weather resistant envelope.

(End of clause)

**I.53 POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION (52.223-5)
(MAY 2011) – ALTERNATE I (MAY 2011) – ALTERNATE II (MAY 2011)**

I.54 DRUG-FREE WORKPLACE (52.223-6) (MAY 2001)

I.55 NOTICE OF RADIOACTIVE MATERIALS (52.223-7) (JAN 1997)

(a) The Contractor shall notify the Contracting Officer or designee, in writing, 30 days prior to the delivery of, or prior to completion of any servicing required by this contract of, items containing either (1) radioactive material requiring specific licensing under the regulations issued pursuant to the Atomic Energy Act of 1954, as amended, as set forth in Title 10 of the Code of Federal Regulations, in effect on the date of this contract, or (2) other radioactive material not requiring specific licensing in which the specific activity is greater than 0.002 microcuries per gram or the activity per item equals or exceeds 0.01 microcuries. Such notice shall specify the part or parts of the items which contain radioactive materials, a description of the materials, the name and activity of the isotope, the manufacturer of the materials, and any other information known to the Contractor which will put users of the items on notice as to the hazards involved (OMB No. 9000-0107).

(b) If there has been no change affecting the quantity of activity, or the characteristics and composition of the radioactive material from deliveries under this contract or prior contracts, the Contractor may request that the Contracting Officer or designee waive the notice requirement in paragraph (a) of this clause. Any such request shall -

(1) Be submitted in writing;

(2) State that the quantity of activity, characteristics, and composition of the radioactive material have not changed; and

(3) Cite the contract number on which the prior notification was submitted

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and the contracting office to which it was submitted.

(c) All items, parts, or subassemblies which contain radioactive materials in which the specific activity is greater than 0.002 microcuries per gram or activity per item equals or exceeds 0.01 microcuries, and all containers in which such items, parts or subassemblies are delivered to the Government shall be clearly marked and labeled as required by the latest revision of MIL-STD 129 in effect on the date of the contract.

(d) This clause, including this paragraph (d), shall be inserted in all subcontracts for radioactive materials meeting the criteria in paragraph (a) of this clause.

(End of clause)

I.56 WASTE REDUCTION PROGRAM (52.223-10) (MAY 2011)

I.57 ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (52.223-18) (AUG 2011)

I.58 BUY AMERICAN – SUPPLIES (52.225-1) (MAY 2014)

I.59 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (52.225-13) (JUN 2008)

I.60 AUTHORIZATION AND CONSENT (52.227-1) (DEC 2007)

I.61 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT (52.227-2) (DEC 2007)

I.62 ADDITIONAL DATA REQUIREMENTS (52.227-16) (JUN 1987)

I.63 RIGHTS TO PROPOSAL DATA (TECHNICAL) (52.227-23) (JUN 1987)

Except for data contained on pages NONE, 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 N/A, upon which this contract is based.

(End of clause)

I.64 INSURANCE - LIABILITY TO THIRD PERSONS (52.228-7) (MAR 1996)

I.65 LIMITATION ON WITHHOLDING OF PAYMENTS (52.232-9) (APR 1984)

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- I.66 INTEREST (52.232-17) (MAY 2014)**
- I.67 LIMITATION OF FUNDS (52.232-22) (APR 1984)**
- I.68 ASSIGNMENT OF CLAIMS (52.232-23) (MAY 2014)**
- I.69 PROMPT PAYMENT (52.232-25) (JUL 2013) – ALTERNATE I (FEB 2002)**
- I.70 PAYMENT BY ELECTRONIC FUNDS TRANSFER—SYSTEM FOR AWARD MANAGEMENT (52.232-33) (JUL 2013)**
- I.71 PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (52.232-40) (DEC 2013)**
- I.72 DISPUTES (52.233-1) (MAY 2014) – ALTERNATE I (DEC 1991)**
- I.73 PROTEST AFTER AWARD (52.233-3) (AUG 1996) - ALTERNATE I (JUN 1985)**
- I.74 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (52.233-4) (OCT 2004)**
- I.75 PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (52.237-2) (APR 1984)**
- I.76 CONTINUITY OF SERVICES (52.237-3) (JAN 1991)**
- I.77 PRIVACY OR SECURITY SAFEGUARDS (52.239-1) (AUG 1996)**
- I.78 NOTICE OF INTENT TO DISALLOW COSTS (52.242-1) (APR 1984)**
- I.79 PENALTIES FOR UNALLOWABLE COSTS (52.242-3) (MAY 2014)**
- I.80 CERTIFICATION OF FINAL INDIRECT COSTS (52.242-4) (JAN 1997)**
- I.81 BANKRUPTCY (52.242-13) (JUL 1995)**
- I.82 CHANGES – COST-REIMBURSEMENT (52.243-2) (AUG 1987) – ALTERNATE II (APR 1984)**
- I.83 SUBCONTRACTS (52.244-2) (OCT 2010)**
 - (d) Professional and Consultant costs as defined at FAR 31.205-33
 - (j) None
- I.84 COMPETITION IN SUBCONTRACTING (52.244-5) (DEC 1996)**

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I.85 SUBCONTRACTS FOR COMMERCIAL ITEMS (52.244-6) (OCT 2014)

I.86 GOVERNMENT PROPERTY (52.245-1) (APR 2012)

I.87 USE AND CHARGES (52.245-9) (APR 2012)

I.88 LIMITATION OF LIABILITY – SERVICES (52.246-25) (FEB 1997)

I.89 COMMERCIAL BILL OF LADING NOTATIONS (52.247-1) (FEB 2006)

Paragraph (a) NASA/GSFC

Paragraph (b) NASA/GSFC, Contract No. NNG15CR66C, NASA/GSFC, Contracting Officer, Code 210.3, Greenbelt, MD 20771

I.90 PREFERENCE FOR U.S.-FLAG AIR CARRIERS (52.247-63) (JUN 2003)

I.91 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT (52.247-67) (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--

NASA/GSFC, Contracting Officer, Code 210.3, Greenbelt, MD 20771

(End of clause)

I.92 TERMINATION (COST-REIMBURSEMENT) (52.249-6) (MAY 2004)

I.93 EXCUSABLE DELAYS (52.249-14) (APR 1984)

I.94 GOVERNMENT SUPPLY SOURCES (52.251-1) (APR 2012)

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I.95 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):

For Federal Acquisition Regulation (FAR) clauses, see
<https://www.acquisition.gov/far/index.html>

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

(End of clause)

I.96 AUTHORIZED DEVIATIONS IN CLAUSES (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)

I.97 COMPUTER GENERATED FORMS (52.253-1) (JAN 1991)

**I.98 DISPLAY OF INSPECTOR GENERAL HOTLINE POSTERS (1852.203-70)
(JUN 2001)**

I.99 RESERVED

**I.100 SECURITY REQUIREMENTS FOR UNCLASSIFIED INFORMATION
TECHNOLOGY RESOURCES (1852.204-76) (JAN 2011)**

I.101 OMBUDSMAN (1852.215-84) (NOV 2011) -- ALTERNATE I (JUN 2000)

(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

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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.

(c) If this is a task or delivery order contract, the ombudsman shall review complaints from contractors and ensure they are afforded a fair opportunity to be considered, consistent with the procedures of the contract.

(End of clause)

I.102 ASSIGNMENT AND RELEASE FORMS (1852.216-89) (JUL 1997)

I.103 USE OF RURAL AREA SMALL BUSINESSES (1852.219-74) (SEP 1990)

I.104 NASA 8 PERCENT GOAL (1852.219-76) (JUL 1997)

(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)(1)).

"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

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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.105 DRUG-AND ALCOHOL-FREE WORKFORCE (1852.223-74) (MAR 1996)

I.106 RESTRICTION ON FUNDING ACTIVITY WITH CHINA (1852.225-71) (FEB 2012) (DEVIATION)

(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

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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)

1.107 PATENT RIGHTS--OWNERSHIP BY THE CONTRACTOR (52.227-11) (MAY 2014) AS MODIFIED BY NFS 1852.227-11

(j) **Communications.** Communications and information submissions required by this clause shall be made to the individuals identified in NFS clause 1852.227-72, Designation of New Technology Representative and Patent Representative.

1.108 RIGHTS IN DATA-GENERAL (52.227-14) (MAY 2014) as modified by NFS 1852.227-14—ALTERNATE II (DEC 2007) AND ALTERNATE III (DEC 2007)

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

"Computer database" or "database means" a collection of recorded information in a form capable of, and for the purpose of, being stored in, processed, and operated on by a computer. The term does not include computer software.

"Computer software"-

(1) Means

(i) Computer programs that comprise a series of instructions, rules, routines, or statements, regardless of the media in which recorded, that allow or cause a computer to perform a specific operation or series of operations; and

(ii) Recorded information comprising source code listings, design details, algorithms, processes, flow charts, formulas, and related material that would enable the computer program to be produced, created, or compiled.

(2) Does not include computer databases or computer software documentation.

"Computer software documentation" means owner's manuals, user's manuals, installation instructions, operating instructions, and other similar items, regardless of storage medium, that explain the capabilities of the computer software or provide instructions for using the software.

"Data" means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term does

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not include information incidental to contract administration, such as financial, administrative, cost or pricing, or management information.

"Form, fit, and function data" means data relating to items, components, or processes that are sufficient to enable physical and functional interchangeability, and data identifying source, size, configuration, mating and attachment characteristics, functional characteristics, and performance requirements. For computer software it means data identifying source, functional characteristics, and performance requirements but specifically excludes the source code, algorithms, processes, formulas, and flow charts of the software.

"Limited rights" means the rights of the Government in limited rights data as set forth in the Limited Rights Notice of paragraph (g)(3) if included in this clause.

"Limited rights data" means data, other than computer software, that embody trade secrets or are commercial or financial and confidential or privileged, to the extent that such data pertain to items, components, or processes developed at private expense, including minor modifications.

"Restricted computer software" means computer software developed at private expense and that is a trade secret, is commercial or financial and confidential or privileged, or is copyrighted computer software, including minor modifications of the computer software.

"Restricted rights," as used in this clause, means the rights of the Government in restricted computer software, as set forth in a Restricted Rights Notice of paragraph (g) if included in this clause, or as otherwise may be provided in a collateral agreement incorporated in and made part of this contract, including minor modifications of such computer software.

"Technical data" means recorded information (regardless of the form or method of the recording) of a scientific or technical nature (including computer databases and computer software documentation). This term does not include computer software or financial, administrative, cost or pricing, or management data or other information incidental to contract administration. The term includes recorded information of a scientific or technical nature that is included in computer databases (See 41 U.S.C. 116).

"Unlimited rights" means the rights of the Government to use, disclose, reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, in any manner and for any purpose, and to have or permit others to do so.

(b) Allocation of rights.

(1) Except as provided in paragraph (c) of this clause, the Government shall have unlimited rights in-

(i) Data first produced in the performance of this contract;

(ii) Form, fit, and function data delivered under this contract;

(iii) Data delivered under this contract (except for restricted computer software)

that constitute manuals or instructional and training material for installation, operation, or routine maintenance and repair of items, components, or processes delivered or furnished for use under this contract; and

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(iv) All other data delivered under this contract unless provided otherwise for limited rights data or restricted computer software in accordance with paragraph (g) of this clause.

(2) The Contractor shall have the right to-

(i) Assert copyright in data first produced in the performance of this contract to the extent provided in paragraph (c)(1) of this clause;

(ii) Use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, unless provided otherwise in paragraph (d) of this clause;

(iii) Substantiate the use of, add, or correct limited rights, restricted rights, or copyright notices and to take other appropriate action, in accordance with paragraphs (e) and (f) of this clause; and

(iv) Protect from unauthorized disclosure and use those data that are limited rights data or restricted computer software to the extent provided in paragraph (g) of this clause.

(c) Copyright-

(1) Data first produced in the performance of this contract.

(i) Unless provided otherwise in paragraph (d) of this clause, the Contractor may, without prior approval of the Contracting Officer, assert copyright in scientific and technical articles based on or containing data first produced in the performance of this contract and published in academic, technical or professional journals, symposia proceedings, or similar works. The prior, express written permission of the Contracting Officer is required to assert copyright in all other data first produced in the performance of this contract.

(ii) When authorized to assert copyright to the data, the Contractor shall affix the applicable copyright notices of 17 U.S.C. 401 or 402, and an acknowledgment of Government sponsorship (including contract number).

(iii) For data other than computer software, the Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license in such copyrighted data to reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly by or on behalf of the Government. For computer software, the Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable, worldwide license in such copyrighted computer software to reproduce, prepare derivative works, and perform publicly and display publicly (but not to distribute copies to the public) by or on behalf of the Government.

(2) *Data not first produced in the performance of this contract.* The Contractor shall not, without the prior written permission of the Contracting Officer, incorporate in data delivered under this contract any data not first produced in the performance of this contract unless the Contractor-

(i) Identifies the data; and

(ii) Grants to the Government, or acquires on its behalf, a license of the same scope as set forth in paragraph (c)(1) of this clause or, if such data are restricted computer software, the Government shall acquire a copyright license as set forth in

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paragraph (g)(4) of this clause (if included in this contract) or as otherwise provided in a collateral agreement incorporated in or made part of this contract.

(3) *Removal of copyright notices.* The Government will not remove any authorized copyright notices placed on data pursuant to this paragraph (c), and will include such notices on all reproductions of the data.

(d) *Release, publication, and use of data.* The Contractor shall have the right to use, release to others, reproduce, distribute, or publish any data first produced or specifically used by the Contractor in the performance of this contract, except-

(1) As prohibited by Federal law or regulation (e.g., export control or national security laws or regulations);

(2) As expressly set forth in this contract; or

(3) If the Contractor receives or is given access to data necessary for the performance of this contract that contain restrictive markings, the Contractor shall treat the data in accordance with such markings unless specifically authorized otherwise in writing by the Contracting Officer.

(i) The Contractor agrees not to establish claim to copyright, publish or release to others any computer software first produced in the performance of this contract without the Contracting Officer's prior written permission.

(ii) If the Government desires to obtain copyright in computer software first produced in the performance of this contract and permission has not been granted as set forth in paragraph (d)(3)(i) of this clause, the Contracting Officer may direct the contractor to assert, or authorize the assertion of, claim to copyright in such data and to assign, or obtain the assignment of, such copyright to the Government or its designated assignee.

(iii) Whenever the word "establish" is used in this clause, with reference to a claim to copyright, it shall be construed to mean "assert".

(e) *Unauthorized marking of data.*

(1) Notwithstanding any other provisions of this contract concerning inspection or acceptance, if any data delivered under this contract are marked with the notices specified in paragraph (g)(3) or (g) (4) if included in this clause, and use of the notices is not authorized by this clause, or if the data bears any other restrictive or limiting markings not authorized by this contract, the Contracting Officer may at any time either return the data to the Contractor, or cancel or ignore the markings. However, pursuant to 41 U.S.C. 4703, the following procedures shall apply prior to canceling or ignoring the markings.

(i) The Contracting Officer will make written inquiry to the Contractor affording the Contractor 60 days from receipt of the inquiry to provide written justification to substantiate the propriety of the markings;

(ii) If the Contractor fails to respond or fails to provide written justification to substantiate the propriety of the markings within the 60-day period (or a longer time approved in writing by the Contracting Officer for good cause shown), the Government shall have the right to cancel or ignore the markings at any time after said period and the data will no longer be made subject to any disclosure prohibitions.

(iii) If the Contractor provides written justification to substantiate the propriety of the markings within the period set in paragraph (e)(1)(i) of this clause, the Contracting Officer will consider such written justification and determine whether or not the markings

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are to be cancelled or ignored. If the Contracting Officer determines that the markings are authorized, the Contractor will be so notified in writing. If the Contracting Officer determines, with concurrence of the head of the contracting activity, that the markings are not authorized, the Contracting Officer will furnish the Contractor a written determination, which determination will become the final agency decision regarding the appropriateness of the markings unless the Contractor files suit in a court of competent jurisdiction within 90 days of receipt of the Contracting Officer's decision. The Government will continue to abide by the markings under this paragraph (e)(1)(iii) until final resolution of the matter either by the Contracting Officer's determination becoming final (in which instance the Government will thereafter have the right to cancel or ignore the markings at any time and the data will no longer be made subject to any disclosure prohibitions), or by final disposition of the matter by court decision if suit is filed.

(2) The time limits in the procedures set forth in paragraph (e)(1) of this clause may be modified in accordance with agency regulations implementing the Freedom of Information Act (5 U.S.C. 552) if necessary to respond to a request thereunder.

(3) Except to the extent the Government's action occurs as the result of final disposition of the matter by a court of competent jurisdiction, the Contractor is not precluded by paragraph (e) of the clause from bringing a claim, in accordance with the Disputes clause of this contract, that may arise as the result of the Government removing or ignoring authorized markings on data delivered under this contract.

(f) Omitted or incorrect markings.

(1) Data delivered to the Government without any restrictive markings shall be deemed to have been furnished with unlimited rights. The Government is not liable for the disclosure, use, or reproduction of such data.

(2) If the unmarked data has not been disclosed without restriction outside the Government, the Contractor may request, within 6 months (or a longer time approved by the Contracting Officer in writing for good cause shown) after delivery of the data, permission to have authorized notices placed on the data at the Contractor's expense. The Contracting Officer may agree to do so if the Contractor-

- (i) Identifies the data to which the omitted notice is to be applied;
- (ii) Demonstrates that the omission of the notice was inadvertent;
- (iii) Establishes that the proposed notice is authorized; and
- (iv) Acknowledges that the Government has no liability for the disclosure, use, or reproduction of any data made prior to the addition of the notice or resulting from the omission of the notice.

(3) If data has been marked with an incorrect notice, the Contracting Officer may-

- (i) Permit correction of the notice at the Contractor's expense if the Contractor identifies the data and demonstrates that the correct notice is authorized; or
- (ii) Correct any incorrect notices.

(g) Protection of limited rights data and restricted computer software.

(1) The Contractor may withhold from delivery qualifying limited rights data or restricted computer software that are not data identified in paragraphs (b)(1)(i), (ii), and (iii) of this clause. As a condition to this withholding, the Contractor shall-

- (i) Identify the data being withheld; and
- (ii) Furnish form, fit, and function data instead.

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(2) Limited rights data that are formatted as a computer database for delivery to the Government shall be treated as limited rights data and not restricted computer software.

(3) Notwithstanding paragraph (g)(1) of this clause, the contract may identify and specify the delivery of limited rights data, or the Contracting Officer may require by written request the delivery of limited rights data that has been withheld or would otherwise be entitled to be withheld. If delivery of that data is required, the Contractor shall affix the following "Limited Rights Notice" to the data and the Government will treat the data, subject to the provisions of paragraphs (e) and (f) of this clause, in accordance with the notice:

LIMITED RIGHTS NOTICE (DEC 2007)

(a) These data are submitted with limited rights under Government Contract No. NNG15CR66C (and subcontract number, if appropriate). These data may be reproduced and used by the Government with the express limitation that they will not, without written permission of the Contractor, be used for purposes of manufacture nor disclosed outside the Government; except that the Government may disclose these data outside the Government for the following purposes, if any; provided that the Government makes such disclosure subject to prohibition against further use and disclosure:

(i) Use (except for manufacture) by support service contractors.

(ii) Evaluation by nongovernment evaluators.

(iii) Use (except for manufacture) by other contractors participating in the Government's program of which the specific contract is a part.

(iv) Emergency repair or overhaul work.

(v) Release to a foreign government, or its instrumentalities, if required to serve the interests of the U.S. Government, for information or evaluation, or for emergency repair or overhaul work by the foreign government.

(vi) or any other legitimate government use.

(b) This notice shall be marked on any reproduction of these data, in whole or in part.

(End of Notice)

(4)(i) Notwithstanding paragraph (g)(1) of this clause, the contract may identify and specify the delivery of restricted computer software, or the Contracting Officer may require by written request the delivery of restricted computer software that has been withheld or would otherwise be entitled to be withheld. If delivery of that computer software is required, the Contractor shall affix the following "Restricted Rights Notice" to

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the computer software and the Government will treat the computer software, subject to paragraphs (e) and (f) of this clause, in accordance with the notice:

Restricted Rights Notice (Dec 2007)

(a) This computer software is submitted with restricted rights under Government Contract No. NNG15CR66C (and subcontract number, if appropriate). It may not be used, reproduced, or disclosed by the Government except as provided in paragraph (b) of this notice or as otherwise expressly stated in the contract.

(b) This computer software may be-

(1) Used or copied for use with the computer(s) for which it was acquired, including use at any Government installation to which the computer(s) may be transferred;

(2) Used or copied for use with a backup computer if any computer for which it was acquired is inoperative;

(3) Reproduced for safekeeping (archives) or backup purposes;

(4) Modified, adapted, or combined with other computer software, *provided* that the modified, adapted, or combined portions of the derivative software incorporating any of the delivered, restricted computer software shall be subject to the same restricted rights;

(5) Disclosed to and reproduced for use by support service Contractors or their subcontractors in accordance with paragraphs (b)(1) through (4) of this notice; and

(6) Used or copied for use with a replacement computer and other legitimate government use.

(c) Notwithstanding the foregoing, if this computer software is copyrighted computer software, it is licensed to the Government with the minimum rights set forth in paragraph (b) of this notice.

(d) Any other rights or limitations regarding the use, duplication, or disclosure of this computer software are to be expressly stated in, or incorporated in, the contract.

(e) This notice shall be marked on any reproduction of this computer software, in whole or in part.

(End of Notice)

(ii) Where it is impractical to include the Restricted Rights Notice on restricted computer software, the following short-form notice may be used instead:

Restricted Rights Notice Short Form (Jun 1987)

Use, reproduction, or disclosure is subject to restrictions set forth in Contract No. NNG15CR66C (and subcontract, if appropriate) with (name of Contractor and subcontractor).

(End of Notice)

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(iii) If restricted computer software is delivered with the copyright notice of 17 U.S.C. 401, it will be presumed to be licensed to the Government without disclosure prohibitions, with the minimum rights set forth in paragraph (b) of this clause.

(h) *Subcontracting*. The Contractor shall obtain from its subcontractors all data and rights therein necessary to fulfill the Contractor's obligations to the Government under this contract. If a subcontractor refuses to accept terms affording the Government those rights, the Contractor shall promptly notify the Contracting Officer of the refusal and shall not proceed with the subcontract award without authorization in writing from the Contracting Officer.

(i) *Relationship to patents or other rights*. Nothing contained in this clause shall imply a license to the Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Government.

(End of clause)

I.109 MINIMUM INSURANCE COVERAGE (1852.228-75) (OCT 1988)

I.110 CENTER FOR AEROSPACE INFORMATION (1852.235-70) (DEC 2006)

**I.111 FINAL SCIENTIFIC AND TECHNICAL REPORTS (1852.235-73) (DEC 2006) –
ALTERNATE II (DEC 2005)**

I.112 EMERGENCY EVACUATION PROCEDURES (1852.237-70) (DEC 1988)

I.113 ACCESS TO SENSITIVE INFORMATION (1852.237-72) (JUN 2005)

I.114 RELEASE OF SENSITIVE INFORMATION (1852.237-73) (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

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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 NFS 1852.237-72, 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.

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(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.

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(End of clause)

I.115 EMERGENCY MEDICAL SERVICES AND EVACUATION (1852.242-78) (APR 2001)

I.116 NOTIFICATION PRIOR TO ACQUIRING INFORMATION TECHNOLOGY SYSTEMS FROM ENTITIES OWNED, DIRECTED OR SUBSIDIZED BY THE PEOPLE'S REPUBLIC OF CHINA (1852.225-74) (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 (PRC). The Government retains the right to reject any IT system tendered for acceptance under this Contract, without any further

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recourse by, or explanation to, the Contractor, if the Government determines the IT system, in whole or in part, presents an unacceptable risk to national security.

(c) The Contractor shall obtain the approval of the Contracting Officer before acquiring any IT system(s) from entities owned, directed or subsidized by the People's Republic of China under this contract. Any Contractor request to use such items shall include adequate information for Government evaluation of the request, including—

- (1) A brief description of the item(s); and
- (2) Vendor/manufacturer's company name and address;

(d) The Contracting Officer will provide the information referenced in paragraph (c) 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 shall be provided under the contract.

(End of clause)

I.117 SERVICE CONTRACT REPORTING REQUIREMENTS FOR INDEFINITE-DELIVERY CONTRACTS (52.204-15) (JAN 2014)

I.118 MARKET RESEARCH (52.210-1) (APR 2011)

I.119 PREVENTING PERSONAL CONFLICTS OF INTEREST (52.203-16) (DEC 2011)

I.120 UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS (52.232-39) (JUN 2013)

I.121 NOTIFICATION OF COMPETITION LIMITED TO ELIGIBLE 8(A) CONCERNS (52.219-18) (JUN 2003) (DEVIATION)

(a) Offers are solicited only from small business concerns expressly certified by the Small Business Administration (SBA) for participation in the SBA's 8(a) Program and which meet the following criteria at the time of submission of offer—

(1) The Offeror is in conformance with the 8(a) support limitation set forth in its approved business plan; and

(2) The Offeror is in conformance with the Business Activity Targets set forth in its approved business plan or any remedial action directed by the SBA.

(b) By submission of its offer, the Offeror represents that it meets all of the criteria set forth in paragraph (a) of this clause.

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(c) Any award resulting from this solicitation will be made directly by the Contracting Officer to the successful 8(a) offeror selected through the evaluation criteria set forth in this solicitation.

(d)(1) *Agreement.* A small business concern submitting an offer in its own name shall furnish, in performing the contract, only end items manufactured or produced by small business concerns in the United States or its outlying areas. If this procurement is processed under simplified acquisition procedures and the total amount of this contract does not exceed \$25,000, a small business concern may furnish the product of any domestic firm. This paragraph does not apply to construction or service contracts.

(2) The Alcyon Technical Services (ATS) JV, LLC will notify the NASA, Goddard Space Flight Center's Contracting Officer in writing immediately upon entering an agreement (either oral or written) to transfer all or part of its stock or other ownership interest to any other party.

(End of clause)

I.122 OZONE-DEPLETING SUBSTANCES (52.223-11) (MAY 2001)

(a) Definition. "Ozone-depleting substance", as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

- (1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or
- (2) Class II, including, but not limited to, hydro chlorofluorocarbons

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

"WARNING: Contains (or manufactured with, if applicable) _____ * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere."

* The Contractor shall insert the name of the substance(s).

(End of clause)

I.123 MATERIAL REQUIREMENTS (52-211-5) (AUG 2000)

I.124 CONTRACTS FOR MATERIALS, SUPPLIES, ARTICLES, AND EQUIPMENT EXCEEDING \$15,000 (52.222-20) (MAY 2014)

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**I.125 ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS (52.223-15)
(DEC 2007)**

**I.126 COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT SYSTEMS (52.223-
19) (MAY 2011)**

I.127 COMPOSITION OF THE CONTRACTOR (NFS 1852.209-72 (DEC 1988)

I.128 SHARED SAVINGS (1852.243-71) (MAR 1997)

[END OF SECTION]

**SECTION J OF NNG16CR66C
EVALUATION FACTORS FOR AWARD**

J.1 LIST OF ATTACHMENTS (GSFC 52.211-101) (AUG 2014)

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

Attachment	Description	Date	Number of Pages (Including the Cover Page)
A	Statement of Work	3/2014	19
B	Direct Labor Rates, Indirect Rates, and Fee Matrices	1/2015	8
C	Financial Management Reporting Requirements	6/2014	4
D	DD Form 254, Contract Security Classification Specification	Prior to contract effective date	4
E	Safety & Health Plan	1/2015	44

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EVALUATION FACTORS FOR AWARD**

F	Quality Assurance Plan (QAP)	1/2015	37
G	IT Security Management Plan	30 days after contract effective date, & annual updates as required	TBD
H	Organizational Conflicts of Interest Avoidance Plan	30 days after contract effective date	TBD
I	Installation-Accountable Government Property	6/2014	5
J	Personal Identity Verification (PIV) Card Issuance Procedures	6/2014	5
K	Contract Historical Data	6/2014	2
L	IT Security Applicable Documents List	6/2014	6

***TBD –To Be Determined**

(End of clause)

ATTACHMENT A

STATEMENT OF WORK

CONTRACT #: NNG15CR66C

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INTRODUCTION

The National Aeronautics and Space Administration (NASA) were established to plan, direct, and conduct aeronautical and space activities for peaceful purposes for the benefit of all mankind. The operational aspects of NASA's work are divided among field installations around the country and involve research and development activities under the responsibility of four technical program offices at NASA Headquarters.

The Goddard Space Flight Center (GSFC) has primary locations in Greenbelt, Maryland and Wallops Island, Virginia. The GSFC is chartered to expand the knowledge of the earth and its environment, the solar system, and the universe through observations from space. To this end, the GSFC's primary emphasis is in scientific investigation, in the development and operation of space systems, and in the advancement of essential technologies. In accomplishing this responsibility, the GSFC has undertaken a broad program of scientific research, both theoretical and experimental, in the study of space phenomena and earth sciences. The program ranges from basic research to flight experiment development and from mission operations to data analysis.

Within the GSFC, the Applied Engineering Technology Directorate (AETD) plans, organizes, and conducts a broad range of technical research and development activities in support of science applications. The AETD is responsible for providing engineering expertise and support in the formulation, design, development, fabrication, integration, test, verification, and operation of components, subsystems, systems, science instruments, and complete spacecraft for multiple projects. The specific components, subsystems, systems, and science instruments are ultimately integrated into the spacecraft to form a science observatory. It is these observatories that are launched to fulfill the mission of the GSFC. The AETD comprises five engineering divisions: the Mechanical Systems Division (MSD), the Software Engineering Division (SED), the Instrument Systems and Technology Division (ISTD), the Electrical Engineering Division (EED), and the Mission Engineering and Systems Analysis Division (MESAD).

To fulfill these responsibilities and ultimately achieve their missions, the AETD must acquire a wide range of engineering services in support of its divisions to implement the GSFC mission.

SCOPE OF WORK

The contractor shall, pursuant to Task Orders issued by the Contracting Officer, provide Mission and Instrument Systems Engineering (M&ISE) services to the Mission Engineering & Systems Analysis Division (MESAD) and related Applied Engineering and Technology Directorate (AETD) organizations, for the formulation and implementation of, flight and ground systems, and development and validation of new technologies.

The contractor shall, pursuant to Task Orders issued by the Contracting Officer, provide M&ISE services in all aspects of mission and instrument formulation and implementation for systems, science instruments, observatories, launch, ground system, spacecraft, and suborbital craft (e.g., aircraft, sounding rockets, unmanned aerial vehicles (UAVs), balloons), including

services for the following: free-flying spacecraft, suborbital craft payloads, and Space Station payloads.

The contractor shall, pursuant to Task Orders issued by the Contracting Officer, provide on/off-site M&ISE services. These services shall include the personnel, facilities, and materials (unless otherwise provided by the Government) to accomplish the tasks.

I. GENERAL RESPONSIBILITIES

The contractor shall provide the establishment of a management organization for the management of personnel, timely and effective implementation of Task Orders, control and monitoring of contract and subcontract performance, management of scheduled deliveries, and timely and effective reporting to the Government.

The contractor shall provide to the government efficient methods for cost management and task order progress and status, throughout all phases of work called out in this statement of work.

The Contractor shall be responsible for ensuring that all contractor and subcontractor personnel engaged in performance of this Statement of Work have appropriate qualifications, knowledge, and certification to perform work in accordance with the Task Orders.

Function 3 of the SEAS Statement of Work, "RESEARCH AND TECHNOLOGY SERVICES", directs systems engineering analysis and test activities to be conducted which may necessitate short term and limited application of hardware and hardware development on the SEAS contract.

Electronic and Information Technology (EIT) Section 508 Compliance

In order to comply with the Section 508 Electronic and Information Technology Accessibility Standards, the contractor shall perform all work required under this contract in compliance with the following technical standards delineated in Code of Federal Regulations (CFR) Title 36:

- 1194.21 Software Applications and Operating Systems
- 1194.22 Web-based Intranet and Internet Information and Applications

II. PERFORMANCE MEASUREMENT

Performance-based statements of work/specifications will be used for establishing contract requirements. Therefore, each Task Order issued by the Contracting Officer will include, as a minimum, the following:

1. Statement of Work, including the requirements to be met, the standard(s) of performance/quality of work, and required deliverables (or other output)

Attachment A

2. Performance Specification (if applicable)
3. Applicable Documents (if required)
4. Period of Performance
5. Surveillance Plan

The Contractor shall be required to adhere to the performance measurements detailed in each Task Order.

III. TASK ORDERS

The contractor shall, pursuant to Task Orders issued by the Contracting Officer, provide M&ISE services required in one or more of the areas described in the scope of work. M&ISE services within the scope of this Statement of Work and specified in Task Orders shall include the services delineated in the following sections.

FUNCTION 1 – FORMULATION PHASE SERVICES

The Contractor shall provide primarily Mission and Instrument Systems Engineering (M&ISE) services, with discipline engineering support services as required, for formulation phase development, that integrates the aspects of flight systems, ground systems, instrument systems, and launch systems.

The Contractor shall provide Mission and Instrument Systems Engineering (M&ISE) support for project development, documentation, reporting progress, and conformance to appropriate practices and specifications, as called out in the applicable documents and specifications section of this statement of work.

A. General Study Services

The Contractor shall provide general study services for the formulation of systems, and identification of scientific objectives, mission requirements and technical concepts.

Contractor study products provided shall include:

- a. Tracks and oversees production of pre-formulation and formulation phase study inputs for spacecraft, suborbital craft, and instruments.
- b. Develop mission needs (mission objectives, measurement concept, and instrument concept) and mission design (mission requirements, instrument requirements, architectural design, and operations concept).
- c. Develop preliminary, relative cost and schedule estimates based on design alternatives, and identify and assess high-risk elements in designs.
- d. Document the history of design, qualification, flight experience, and modifications where existing components or subsystems are to be utilized.
- e. Identify interface requirements for pre-launch, launch, on-orbit servicing, or retrieval of flight hardware.
- f. Define interface engineering and management requirements.
- g. Prepare mission systems and operations documentation.
- h. Prepare requirements and specification packages that conform to applicable standards defined within Task Order statement of work.
- i. Identify interfaces and prepare interface control documents.
- j. Provide technical inputs for problem-solving and/or design inputs in selected spacecraft, instruments, suborbital craft, ground system, and data disciplines.
- k. Analyze various reports (i.e., progress reports) delivered by the GSFC mission contractor(s) and provide recommendations to the project.
- l. Provide liaison and coordination services for project activities.
- m. Provide M&ISE services that include performance of preliminary system design (leading to a Preliminary Design Review) of the instrument/spacecraft/platform/launch system.

Attachment A

The contractor shall provide personnel with security clearances for tasks ranging from Secret to Top Secret and Sensitive Compartmental Information (SCI).

The contractor shall comply with applicable NASA, DoD, National Industrial Security Program Operating Manual (NISPOM) and Director of Central Intelligence Directives (DCIDs) security regulations.

B. Candidate Study Services

The Contractor shall provide candidate study services for the conceptual design and development of systems, and identification of scientific objectives, mission requirements and technical concepts.

Contractor study products provided shall include:

- a. Strategic technology planning
- b. Integration of joint missions, partnerships, and other collaborative efforts
- c. Research/science/technology/cost trade studies
- d. Candidate operations concepts
- e. Candidate system architectures
- f. Cost, schedule, and risk estimates
- g. Research and technology unique to system development
- h. Customer development support and outreach

The Contractor shall document all results in a candidate study report.

C. Preliminary Analysis Study Services

The Contractor shall provide preliminary analysis study services focusing on analyzing mission requirements and establishing mission architectures in order to demonstrate that a credible, feasible design(s) exist(s).

The Contractor shall provide top-level requirements and evaluation criteria, identify alternative operations/logistics concepts, and identify project constraints and system boundaries.

Contractor study products provided shall include:

- a. Preliminary system design of a feasible, but not necessarily optimum configuration.
- b. Assessment of technical risks, including identification of technical problems and

the criticality of their solution to follow-on efforts; identification of those problems currently being addressed, and a judgment of effort and time likely to be necessary to find a practical solution.

- c. Identification of all recommended systems characteristics, including launch and control capability, tracking and data acquisition, facility considerations, and institutional base activities.
- d. Implementation plans, which include the identification of all major systems and subsystems
- e. Preparation of the system design that forms the basis for implementing system development (hardware or software).
- f. Provide alternative design concepts including feasibility and risk studies, cost and schedule estimates, and advanced technology requirements.
- g. Prepare for and support the appropriate Phase A project and technical reviews and prepare Phase A project documentation as appropriate (see the NASA Systems Engineering Handbook, SP-6105, December 2007).

The Contractor shall document all results in a Preliminary Analysis Study Report.

D. System Definition Study Services

The Contractor shall provide system definition and preliminary design study services to establish (and evolve) the project baseline(s).

Contractor study products provided shall include:

- a. Defining system requirements, system budgets (e.g., mass, power, memory), error budgets, system/subsystem requirements, software requirements, ground support equipment requirements, and integration and test requirements.
- b. Identifying all recommended system characteristics; defining the subsystem components and assemblies; identifying the required complement of flight and ground support equipment; specifying internal and external interfaces; and verifying that the recommended design approach's critical subsystems and components are within the state-of-the-art.
- c. Providing a formal flow down of project-level performance requirements to a complete set of system and subsystem design specifications for both flight and ground elements. Phase B baseline information shall be developed including system requirements and verification requirements matrices; system architecture and work breakdown structures; operations concepts; "design-to" specifications at all levels; and project plans including schedule, resources, and acquisition strategies.
- d. Performing risk assessments of all critical elements, describing the risks and control methods. The knowledge and use of Probability Risk Assessment (PRA), Failure Modes and Effects Analysis (FMEA) and Fault Tree Analysis (FTA) is required.

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- e. Preparing the system design that shall form the basis for implementing/developing the system (hardware or software); defining the tasks and sequence of tasks that shall be performed to provide orderly technical development, design, review, interface, test, and integration of the system; and providing the required plans (modeling, analysis, and simulation; configuration; logistics; information; software; verification; integration and test, etc.) for the effort.
- f. Describing and documenting integrated mission architecture.
- g. Preparing for and supporting the appropriate Phase B project and technical reviews and preparing Phase B project documentation as appropriate (see the NASA Systems Engineering Handbook, SP-6105, December 2007).

The Contractor shall document all results in a System Definition Study Report.

FUNCTION 2 – IMPLEMENTATION PHASE SERVICES

The Contractor shall provide Mission and Instrument Systems Engineering (M&ISE) services, for implementation phase development that integrates the aspects of flight systems, ground systems, instrument systems, and launch systems.

The Contractor shall provide Mission and Instrument Systems Engineering (M&ISE) support for project development, documentation, reporting progress, and conformance to appropriate practices and specifications, as called out in the applicable documents and specifications section of this statement of work.

The Contractor shall provide services for implementation phase tasks that include:

A. Operations Concept Development & Support:

- a. Developing the operations concept.
- b. Preparing/reviewing operations concepts in regards to the intended functionality and interfaces among the flight subsystems and the ground.
- c. Generating Operations Concept Documents (ConOps).
- d. Participating in user interface meetings and joint integrated mission simulation training aimed at developing viable user operations.
- e. Supporting satellite operations.
- f. Analyzing flight anomalies and recommending implementing appropriate actions.
- g. Working with principal investigator and science working group in planning operations.
- h. Supporting “lessons learned” presentations.
- i. Preparing plans for and supporting mission disposal operations.

B. Architecture & Design Development:

- a. Defining systems, system architectures, and conducting trade-off studies/design studies for spacecraft, suborbital craft, instruments, space segments and ground segments.
- b. Reviewing system development and system test activities.
- c. Generating and maintaining and/or reviewing system block diagrams.
- d. Characterization of the technology readiness levels for all candidate technologies.

C. Requirements Analysis, Identification and Management:

- a. Generating and managing and reviewing requirements.
- b. Conducting requirements traceability.
- c. Documenting specified and lower-level derived requirements to demonstrate that performance requirements are met.

- d. Reviewing/performing independent design and development requirements analyses, and submitting comments and recommendations.
- e. Reviewing technical specifications, and submitting comments and recommendations.
- f. Reviewing contamination control requirements.
- g. Reviewing operating plans and procedures for cryogenics, fuels, and other hazardous materials.

D. Validation and Verification:

- a. Generating and/or reviewing Verification Plans
- b. Performing design, drawing, and specification reviews
- c. Providing comments and/or recommendations to ensure:
 - i. Designs meet specification and interface requirements.
 - ii. Appropriate parts standards are compatible with specified mission requirements and risk levels.
 - iii. Detailed specifications are compatible with mission requirements, including margin and error budgets.
 - iv. Proper consideration is given to cost, reliability, safety, non-flight fabrication requirements, contamination control, magnetic materials/interference, launch requirements, and space environmental requirements.
- d. Documenting and/or reviewing system qualification requirements.
- e. Preparing and/or reviewing hardware and software integration plans and procedures.
- f. Preparing and/or reviewing detailed functional, comprehensive, and environmental test plans and procedures.
- g. Ensuring execution of integration and test plans.
- h. Ensuring that the technical aspects of shipping requirements and equipment are met.
- i. Preparing and/or reviewing plans for launch site checkout, integration and testing of flight systems, including adequacy of the launch site facility.
- j. Analyzing data from spacecraft telemetry data sources to ensure complete system compatibility.
- k. Analyzing performance using spacecraft and instrument telemetry.

E. Interfaces and Interface Control Documents (ICDs):

- a. Reviewing and analyzing design interfaces
- b. Identifying interface control requirements for engineering and design of components for launch, on orbit servicing, or retrieval of flight hardware
- c. Preparing, reviewing, and analyzing interface documentation for mission systems
- d. Preparing interface control documents and verifying proper implementation for flight and ground systems and subsystems
- e. Controlling external interface documentation and requirements

F. Environment Requirements:

Defining, reviewing and analyzing system specifications to ensure that they meet the specified environments including Mechanical systems, Electrical systems, EMI/EMC, Grounding, Thermal, Radiation, Parts engineering, Contamination, Reliability, Charging, Timing and time distribution, Data rates, Safety, and Orbital debris.

G. Technical Resource Budget Tracking:

Documenting, controlling and/or reviewing budget plans, including power, thermal, data storage, computer processing and communication through-put, attitude control, timing, mass properties, command and telemetry signal margin and bit error rates etc., both at the flight system level and allocated to lower levels of assembly. This shall include error margins, where applicable.

H. Risk Analysis, Reduction, and Management:

- a. Identifying high risk elements and developing/executing contingency plans for controlling the high risk elements
- b. Reviewing contractor risk management plans and commenting on alternate approaches

I. System Milestone Reviews:

- a. Conducting and documenting internal design reviews
- b. Supporting standards definition and review
- c. Attending and conducting technical meetings/design reviews, and submitting comments and recommendations
- d. Preparing and presenting of technical information for technical conferences/reviews/briefings

J. Configuration Management and Documentation:

Analyzing configuration, design, anomaly resolutions, and procedural changes submitted to change control boards.

K. Systems Engineering Management Plan:

- a. Generating System Engineering Management Plans (SEMP).
- b. Documenting/reviewing system, subsystem and organizational processes in terms of ISO compliance, NASA Standards as well as GSFC GOLD Rules.
- c. Developing or reviewing existing systems engineering tools for applicability as required.

L. Integration, Test, and Verification Services:

- a. Integrating and verifying the flight, ground systems, and science data system

Attachment A

- b. Preparing and executing test plans
- c. Documenting all non-conformances and dispositions
- d. Providing operating manuals, reference documents, training, and launch site support.

M. Launch Site Preparation and Post-Launch support:

- a. Support to flight and ground systems and its support equipment
- b. Interfaces to the mission operations control centers
- c. Technical services to facilitate interfacing with the launch site organization
- d. Development of launch site support requirements
- e. Development of launch site plans and procedures
- f. Support for shipment of the flight hardware and associated support equipment to and from the launch site.
- g. Post-flight summary reports, analyzing the performance of the system during flight.

FUNCTION 3 – RESEARCH AND TECHNOLOGY SERVICES

The contractor shall provide advanced Mission and Instrument Systems Engineering (M&ISE) support for research and technology support to MESAD and related AETD organizations. These services include development, test and analysis work in support of the Research and Technology activities.

The Contractor shall provide Mission and Instrument Systems Engineering (M&ISE) support for project development, documentation, reporting progress, and conformance to appropriate practices and specifications, as called out in the applicable documents and specifications section of this statement of work.

A. Instrument Systems Technology Services

The Contractor shall provide systems engineering services for research, design, development, and testing, and analysis for instrument systems, including:

1. **Instrument Systems Specific Task Orders**– The Contractor shall provide system engineering services for the research and development of advanced analytical, engineering, integration, testing, and software engineering techniques including:
 - a. Instrument Systems Performance modeling
 - b. X-Ray, Ultraviolet, Optical, and Infrared Instrument systems performance testing and analysis
 - c. Particle and field Instrument design development and analysis
 - d. Instrument Systems signal to noise analysis
 - e. Advanced hyperspectral imaging concepts
 - f. Microwave and sub-millimeter wave radiometer advanced concepts and performance modeling
 - g. Lossless and lossy compression algorithms
 - h. Science data archival formats and data distribution methods
 - i. Instrument applications of computational optics
 - j. Synthetic Aperture Radar advanced concepts
 - k. Computational Image enhancement
 - l. Autonomous Instrument systems

B. Instrument Electronics Systems Technology Services

The Contractor shall provide systems engineering services for research, development, test, and analysis of advanced signal processing electronics for space flight systems, including support for language-based microelectronics development.

The Contractor shall provide system engineering services for sensor signal processing technology Task Orders, digital signal processing technology Task Orders, and advanced applications technology Task Orders.

C. Software Systems Technology Services

The Contractor shall provide systems engineering services for the research and development of advanced software topics, including:

1. Automation and artificial intelligence applications
2. Software engineering
3. Distributed processing
4. Internet applications
5. Embedded software systems
6. Scientific data analysis
7. Visualization and virtual environments
8. Data processing, archival and distribution
9. Simulation and modeling
10. Middleware

D. Systems Technology Services

The Contractor shall provide systems engineering services for the research and development of advanced technologies for end-to-end mission architectures, systems, for spacecraft, balloons, UAV's, sounding rockets, instruments, and other platforms, including:

1. Technology validation
2. Technology infusion
3. Technology state-of-the-art and gap analyses
4. Strategic technology planning and road mapping
5. Technology study/proposal support
6. Technology infrastructure/facility requirements planning
7. Technology special studies, including the development and refinement of technology enabled missions
8. Technology tracking, documentation and reporting
9. Technology prototyping

FUNCTION 4 – SUPPORT SERVICES

A. Document Services

The Contractor shall provide documentation services within the scope of this Statement of Work, as specified in Task Orders. Documents shall conform to applicable documents and specifications. These shall include pertinent performance assurance guidelines, quality standards, GSFC standards, documents of other NASA Centers, Federal standards, military standards, and commercial standards.

The Contractor shall provide documentation services, including instrument conceptual designs, program plans, systems analyses, illustrations, technical and implementation plans, test plans, test procedures, test scripts.

The Contractor shall provide up-to-date drawings, specifications, certifications, reports, interface control documents, and agreements.

1. **Document Services Specific Task Orders** – The Contractor shall provide electronic media and document services, including:
 - a. Technical writing
 - b. Editing
 - c. Drafting
 - e. Photographic
 - f. Video
 - g. Reproduction
 - h. Compact Disc (CD), Digital Versatile Disc (DVD)
 - i. Posters and Displays
2. **Photo and Video Specific Task Orders** – The Contractor shall use photos and video for maintenance, engineering, or as documentation to explain a problem. They shall become supplemental to support system repair or future development and maintenance. A scale shall be included to indicate relative dimensions in photographs and/or video, where appropriate.

B. Education Services

The Contractor shall provide education services, including:

1. Supporting the AETD Systems Engineering Education and Development (SEED) program and Science & Engineering Collaboration Program (SECP) as well as the HQ System Engineering Leadership Development Program (SELDP).
2. Supporting educational outreach programs with universities and NASA headquarters.
3. Supporting MESAD and ISTD division or branch-level educational programs and training.

C. Standards and Process Services

The Contractor shall provide support for engineering standards work and engineering process work, including:

1. International Standard Organization (ISO) documentation and process generation.
2. Engineering standards documentation and review.
3. Engineering process documentation.
4. Activities in support of engineering process improvement.

This work shall include providing support for systems engineering capability assessment and improvement services, Task Ordering support of the Systems Engineering Working Group (SEWG), and Systems Engineering process improvement activities.

D. Configuration and Management Services

The Contractor shall provide overall management and oversight of the Configuration Management (CM), Documentation Management (DM), and Quality Control Management (QCM) disciplines throughout the life cycle for formulation and implementation of flight and ground systems provided within the scope of this Statement of Work. Each discipline shall require the development, establishment, and implementation of procedures and processes and establishment of mechanisms and tools for consistency.

The Contractor shall support the planning, identification of processes, and leading GSFC Project efforts in these disciplines. This support shall also include the necessary planning and associated process development for the GSFC Project in meeting conformance requirements to NASA procedures and guidelines as well as the ISO standards.

The main CM/DM/QCM functions shall include:

- Configuration identification, configuration control, configuration accounting and reporting
- Configuration verification and configuration auditing
- Implementation and maintenance of a DM system

The Contractor shall be responsible for providing the necessary tools and databases to accomplish the above functions; developing and establishing procedures and guidelines and training in the configuration management, documentation management, and ISO Q9001-2000 disciplines.

E. Demonstration, Presentation and Conference Services

Attachment A

The Contractor shall provide technology services for M&ISE demonstrations, technical/project/conference presentations, and conference planning/implementation for items within the scope of this Statement of Work, including:

1. **Demonstration Specific Task Orders** – The Contractor shall provide hardware, software, support equipment, and technical services for onsite and offsite demonstrations.
2. **Presentation Specific Task Orders** – The Contractor shall provide materials for inclusion in technical/project/conference presentations, including viewgraphs, information, photographs, etc. In addition, the Contractor shall perform the presentation.
3. **Conference Specific Task Orders** – The Contractor shall support the Government by providing services in the planning and implementation of conferences.

APPLICABLE DOCUMENTS AND SPECIFICATIONS

The contractor shall adhere to all applicable portions of the following documents and/or specifications in the performance of this contract. The latest updated version shall apply:

General:

NPR 7120.5, "NASA Space Flight Program and Project Management Requirements"

NPR 7123.1, "NASA Systems Engineering Processes and Requirements"

GPR 7123.1 "Systems Engineering"

SP-6105, "The NASA Systems Engineering Handbook, December 2007"

GSFC – STD – 1000, "Rules for the Design, Development, Verification and Operations of Flight Systems (GSFC GOLD Rules)"

Launch Vehicles:

AFSPCMAN 91-710, "Range Safety User Requirements Manual"

REFERENCE DOCUMENTS AND SPECIFICATIONS

The following documents and/or specifications are provided as reference material for the performance of this contract. The latest updated version shall apply:

Electro-Static Discharge (ESD) Control:

ANSI/ESD S20.20, "Protection of Electrical and Electronic Parts, Assemblies and Equipment" (excluding electrically initiated explosive devices)

300-PG-8730.6.1, GSFC Electrostatic Discharge (ESD) Control Plan

ATTACHMENT B

**DIRECT LABOR RATES, INDIRECT RATES, AND FEE
MATRICES**

CONTRACT #: NNG15CR66C



Proposing Entity: ATS

1. PRIME DIRECT LABOR RATE MATRIX (For All Task Orders):

#	Labor Categories	E/NE	CY 1 HR Rate	CY 2 HR Rate	CY 3 HR Rate	CY 4 HR Rate	CY 5 HR Rate	CY 6 HR Rate
1	COMP SYS ENG/SYS ADMIN	E	(b) (4)					
2	CONFIGURATION MGMT SPEC	E						
3	DETECTOR/INSTRUMENT SYS ENG	E						
4	EDUCATION OUTREACH SPECIALIST	E						
5	ELECTRICAL ENGINEER 2	E						
6	FLIGHT DYNAMICS ENGINEER 3	E						
7	FLIGHT OPERATIONS SYS ENG 1	E						
8	FLIGHT OPERATIONS SYS ENG 2	E						
9	GN&C ENGINEER 3	E						
10	INTEGRATION & TEST ENGINEER	E						
11	MECHANICAL ENGINEER 2	E						
12	MISSION ASSURANCE & SAFETY MGR	E						
13	MULTIMEDIA PRODUCTION SPEC	E						
14	PROPULSION ENGINEER 2	E						
15	RELIABILITY ENGINEER	E						
16	RF ENGINEER 4	E						
17	SR STAFF ENGINEER - CHIEF	E						
18	SR STAFF ENGINEER 1	E						
19	SR STAFF ENGINEER 2	E						
20	SR SYSTEMS ENGINEER - CHIEF	E						
21	SYSTEMS ENGINEER 1	E						
22	SYSTEMS ENGINEER 2	E						
23	SYSTEMS ENGINEER 3	E						
24	TECHNICAL TYPIST	NE						
25	TECHNICAL WRITER	NE						
26	THERMAL ENGINEER	E						

January 12, 2015



Proposing Entity: ATS

2. PRIME INDIRECT COST RATE MATRIX (For All Task Orders)

Indirect Expenses	CY 1	CY 2	CY 3	CY 4	CY 5	CY 6
Fringe	(b) (4)		(b) (4)		(b) (4)	
Overhead						
G&A						



Proposing Entity: ATS

3. RATES OR FACTORS FROM COST ESTIMATING RELATIONSHIPS (For All Task Orders)

CERs	CY 1	CY 2	CY 3	CY 4	CY 5	CY 6
Program Mgmt Org (PMO)	(b) (4)					
Offsite Facilities Rate						



Proposing Entity: **ATS**

4. PRIME FIXED FEE RATE MATRIX (For All Task Orders)

Fixed Fee Rate	CY 1	CY 2	CY 3	CY 4	CY 5	CY 6
Fixed Fee	(b) (4)					



Proposing Entity: **ATS**

**SECTION 5. SUBCONTRACTOR LOADED LABOR RATE MATRIX (For All Task Orders)
ONSITE RATES**

Labor Categories	CY 1 HR Rate	CY 2 HR Rate	CY 3 HR Rate	CY 4 HR Rate	CY 5 HR Rate	CY 6 HR Rate
COMP SYS ENG/SYS ADMIN						
CONFIGURATION MGMT SPEC						
DETECTOR/INSTRUMENT SYS ENG						
EDUCATION OUTREACH SPECIALIST						
ELECTRICAL ENGINEER 2						
FLIGHT DYNAMICS ENGINEER 3						
FLIGHT OPERATIONS SYS ENG 1						
FLIGHT OPERATIONS SYS ENG 2						
GN&C ENGINEER 3						
INTEGRATION & TEST ENGINEER						
MECHANICAL ENGINEER 2						
MISSION ASSURANCE & SAFETY MGR	No significant subcontractors proposed					
MULTIMEDIA PRODUCTION SPEC						
PROPULSION ENGINEER 2						
RELIABILITY ENGINEER						
RF ENGINEER 4						
SR STAFF ENGINEER - CHIEF						
SR STAFF ENGINEER 1						
SR STAFF ENGINEER 2						
SR SYSTEMS ENGINEER - CHIEF						
SYSTEMS ENGINEER 1						
SYSTEMS ENGINEER 2						
SYSTEMS ENGINEER 3						
TECHNICAL TYPIST						
TECHNICAL WRITER						
THERMAL ENGINEER						



Proposing Entity: ATS

**SECTION 5. SUBCONTRACTOR LOADED LABOR RATE MATRIX (For All Task Orders)
OFFSITE RATES**

Labor Categories	CY 1 HR Rate	CY 2 HR Rate	CY 3 HR Rate	CY 4 HR Rate	CY 5 HR Rate	CY 6 HR Rate
COMP SYS ENG/SYS ADMIN						
CONFIGURATION MGMT SPEC						
DETECTOR/INSTRUMENT SYS ENG						
EDUCATION OUTREACH SPECIALIST						
ELECTRICAL ENGINEER 2						
FLIGHT DYNAMICS ENGINEER 3						
FLIGHT OPERATIONS SYS ENG 1						
FLIGHT OPERATIONS SYS ENG 2						
GN&C ENGINEER 3						
INTEGRATION & TEST ENGINEER						
MECHANICAL ENGINEER 2						
MISSION ASSURANCE & SAFETY MGR	No significant subcontractors proposed					
MULTIMEDIA PRODUCTION SPEC						
PROPULSION ENGINEER 2						
RELIABILITY ENGINEER						
RF ENGINEER 4						
SR STAFF ENGINEER - CHIEF						
SR STAFF ENGINEER 1						
SR STAFF ENGINEER 2						
SR SYSTEMS ENGINEER - CHIEF						
SYSTEMS ENGINEER 1						
SYSTEMS ENGINEER 2						
SYSTEMS ENGINEER 3						
TECHNICAL TYPIST						
TECHNICAL WRITER						
THERMAL ENGINEER						



Proposing Entity: ATS

SECTION 6. POSITION QUALIFICATIONS (For All Prime and Subcontractor Direct Labor Categories)

Position Title	E/NE	Required Education	Required Experience (Years)
COMP SYS ENG/SYS ADMIN	(b) (4)		
CONFIGURATION MGMT SPEC			
DETECTOR/INSTRUMENT SYS ENG			
EDUCATION OUTREACH SPECIALIST			
ELECTRICAL ENGINEER 2			
FLIGHT DYNAMICS ENGINEER 3			
FLIGHT OPERATIONS SYS ENG 1			
FLIGHT OPERATIONS SYS ENG 2			
GN&C ENGINEER 3			
INTEGRATION & TEST ENGINEER			
MECHANICAL ENGINEER 2			
MISSION ASSURANCE & SAFETY MGR			
MULTIMEDIA PRODUCTION SPEC			
PROPULSION ENGINEER 2			
RELIABILITY ENGINEER			
RF ENGINEER 4			
SR STAFF ENGINEER - CHIEF			
SR STAFF ENGINEER 1			
SR STAFF ENGINEER 2			
SR SYSTEMS ENGINEER - CHIEF			
SYSTEMS ENGINEER 1			
SYSTEMS ENGINEER 2			
SYSTEMS ENGINEER 3			
TECHNICAL TYPIST			
TECHNICAL WRITER			
THERMAL ENGINEER			
(b) (4)			

ATTACHMENT C

FINANCIAL MANAGEMENT REPORTING REQUIREMENTS

General

Financial Management Reports shall be submitted by the Contractor on the NASA 533 series reports, in accordance with the instructions on the reverse of the forms, NASA Procedural Requirements NPR 9501.2E entitled "NASA Contractor Financial Management Reporting, dated May 27, 2011, and additional instructions issued by the Contracting Officer.

a. Level of Detail

The Contractor's 533 reports shall contain a summary of total contract costs, as well as a separate 533 sheet for each Task Order. The reports shall contain a breakdown of each service area by the elements of cost listed below.

The government reserves the right to require a lower level of 533 reporting for particular Task Orders on a case by case basis as specified by the Contracting Officer. The purpose of this is to allow the government to separate costs on Task Orders that support multiple WBS elements on in-house instruments and/or missions.

b. Distribution

The Contractor shall distribute 533 reports to each addressee indicated in the Basic Contract Clause G.5 FINANCIAL MANAGEMENT REPORTING. The Contractor shall submit an initial report in the NF 533Q format within 30 working days after contract award.

After the initial report, the NF 533M reports shall be distributed not later than the tenth (10th) working day following the close of the contractors' monthly accounting period. The 533Q reports shall be distributed not later than the 15th day of the month preceding the quarter being reported.

c. Reporting Requirements

Each report shall provide cost data for reporting categories presented below:

1. Prime Direct Labor Hours:

Onsite
(List applicable labor categories)

Offsite
(List applicable labor categories)

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Total Direct Labor Hours Onsite
Total Direct Labor Hours Offsite
Total Prime Direct Labor Hours

2. Subcontractor Direct Labor Hours:

Onsite
(List applicable labor categories)

Offsite
(List applicable labor categories)

Total Direct Labor Hours Onsite
Total Direct Labor Hours Offsite
Total Subcontractor Direct Labor Hours

3. Prime Direct Labor Dollars:

Onsite
(List according to applicable labor categories)

Offsite
(List according to applicable labor categories)

Total Direct Labor Dollars Onsite
Total Direct Labor Dollars Offsite
Total Prime Direct Labor Dollars

4. Overhead Expenses:

Onsite Overhead
Offsite Overhead
Total Prime Overhead

5. Other Direct Costs (ODCs):

- a. Subcontracts (list separately)
- b. Material
- c. Travel
- d. Other (specify)

Total ODCs

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6. Subtotal (Labor, Overhead & ODCs)
7. G&A Expense
8. Total Estimated Cost
9. Fixed Fee
10. Total Cost-Plus-Fixed-Fee (CPFF)

The 533 for each Task Order shall report direct labor hours by category.

d. Other Special Reports

The Contractor shall submit as required, special cost or workforce reports either in the areas of actuals, projections or both. These reports may take the form of labor, overhead, other direct charges, billing analyses or other business information. When required, specific instructions will be provided by the Contracting Officer.

e. Additional Requirements

1. Before the summary 533 sheet, the Contractor shall submit a financial summary containing a one-line summary for all Task Orders on the contracts. It shall include the following columns:

Task Order Number
Status
Cumulative to Date Actual \$
Cumulative to Date Actual \$ Plus Month 1 planned \$
Contractor Estimate \$
Cumulative to Date Planned Hours
Cumulative to Date Actual On-site Hours (Including Subs)
Cumulative to Date Actual Off-site Hours (Including Subs)

2. In addition to the hardcopy of the summary sheet, the Contractor shall provide the summary sheet in an e-mail file or on a CD as a comma-delimited text file. Below are the requirements:

The contractor cost data for import into the Contractors Resources Tracking System (CORTS) application will come from the contractor as a comma-delimited text file. The layout of this import file is shown in the table below.

Only one contract can be included in one import file.

Two types of data will be included in the import file: column title and column data.

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Column titles must be provided in the first row for each data column in the **import file**. The name and order of each column title must be exactly the same as illustrated in the “**Column Title in File**” column in the table below, with a comma as a delimiter. **NOTE:** Do not use the names in the “Data Element Name” column as the column titles for the data columns in the file being sent for import.

Column data will be provided beginning with the second row. A data element must be in each column/row in the import file. The order of each column data must be exactly the same as illustrated in the “Column Title in File” column in the table below, with a comma as a delimiter.

The Report Ending Date is in the MM/YYYY format and must be the previous month of the current import date. If it’s not, no data will be imported into CORTS.

When a Task Order/sub task number exists, the associated subtask accrued cost amount fields will be overwritten with the corresponding amounts in the import file. The pro-rate rules will then be applied to all subtask detail records

When a subtask number does not exist, a new subtask record and associated subtask detail record will be created.

No deletion will be performed in this process.

Data Element Name	Column Title In File	Type	<u>Size</u>	Value (0-optional, 9-mandatory)	Mandatory	Comments
Report Ending Date	Report Date	Text	7	“99/9999”	Yes	Must be the previous month of the current import date.
Contract Number	ContractNo	Text	10	"NNG0999999 "	Yes	
Task Order Number	Task Order Number	Text	4	“0009”	Yes	
Subtask Number	Subtask	Text	2	“09”	Yes	
Cumulative Cost	CumCost	Numeric	15.2	000000009	Yes	0 if no cumulative cost
Accrued Cost	AccruedCost	Numeric	15.2	000000009	Yes	0 if no accrued cost
Cost Estimate	CostEstimate	Numeric	15.2	000000009	Yes	0 if no cost estimate
Hours Estimated	EstHours	Numeric	9.2	000000009	Yes	0 if no hours estimated
On Site Hours	OnSiteHours	Numeric	9.2	000000009	Yes	0 if no on-site hours
Off Site Hours	OffSiteHours	Numeric	9.2	000000009	Yes	0 if no off-site hours

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The contractor shall use the NASA Task Order Management System (NASATOMS) for submitting individual Task Plans in PDF format.

DEPARTMENT OF DEFENSE		1. CLEARANCE AND SAFEGUARDING		
CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort)</i>		a. FACILITY CLEARANCE REQUIRED:	TOP SECRET	
		b. LEVEL OF SAFEGUARDING REQUIRED:	NONE	
2. THIS SPECIFICATION IS FOR: (X and complete as applicable)		3. THIS SPECIFICATION IS: (X and complete as applicable)		
X	a. PRIME CONTRACT NUMBER NNG15CR66C	X	a. ORIGINAL <i>(Complete date in all cases)</i> 20150819	
	b. SUBCONTRACT NUMBER		b. REVISED <i>(Supersedes all previous specs)</i> Revision No. 1 Date (YYYYMMDD) 20160226	
	c. SOLICITATION OR OTHER NUMBER DUE DATE (YYYYMMDD)	c. FINAL <i>(Complete item 5 in all cases)</i> Date (YYYYMMDD)		
4. IS THIS A FOLLOW-ON CONTRACT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO, If yes, complete the following: Classified material received or generated under NNG10CR16C (Preceding Contract Number) is transferred to this follow-on contract				
5. IS THIS A FINAL DD FORM 254 <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO, If yes, complete the following: In response to the contractor's request dated _____ retention of the classified material is authorized for the period of:				
6. CONTRACTOR <i>(Include Commercial and Government Entity (CAGE) Code)</i>				
a. NAME, ADDRESS, AND ZIP CODE Alcyon Technical Services JV, LLC 4801 University Square, Suite 31 Huntsville, Alabama, 35816		b. CAGE CODE 78KN4	c. COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i> Defense Security Service (IOFSH) 1525 Perimeter Parkway, Suite 425 Huntsville, Alabama, 35806	
7. SUBCONTRACTOR				
a. NAME, ADDRESS, AND ZIP CODE		b. CAGE CODE	COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>	
8. ACTUAL PERFORMANCE				
a. LOCATION NASA Goddard Space Flight Center(GSFC) 8800 Greenbelt Road Greenbelt, MD 20771		b. CAGE CODE	COGNIZANT SECURITY OFFICE <i>(Name, Address, and Zip Code)</i>	
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT: This contract is to provide global satellite transmission services as specified in the statement of work associated with the respective task order.				
10. CONTRACT WILL REQUIRE ACCESS TO		11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:		
	YES	NO	YES	NO
a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	X		a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTORS FACILITY OR GOVERNMENT ACTIVITY	X
b. RESTRICTED DATA		X	b. RECEIVE CLASSIFIED DOCUMENTS ONLY	X
c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION		X	c. RECEIVE AND GENERATE CLASSIFIED MATERIAL	X
d. FORMERLY RESTRICTED DATA		X	d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE	X
e. INTELLIGENCE INFORMATION			e. PERFORM SERVICES ONLY	X
(1) Sensitive Compartmented Information (SCI)	X		f. HAVE ACCESS TO US CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES	X
(2) Non-SCI	X		g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER	X
f. SPECIAL ACCESS INFORMATION		X	h. REQUIRE A COMSEC ACCOUNT	X
g. NATO INFORMATION		X	i. HAVE TEMPEST REQUIREMENTS	X
h. FOREIGN GOVERNMENT INFORMATION		X	j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	X
i. LIMITED DISSEMINATION INFORMATION		X	k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	X
j. FOR OFFICIAL USE ONLY INFORMATION	X		l. OTHER (specify) SEE ITEM #13	
k. OTHER (Specify)	X			

12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release.

DIRECT THROUGH (Specify)

NASA/Goddard Space Flight Center Code 130/Public Affairs Office Greenbelt, MD 20771

*In the case of non-DoD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. *(Fill in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/extracts referenced herein. Add additional pages as needed to provide complete guidance.)*

In the performance of this contract, some personnel may require access to classified information up to the Top Secret/SCI. The Contractor must have sufficient number of cleared employee's assigned duties under this contract to be able to complete all classified work assignments up to and including Top Secret/SCI.

1. DOD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM) Chg.1 (03/28/13)
2. NPR 1600.1A, NASA Security Program Procedural Requirements (08/12/2013)
3. NPR 1600.2 NASA Classified National Security Information (CNSI) w/Change 2 (2/12/2014)
4. NPR 1600.3 Personnel Security (Change 2, April 29, 2013)
5. NPR 1600.4 Identity and Credential Management (08/1/2012)
6. NPR 1620.2A Facility Security Assessments (10/4/2012)
7. NPR 1620.3A Physical Security Requirements for NASA Facilities and Property (10/4/2012)
8. NPR 1660.1C, NASA Counterintelligence (CI)/Counterterrorism (CT), (Revalidated w/Chg.1) (5/28/2015)
9. NPR 2810.1A, Security of Information Technology, (Revalidated w/Chg 2) (04/23/2012)
10. NPD 1600.2E, NASA Security Policy Revalidated w/Chg.1) (04/02/2015)
11. NPD 1600.4 National Security Programs (09/01/2012)
12. NPD 2810.1E NASA Information Security Policy, (07/14/2015)


14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract YES NO
(If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies additional requirements. Provide a copy of the requirements to the cognizant security office. Use Item 13 if additional space is required.)

15. INSPECTIONS. ELEMENTS OF THIS CONTRACT ARE OUTSIDE THE INSPECTION RESPONSIBILITY OF THE COGNIZANT SECURITY OFFICE. YES NO
(If yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use Item 13 if additional space is needed.)

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (Include Area Code)
Jeffrey W. Barrett	Industrial Security Specialist	301-286-0725

d. ADDRESS (Include Zip Code)
NASA Goddard Space Flight Center
Protective Services Division/Code 240
B26/RM. N150
Greenbelt, MD 20771

e. SIGNATURE


17. REQUIRED DISTRIBUTION

<input checked="" type="checkbox"/>	a. CONTRACTOR
<input type="checkbox"/>	b. SUBCONTRACTOR
<input checked="" type="checkbox"/>	c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
<input type="checkbox"/>	d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
<input checked="" type="checkbox"/>	e. ADMINISTRATIVE CONTRACTING OFFICER
<input type="checkbox"/>	f. OTHERS AS NECESSARY
<input checked="" type="checkbox"/>	NASA Headquarters, Office of Protective Services.

Block 13# Continued

13. **NM 1600-55 Sensitive But Classified (SBU) Controlled Information**
14. **GPR 1600.1A, Goddard Security Requirements, (02/21/2014)**
15. **GPR 1600.2 NASA Classified National Security Information (CNSI) (12/11/2013)**
16. **GPR 1600.3 Protective Service Division Personnel Security (12/12/2013)**
17. **GPR 1600.4 Identity and Credential Management (12/04/2013)**
18. **Federal Information Security Modernization Act of 2014**
19. **OMB Circular A.130, Appendix III, Security of Federal Automated Information Resources**
20. **Intelligence Community Directive Number 705 (17 Sept 2010)**
21. **Intelligence Community Directive Number 704 (01 Oct 2008)**
22. **Intelligence Community Directive Number 703 (21 Jun 2013)**
23. **NSA/CSS Policy Manual 3-16, Control of COMSEC dated (08/05/05)**
24. **Committee on National Security Systems Instructions (CNSSI No. 4005) (08/22/2011)**

The company Alcyon Technical Services JV, LLC, will provide global Satellite transmission services.

ATTACHMENT E

SAFETY AND HEALTH PLAN

CONTRACT #: NNG15CR66C

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ATTACHMENT F

QUALITY ASSURANCE PLAN

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SEAS Contract



NNG15CR66C

**ATS JV, LLC
Information Technology Security
Management Plan**

For The

**Systems Engineering and Advanced
Services Contract (SEAS)**

**Alcyon Technical Services JV, LLC
4801 University Square, Suite 31
Huntsville, Alabama 35816**

**Issue Date: 09/29/2015
Effective Date 11/15/15**

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SEAS Contract



NNG15CR66C

**ATS JV, LLC
Organizational Conflicts of Interest
Avoidance Plan**

For The

**Systems Engineering and Advanced
Services Contract (SEAS)**

**Alcyon Technical Services JV, LLC
4801 University Square, Suite 31
Huntsville, Alabama 35816**

**Issue Date: 09/29/2015
Effective Date 11/15/15**

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APPENDIX D

SEAS

SAMPLE OCI AVOIDANCE PLAN

(For Illustrative Purposes)

ADDENDUM 1 FOR TASK (#TBD)

TASK TITLE

Signature/Approval Page

Prepared by:

Name /Title

Signature

Date

Approved by:

Name /SEAS Program Manager

Signature

Date

Name /SEAS Business Manager

Signature

Date

Name /Task Lead

Signature

Date

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LIST OF EXHIBITS

Exhibit 1. Graphical Representation of Addendum Implementation.	OCI-F-8
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ATTACHMENT I

**INSTALLATION – ACCOUNTABLE GOVERNMENT
PROPERTY**

CONTRACT #: NNG15CR66C

Attachment : Government Property Available - BEAS

ECN	Equipment Description	Manufacturer Name	Model Number	Manufacturer Serial No.	Location	Room	End User Org. Code	Acquisition Value
3078777	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PCS LTD	PPO4X	581V51	GS-011	E138	596	\$2,585.00
2168586	COMPUTER, MICRO	BROADAX SYSTEMS INC	RM56151B	102858	GS-028	B28/N276	596	\$2,875.00
3039559	COMPUTER, MICRO	BROADAX SYSTEMS INC	RM56151B	831020703	GS-011	S001	596	\$2,710.00
3069215	COMPUTER, MICRO	CYBER RESEARCH INC	NONE	48051	GS-028	N276	596	\$3,477.00
3077977	COMPUTER, MICRO	DELL COMPUTER CORP F-PCS LTD	DTA	F5071D1	GS-011	E138	596	\$94.00
3069661	COMPUTER, MICRO	L2S GLOBAL SERVICES INC.	NONE	62256628	GS-011	E138	596	\$1,319.00
2374753	COMPUTER, MICRO	SUPER LOGICS	SL-OK-P8H6L-1D	71700007	GS-011	E138	596	\$2,311.00
3076513	COMPUTER, MICRO, RACKMOUNTED	ADVANTECH CORP	610	AC6001949	GS-001	12	596	\$1,569.00
2374253	COMPUTER, RACKMOUNT	SUPERLOGICS INC	SL-4U-H77KC-HA	424700105	GS-011	E138	596	\$1,157.00
2374254	COMPUTER, RACKMOUNT	SUPERLOGICS INC	SL-4U-H77KC-HA	424700104	GS-011	E138	596	\$1,157.00
2374255	COMPUTER, RACKMOUNT	SUPERLOGICS INC	MTFL-RM-SW75-2	13080001	GS-011	E138	596	\$28,300.00
2502213	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	2000FP	TW09E249*663536C0GYL	GS-011	E138	596	\$1,000.00
3069658	DISPLAY UNIT	L2S GLOBAL SERVICES INC.	RM19-AN-01	51507675	GS-029	150	596	\$1,224.00
2159658	DISPLAY UNIT	SONY CORP OF AMERICA	SDM-S81	4002266	GS-011	S138B	596	\$812.00
2094916	LATHE	COLCHESTER LATHE CO INC	STUDENT2500	306521	GS-011	S138B	596	\$12,033.00
2173480	MILLING MACHINE	WABCO CONSTRUCTION AND MINING	XTG350-20	50395453	GS-011	S138B	596	\$14,759.00
2173801	OSCILLOSCOPE	TEKTRONIX INC	MS04104	C008181	GS-011	E138	596	\$15,980.00
2173033	POWER SUPPLY	AGILENT TECHNOLOGIES INC	6627A	5G4000273	GS-011	S001	596	\$8,450.00
2173034	POWER SUPPLY	AGILENT TECHNOLOGIES INC	6627A	5G4000271	GS-011	E138	596	\$8,450.00
2173035	POWER SUPPLY	AGILENT TECHNOLOGIES INC	6627A	5G4000272	GS-011	S392C	596	\$8,450.00
2339556	POWER SUPPLY	KEPCO INC	NONE	135608	GS-011	E138	596	\$35,000.00
233857	POWER SUPPLY	KEPCO INC	NONE	135609	GS-011	E138	596	\$35,000.00
2339558	POWER SUPPLY	KEPCO INC	NONE	135593	GS-011	E138	596	\$35,000.00
3036450	PRINTER, ADP, LASER	HEWLETT-PACKARD CO	Q2173A	CNLF088891	GS-011	S111A	596	\$999.00
3079647	PRINTER, ADP, LASER	HEWLETT-PACKARD CO	C2756A	CNDX802446	GS-011	S241	596	\$2,539.00
2622662	COMPUTER, TABLET	APPLE COMPUTER INC	A121B	6B0447N1Z3A	GS-011	S124	597	\$593.00
2501283	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1901FP	CN05Y2371618381B088	GS-011	S124	597	\$587.00
3009442	PRINTER, I-C, LASER	HEWLETT-PACKARD CO	Q2475A	SCN89164966	GS-011	S109	597	\$1,100.00
2550452	CAMERA	MESA IMAGING	SR400	40000132	GS-005	E90	5910	\$9,154.00
2515788	CONTROLLER	ULTRA ELECTRONICS	544-G31810	1.01923E+11	GS-028	N274C	5910	\$5,540.00
2519751	CONTROLLER	ULTRA ELECTRONICS	544-G2132	101923	GS-028	N274C	5910	\$11,876.00
2392135	DISK ARRAY	HEWLETT-PACKARD CO	LH52AV	21JA23201M2	GS-011	E142	5910	\$13,188.00
2519798	DISK ARRAY	SGI	R-200 3802	MLW789	GS-028	N210	5910	\$3,008.00
3038301	DISK DRIVE UNIT	SILICON GRAPHICS INC	SLGR034	33525183740	GS-028	N210	5910	\$1,812.00
2170983	DISPLAY UNIT	APPLE COMPUTER INC	A1083	CY635129VX1	GS-028	N274C	5910	\$2,283.00
3068056	DISPLAY UNIT	SONY CORP OF AMERICA	SDM-P232W	5708119	GS-GSFC52	#	5910	\$3,647.00
2168644	DISPLAY UNIT, 3D VISUALIZATION	BARCO ELECTRONICS INC	TRACE	NONE	GS-028	N210	5910	\$120,800.00
2520605	JOYSTICK, GIMBAL	ULTRA ELECTRONICS	544-G3363	109802	GS-011	S108	5910	\$5,591.00
2520606	JOYSTICK, GIMBAL	ULTRA ELECTRONICS	544-G3361	109827	GS-011	S108	5910	\$10,892.00
3076514	JOYSTICK, GIMBAL	ULTRA ELECTRONICS	544-G1159	109676	GS-011	S108	5910	\$10,552.00
3012329	AMPLIFIER, VIDEO	KISTLER INSTRUMENT CORP	5017B1801	1227677	GS-011	S138C	5960	\$18,185.00
1820844	ANALYZER	HEWLETT-PACKARD CO	E4452A	U53721064	GS-011	S332C	5960	\$16,625.00
2373617	ANALYZER	TIMING SOLUTIONS CORP	TSC 5110A	134102	GS-011	S332C	5960	\$16,670.00
3097209	ANALYZER, CHEMICAL	AQUEOUS TECH	ZI-100A	7288	GS-011	E124B	5960	\$18,600.00
6036462	ANALYZER, FREQUENCY RESPONSE	SCHLUMBERGER LTD	1250	302992	GS-011	S332B	5960	\$18,348.00
2042587	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	1670G	US40150245	GS-011	S332B	5960	\$13,410.00
2168426	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	16909A	5G43002401	GS-011	E120	5960	\$55,242.00
2175319	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	16801A	5G50010101	GS-011	E125	5960	\$9,464.00
2176466	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	16802A	5G50010101	GS-011	E138	5960	\$12,078.00
3015551	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	1670ZB	5G42001003	GS-011	E125	5960	\$45,900.00
3080139	ANALYZER, LOGIC	AGILENT TECHNOLOGIES INC	16508A	5G46230101	GS-011	S392C	5960	\$15,166.00
1414988	ANALYZER, LOGIC	HEWLETT-PACKARD CO	16700A	US84510793	GS-011	S332B	5630	\$8,262.00
2091520	ANALYZER, LOGIC	HEWLETT-PACKARD CO	16700A	US39150174	GS-011	E112A	5960	\$30,151.00
2394156	ANALYZER, NETWORK	AGILENT TECH INC	E5071C	5G46300980	GS-011	S392C	5960	\$69,454.00
1750570	ANALYZER, NETWORK	HEWLETT-PACKARD CO	8753D	3430407257	GS-011	S392C	5960	\$69,454.00
2325905	ANALYZER, SPECTRUM	AGILENT TECHNOLOGIES INC	E4407B	5G50140125	GS-007	EMI	5130	\$42,560.00
1752411	ANALYZER, SPECTRUM	HEWLETT-PACKARD CO	8561E	3623A01513	GS-011	E112	5960	\$39,513.00
2042685	ANALYZER, SPECTRUM	JOHDE UND SWARZ	F5EM30	836531-010	GS-011	E130	5960	\$30,020.00
2593794	ANALYZER, TIMING INTERVAL	SYMMETRICOM INC	S125A	160142	GS-011	S332C	5960	\$51,686.00
3070428	ARRAY, REWORK SYSTEM	METCAL INC	5000-XLS	201	GS-011	E124	5960	\$33,149.00

Attachment I Government Property Available - SEAS

ECN	Equipment Description	Manufacturer Name	Model Number	Manufacturer Serial No.	Location	Room	End User Org. Code	Acquisition Value
3075469	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PCS LTD	DCTA	7CKFD81	GS-011	E124B	5960	\$1,175.00
3075472	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PCS LTD	DCTA	2C7FE31	GS-011	S332E	5960	\$1,175.00
3075475	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PCS LTD	DCTA	6C7FD81	GS-011	E112	5960	\$1,175.00
2171598	COMPUTER, RACKMOUNT	CORE MICROSYSTEMS	11121-3U001-01	09039-180209-007	GS-LRLVHHS	#	5960	\$2,254.00
2171599	COMPUTER, RACKMOUNT	CORE MICROSYSTEMS	11121-3U001-01	09039-180209-001	GS-LRLVHHS	1	5960	\$2,254.00
2171649	COMPUTER, RACKMOUNT	LSZ GLOBAL SERVICES INC.	IPC4E52-0	320811C8051005	GS-LRLVHHS	#	5960	\$2,077.00
2371051	COMPUTER, RACKMOUNT	MICRO-TEL CORP	MTEL-RM-SWTS-2	1907009	GS-011	E138	5960	\$15,400.00
2333219	COMPUTER, RACKMOUNT	PUGET CUSTOM COMPUTERS	4U22EP650	102078-1	GS-011	S332E	5960	\$1,450.00
2333220	COMPUTER, RACKMOUNT	PUGET CUSTOM COMPUTERS	4U22EP650	102078-2	GS-011	S332E	5960	\$1,450.00
1756094	CONTROLLER	NEWPORT CORP	MM3000	1307	GS-011	S139C	5960	\$5,312.00
2044821	COUNTER	FLUKE CORP	PM6681R	5M767737	GS-011	S332C	5960	\$16,100.00
2175120	DATA ACQUISITION SYSTEM	ASTRO-MED INC	D75H HF20	09H0075	GS-011	S332B	5960	\$11,475.00
2175977	DATA ACQUISITION SYSTEM (LAPCAT III)	DELL COMPUTER CORP F-PCS LTD	PP08L	271PR61	GS-011	S122	5960	\$1,000.00
2109384	DISPLAY UNIT	ACER INC	FP895	047018181D81WU	GS-011	S332	5960	\$1,182.00
2328622	DISPLAY UNIT	APPLE COMPUTER INC	A1407	C0209C3X01GR	GS-022	341	5960	\$898.00
1628057	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	2001FP	CN0C06464663348526VL	GS-011	S332C	5960	\$898.00
1673758	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	2001FP	CN0C06464663353D2Y3L	GS-011	S332E	5960	\$898.00
2103184	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	2000FP	TW0E72494663324H1049	GS-011	E124	5960	\$1,587.00
2165256	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1703FP	MX02Y31147605492AW34	GS-011	E112	5960	\$540.00
2501272	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1903FP	CN05Y232716183L1BDJT	GS-011	S232H	5960	\$587.00
2901284	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1901FP	CN05Y232716183L1BDQH	GS-011	S137A	5860	\$587.00
2902152	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1900FP	MX0913674780535FA9AF	GS-034	S186A	5960	\$671.00
3013940	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1900FP	091367	GS-011	S130	5960	\$805.00
3036461	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1801FP	MX0X11064832542110Q2L	GS-011	S332C	5960	\$579.00
3098109	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	2001FP	CN0C0646466333C90RL	GS-011	S332C	5960	\$921.00
3067902	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1905FP	CN0T81167161844886FP9	GS-011	S232F	5960	\$649.00
3067934	DISPLAY UNIT	DELL COMPUTER CORP F-PCS LTD	1905FP	CN0T811671618447A909	GS-011	S137A	5960	\$649.00
2115123	DISPLAY UNIT	FUJITSU AMERICA INC	FDS4221W-H	8715956	GS-011	E124C	5960	\$1,840.00
1942400	DISPLAY UNIT	GATEWAY COMPANIES INC	CS1527FSG	MH1525002430	GS-011	E121D	5960	\$500.00
1522907	DISPLAY UNIT	GATEWAY COMPANIES INC	DK175	MH2754111125	GS-011	E112A	5960	\$500.00
2169205	DISPLAY UNIT	GATEWAY COMPANIES INC	FPD2185W	MHWAS50N04556	GS-011	S332C	5960	\$620.00
2174546	DISPLAY UNIT	GENERAL TECHNICS	NONE	5108K0227	GS-023	E320	5960	\$1,395.00
2174547	DISPLAY UNIT	GENERAL TECHNICS	NONE	AS108K0228	GS-023	E320	5960	\$1,395.00
2324778	DISPLAY UNIT	HEWLETT-PACKARD CO	2R30W	CN412105Y0	GS-011	S112	5960	\$1,259.00
215903	DISPLAY UNIT	NEC CORP	LCD1850E	203217057	GS-011	S332C	5960	\$780.00
3037125	DISPLAY UNIT	NEC CORP	LCD1830	35011050YAR	GS-011	S130	5960	\$2,391.00
3015811	DISPLAY UNIT	PLANAR ADVANCE INC	997-2297-00	22N232600015	GS-011	E120	5960	\$988.00
2168209	DISPLAY UNIT	SAMSUNG ELECTRONICS	213T	N9211CHV600014	GS-011	S232H	5960	\$700.00
3012995	DISPLAY UNIT	SONY CORP OF AMERICA	SDM-S81	4017423	GS-011	S332D	5960	\$372.00
3068220	DISPLAY UNIT	VIEWSONIC CORP/ DIV KEYPOINT	VS10138-1W	E0C040801264	GS-011	S332C	5960	\$1,208.00
2111560	DISPLAY UNIT	XENON CORP	XEN-1810E	MAF00964K10E	GS-011	S332	5960	\$750.00
2112895	DISPLAY UNIT	XEROX CORP	XEN-1810E	MAF00797M0E	GS-011	S332	5960	\$798.00
2172074	FREEZER	SCIENTEMP	85-3-1A	58002959	GS-011	E124A	5960	\$5,045.00
2373517	FREQUENCY, STANDARD	SYMMETRICOM INC	CS4000	1318009403	GS-011	E114	5960	\$37,605.00
1817081	GAUSSMETER	BELL F W INC	9953	306658	GS-011	E112	5960	\$6,505.00
1524514	GENERATOR	TEKTRONIX INC	AWG2021	J310446	GS-019	N034	5960	\$11,589.00
2178598	GENERATOR, PULSE	AGILENT TECHNOLOGIES INC	81104A	MY4802754	GS-011	S332C	5960	\$9,785.00
2623614	GENERATOR, SIGNAL	AGILENT TECHNOLOGIES INC	N51828	5653050002	GS-011	S220	5960	\$26,419.00
1756152	GENERATOR, SIGNAL	HEWLETT-PACKARD CO	8679C	3623102617	GS-011	S332C	5960	\$8,422.00
2168427	GENERATOR, SIGNAL	RHODE & SCHWARZ	SMLO3	102357	GS-011	E114	5960	\$9,813.00
3067875	GENERATOR, SIGNAL	RHODE & SCHWARZ	SMIQQD-1125.5955K03	102358	GS-011	S332C	5960	\$22,448.00
3068229	GENERATOR, SIGNAL	RHODE & SCHWARZ	SMLO3	102006	GS-011	S332C	5960	\$11,546.00
2309178	GENERATOR, SIGNAL	ROHDE AND SCHWARZ INC F-ROHDE	SMR20	8385037021	GS-011	E138	5960	\$10,810.00
2114838	GENERATOR, SIGNAL	ROHDE AND SCHWARZ INC F-ROHDE	SM1C03B	101069	GS-011	S332C	5960	\$24,758.00
2333895	GENERATOR, WAVEFORM	TEKTRONIX INC	AWG7122C	8050220	GS-011	E130	5960	\$80,347.00
2173672	GLOBAL POSITIONING UNIT	SPIRENT FEDERAL SYSTEMS INC.	STR 4500	2246	GS-011	S332C	5960	\$36,373.00
2173673	GLOBAL POSITIONING UNIT	SPIRENT FEDERAL SYSTEMS INC.	STR 4500	2246	GS-011	S332C	5960	\$36,373.00
3038551	INTERNAL REFERENC UNIT, MGMT ON	APPLIED TECHNOLOGY ASSOC. INC	MTRU 1	NONE	GS-011	S137A	5960	\$599,906.00
2168243	LASER	LOSTAM INC.	LAS200	4563836	GS-011	S130A	5960	\$29,030.00
2176592	LASER, MULTICHANNEL	BRUEL & KJAER NORTH AMERICA	LAS210	8494007	GS-011	S130A	5960	\$6,186.00

Attachment 1 Government Property Available - SEAS

ECN	Equipment Description	Manufacturer Name	Model Number	Manufacturer Serial No.	Location	Room	End User Org. Code	Acquisition Value
98186	MAGNETIC SHIELD ENCLOSURE	GODDARD SPACE FLIGHT CENTER	NONE	NONE	GS-011	S138C	5860	\$6,185.00
3013430	MEASURING, FORCE, PLATE	KISTLER INSTRUMENT CORP	9258812U	1218182	GS-011	S138C	5860	\$23,200.00
188355	MICROPROCESSOR	TEKTRONIX INC	8541	8030306	GS-011	S138	5860	\$84,766.00
2164487	MICROSCOPE, OPTICAL	OX INTERNATIONAL COMPUTERS INC	VPH-XL	28	GS-011	E124	5750	\$25,000.00
2622094	MODULE, OPTICAL	AGILENT TECH INC	N4438A	10047	GS-011	S392C	5960	\$17,545.00
2176932	MONITOR, TELEVISION	NEC INFORMATION SYSTEMS INC	6461	08000778N	GS-011	E137A	5860	\$1,050.00
2173820	MONITOR, VIDEO	LENOX INSTRUMENT CO INC	LJL-C-15HS	CH900761R	GS-011	E124C	5860	\$1,875.00
459033	OPTICAL DIVIDG HEAD	INTERNATIONAL MACHINE AND TOOL	NONE	528	GS-LRLWHS	L4	5860	\$7,761.00
459046	OPTICAL HEAD	LEITZ ERNST GMBH	OTEMA	634065	GS-011	S138C	5870	\$5,900.00
2323944	OPTICAL, TABLE	NEWPORT CORP	NONE	NONE	GS-LRLWHS	4	5860	\$10,000.00
2323945	OPTICAL, TABLE	NEWPORT CORP	NONE	NONE	GS-LRLWHS	4	5860	\$10,000.00
2373509	OSCILLATOR, SWEEP	SYMMETRICOM INC	TSC5125A	AP485951330	GS-011	E114	5860	\$34,995.00
1522875	OSCILLOSCOPE	TEKTRONIX INC	TDS714A	3012161	GS-011	E124C	5860	\$16,862.00
1527498	OSCILLOSCOPE	TEKTRONIX INC	TDS640A	8020578	GS-011	S332B	5860	\$11,877.00
1700708	OSCILLOSCOPE	TEKTRONIX INC	TDS746A	0740144	GS-011	S392C	5860	\$16,241.00
3034968	OSCILLOSCOPE	TEKTRONIX INC	TDS 784D	8032960	GS-011	E112	5860	\$26,394.00
2111978	OSCILLOSCOPE	TEKTRONIX INC	TDS 3054	8021111	GS-011	E114	5860	\$9,295.00
2111979	OSCILLOSCOPE	TEKTRONIX INC	TDS 3054	8021109	GS-011	S232H	5860	\$9,295.00
2112766	OSCILLOSCOPE	TEKTRONIX INC	TDS784D	8041685	GS-011	E112	5860	\$21,128.00
2173802	OSCILLOSCOPE	TEKTRONIX INC	MS04104	C005179	GS-011	E120	5860	\$15,980.00
2173803	OSCILLOSCOPE	TEKTRONIX INC	MS04104	C005182	GS-005	W0000	5860	\$15,980.00
2173804	OSCILLOSCOPE	TEKTRONIX INC	MS04104	C008185	GS-005	W0000	5860	\$15,980.00
2175287	OSCILLOSCOPE	TEKTRONIX INC	DP03054	C011359	GS-011	E114	5860	\$15,980.00
2375650	OSCILLOSCOPE	TEKTRONIX INC	DP07354C	CL44254	GS-011	E120	5860	\$11,020.00
2551277	OSCILLOSCOPE	TEKTRONIX INC	DP07254	B056040	GS-011	HIGH-BAY	5860	\$98,475.00
2551278	OSCILLOSCOPE	TEKTRONIX INC	DP07254	B057067	GS-02B	150	5860	\$23,200.00
3069459	OSCILLOSCOPE	TEKTRONIX INC	TDS3054B	8034195	GS-011	E112	5860	\$8,749.00
3075505	OSCILLOSCOPE	TEKTRONIX INC	DP07254	B021605	GS-011	E125	5860	\$24,948.00
3077776	OSCILLOSCOPE	TEKTRONIX INC	DP07254	B055048	GS-011	S392C	5860	\$23,122.00
2521001	OSCILLOSCOPE	TEKTRONIX INC	DP078004	B041338	GS-011	S392C	5870	\$65,221.00
2038576	OVEN, REFLOW*SOLDERING	ESSEMTEC AG	RD-06E	7226	GS-011	E124	5860	\$5,995.00
2521000	POWER SUPPLY	KIKUSUI AMERICA INC	ACL20V	M1003629	GS-011	E130	5860	\$7,075.00
3076250	POWER SUPPLY	KIKUSUI AMERICA INC	PBX 40-10	L6003982	GS-011	E120	5860	\$7,075.00
3069347	POWER SUPPLY	KIKUSUI ELECTRONICS CORP	PBX4010	M10022115	GS-011	E112	5860	\$7,025.00
259109	POWER SUPPLY, SIMULATOR SOLAR	EXOTECH INC	5T	1002	GS-011	E138	5860	\$6,195.00
2305608	PRESS ASSEMBLY, STAX C/P LEAD	FANCOIT INDUSTRIES INC	F1 F2 FLEX S	FA5018	GS-011	E124	5860	\$60,375.00
1817215	PRINTER, ADP, LASER	HEWLETT-PACKARD CO	C3917A	JPK0212558	GS-011	E112	5860	\$1,880.00
1821414	PRINTER, ADP, LASER	HEWLETT-PACKARD CO	C3982A	US8B101628	GS-011	E124C	5860	\$864.00
2103419	PRINTER, ADP, LASER	HEWLETT-PACKARD CO	C7058A	JPGCB61044	GS-011	S332E	5860	\$1,004.00
8060581	PROBE	TEKTRONIX INC	P7280	B013807	GS-011	S332HALL	5860	\$5,828.00
3080633	PROBE	TEKTRONIX INC	P7380A	B011100	GS-011	S332C	5870	\$7,829.00
3035500	PROGRAMMER	DATA I/O CORP	P5390CL	21014547	GS-011	E112	5860	\$7,320.00
3036356	PUMP, VACUUM	DANIELSON ASSOCIATES INC	TD200/18UG	3552-200/16	GS-011	E138	5860	\$7,750.00
1626748	RECEIVER, GPS	TRIMBLE NAVIGATION LTD	3243050	8200104	GS-011	S392C	5860	\$29,500.00
1626745	RECEIVER, GPS	TRIMBLE NAVIGATION LTD	3243050	96120009	GS-011	S392C	5860	\$29,500.00
2170212	RECORDER, SIGNAL DATA	GODDARD SPACE FLIGHT CENTER	NONE	NONE	GS-011	S392E	5860	\$1,041.00
3077430	REFRIGERATED CIRCULATOR	LIBBY MANUFACTURING COMPANY LT	P2-C25P	7,20076-12	GS-011	E130	5860	\$5,536.00
2325648	REFRIGERATOR, CIRCULATOR	LIBBY MANUFACTURING COMPANY LT	AC200	111294087	GS-011	S392C	5860	\$5,701.00
2113318	SATELLITE, SIMULATOR	JCAIR INC	GN5748A	16	GS-011	S332HALL	5860	\$28,750.00
3097134	SCANNER	OCE GRAPHICS USA INC	RTS 300	441008187	GS-SSFO-33	8	5860	\$19,900.00
3068477	SECURITY INSPECTION UNIT, XRAY	GLENBROOK TECHNOLOGIES INC	RTX-115	A0502-10585	GS-011	E124C	5860	\$31,000.00
3076248	SENSOR	OCM RESEARCH	TK20-1 TQCM	4705	GS-011	E130	5860	\$9,623.00
2625399	SERVER	DELL COMPUTER CORP F-PCS LTD	R720	46V5F21	GS-011	S232A	5860	\$4,895.00
2625400	SERVER	DELL COMPUTER CORP F-PCS LTD	R720	46T1F21	GS-011	S232A	5860	\$4,895.00
2625402	SERVER	INTERNATIONAL INDUSTRIES INC	NIRMC-8554	16	GS-011	E120	5860	\$5,249.00
459102	SIMULATOR STAR	DIFFRACTION LTD INC	NONE	6728-11	GS-011	S138C	5860	\$15,175.00
3034622	SIMULATOR, CROSSLINK CHANNEL	GENERAL DYNAMICS DECISION SYS	PIA16424-1000	NONE	GS-011	S332E	5860	\$258,812.00
2373699	SIMULATOR, GPS	SPIRENT COMMUNICATIONS GSS,INC	NTNE10AA	2141	GS-011	S332C	5870	\$115,750.00
3015435	SIMULATOR, GPS	SPIRENT COMMUNICATIONS GSS,INC	NTNE10AA	2142	GS-011	S332C	5860	\$115,750.00
3076763	SIMULATOR, GPS	SPIRENT COMMUNICATIONS GSS,INC	NTNE10AA	2091	GS-011	S392C	5870	\$115,750.00

Attachment I Government Property Available - SEAS

ECN	Equipment Description	Manufacturer Name	Model Number	Manufacturer Serial No.	Location	Room	Ent User Org. Code	Acquisition Value
3079321	SIMULATOR, GPS	SPIRENT COMMUNICATIONS GSS,INC	NTN1E10/A	2092	GS-011	S332C	5960	\$115,750.00
2558522	SIMULATOR, GPS	SPIRENT FEDERAL SYSTEMS INC.	6700	2121192	GS-029	150	5960	\$40,000.00
2553523	SIMULATOR, GPS	SPIRENT FEDERAL SYSTEMS INC.	6700	1201193	GS-021	160	5960	\$40,000.00
2164208	SIMULATOR, GPS, PORTABLE	SPIRENT COMMUNICATIONS GSS,INC	STR4500	1095	GS-011	S332C	5920	\$29,701.00
2334381	SIMULATOR, GPSQ	SPIRENT COMMUNICATIONS GSS,INC	GSS8000	8915	GS-007	#	5960	\$32,666.65
2334382	SIMULATOR, GPSQ	SPIRENT COMMUNICATIONS GSS,INC	GSS8000	8915	GS-007	#	5960	\$32,666.65
2334383	SIMULATOR, GPSQ	SPIRENT COMMUNICATIONS GSS,INC	GSS8000	8918	GS-007	#	5960	\$32,666.65
2391384	SIMULATOR, GPSQ	SPIRENT COMMUNICATIONS GSS,INC	GSS8000	8919	GS-007	#	5960	\$32,666.65
1754223	SOURCE LIGHT	ORIEL CORP F-ORIEL OPTICAL	68008	449	GS-011	S138C	5960	\$12,292.00
1953003	SWITCHING UNIT	LING DYNAMIC SYSTEM LTD	DPA10K	NONE	GS-011	S130A	5960	\$19,632.00
1954610	TABLE VIBRATION	LING DYNAMIC SYSTEM LTD	V730-335B	51680-001	GS-011	S130A	5960	\$18,250.00
2373512	TABLE TILTING, GYRO TEST	ACUTRONIC USA INC	3571	NONE	GS-011	S130	5960	\$220,000.00
2113557	TEST SET, EXTENDED RANGE	SYMMETRICOM INC	TSC4245C	P45746	GS-019	N031	5960	\$33,000.00
1527525	THEODOLITE	SOKKIA CORP	DT2/D20902	10871J	GS-011	S138C	5960	\$7,800.00
2108626	THERMAL CHAMBER	LUNAIRE LTD THERMAL ENVIRONMENT	TIOC	27653-03	GS-011	E120	5960	\$5,236.00
2328463	TRANSCEIVER, CROSS LINK	JOHNS HOPKINS UNIV APPLIED	88896/3377397000009	1	GS-011	S103	5960	\$11,260.00
2328464	TRANSCEIVER, CROSS LINK	JOHNS HOPKINS UNIV APPLIED	88896/3377397000009	3	GS-011	S103	5960	\$100,000.00
1419684	VACUUM PUMP	BALZERS	TCP121	51297	GS-011	S130	5960	\$9,257.00
3012700	VACUUM PUMP	STOKES VACUUM INC	189-11	61990	GS-LRLVHS	#	5960	\$8,000.00
2081789	VACUUM CHAMBER	PHYSICAL ELECTRONICS INDUS	DIGITAL MPC	6407151	GS-011	S130	5960	\$51,749.00
3076249	WIRE STRIPPER, THERMAL	EUBANKS ENGINEERING CO	4900	706-512H	GS-011	E107	5960	\$11,193.00
2332966	ANALYZER, HANDHELD	PHYSIMETRICS INC.	PNMA	11765	GS-011	S118	5970	\$5,435.00
2332957	ANALYZER, HANDHELD	PHYSIMETRICS INC.	PNMA	11765	GS-011	S118	5970	\$5,435.00
3084420	AUTO COLLIMATOR	MICRO-RADIAN INSTRUMENTS INC	T710HR	2282	GS-011	S138C	5970	\$7,480.00
2159821	AUTO COLLIMATOR	NEWPORT CORP	LDS-VECTOR	25611	GS-011	S138C	5970	\$6,250.00
2109281	AUTOCOLLIMATOR	MICRO-RADIAN INSTRUMENTS INC	T160HR	2153	GS-MASS	#	5970	\$7,105.00
3035545	BELL JAR SYSTEM	KURT J. LESKER COMPANY	ST01301	NONE	GS-MASS	#	5970	\$19,255.00
3080906	BENDING STATION	PINES MANUFACTURING INC	CNC-15	10700-04022	GS-011	LWHS	5970	\$62,275.00
3076253	BORESCOPE	HAWKEYE GRADIENT LENS CORP	1505	1505	GS-011	S138C	5970	\$17,710.00
1844016	CAMERA SYSTEM, DIGITAL	CANON USA MICROGRAPHICS DIV	DM-GU11	208020027	GS-011	C116B	5970	\$1,393.00
1950132	CAMERA, TELEVISION	SONY CORP	D1C107A	113728	GS-011	S140A	5970	\$15,177.00
2623895	CAMERA, VIDEOSCOPE	OLYMPUS AMERICA INC.	IV8420U	Y200845	GS-011	S126	5970	\$7,000.00
2391513	CHART, LOADING, TEST	MARTIN MARIETTA AEROSPACE	2300780261	1	GS-011	S126	5970	\$25,188.00
2381512	DETECTOR, HELIUM LEAK	VEIRIAN INC	947	DJA4003	WF-V45	B IV	5970	\$26,273.00
2329431	DETECTOR, LEAK HELIUM	PFPIFFER VACUUM TECHNOLOGY INC	HLT 560	40109685	GS-011	S126	5970	\$23,250.00
2375516	DETECTOR, LEAK HELIUM	PFPIFFER VACUUM TECHNOLOGY INC	5SM310	HLD1302909	GS-011	S126	5970	\$50,000.00
1529122	DOLLY	GODDARD SPACE FLIGHT CENTER	NONE	3	GS-011	S126	5970	\$27,080.00
2031829	LASER HEAD	DEL M/R AVONICS F-AVDNICS	0	AD-206LC	GS-011	S126	5970	\$6,993.00
1812224	MICROSCOPE	ZYGO CORP	7702	99-256431	GS-011	S138C	5970	\$10,029.00
2177042	MILLING MACHINE	NIKON CORP	OPTHOT 100C	660818	GS-011	S140	5970	\$39,800.00
2109282	OPTICAL HEAD	MAJESTIC MACHINERY INC	MK3	7201016	GS-011	S138B	5970	\$7,950.00
3034419	OPTICAL HEAD	MICRO-RADIAN INSTRUMENTS INC	T160	2153	GS-MASS	#	5970	\$8,200.00
3038803	OKULOSCOPE	TEKTRONIX INC	N/A	2232	GS-011	S138C	5970	\$8,704.00
3068661	OVEN, VACUUM	YAMATO SCIENTIFIC CO LTD	TL-5084B	8010271	GS-011	S292	5970	\$13,878.00
188196	POWER FLASHER	TELEDYNE REPUBLIC MFG	DP69	84100039	GS-011	S140	5970	\$7,691.00
3077672	POWER SUPPLY	INDUCTION ATMOSPHERES	2328	9457	GS-011	S126	5970	\$11,025.00
2112211	PRESSURE PANEL	GODDARD SPACE FLIGHT CENTER	HOT-SHOT-6	1.064476+13	GS-415	1	5970	\$5,000.00
1757453	PRINTER, ADP	METTLER TOLEDO	LP902	1	GS-011	S126	5970	\$644.00
2113642	PUMP CONTROL	PHYSICAL ELECTRONICS INDUS	LC-945	1115210669	GS-011	S138C	5970	\$6,413.00
2623981	PUMP, TURBO MOLECULAR	IDEAL VACUUM PRODUCTS, LLC	3088600	A10681	GS-MASS	#	5970	\$8,460.00
2623402	PUMP, TURBO MOLECULAR	IDEAL VACUUM PRODUCTS, LLC	9698919	IT12126231	GS-011	S126	5970	\$8,640.00
2177181	PUMP, VACUUM	IDEAL VACUUM PRODUCTS, LLC	9696919	IT13016039	GS-011	S126	5970	\$7,406.00
2335532	PUMP, VACUUM	GILBERT TECHNOLOGIES INC	PTS06001UNIV	LP11021004	GS-011	S138	5970	\$8,233.00
2335533	PUMP, VACUUM	IDEAL VACUUM PRODUCTS, LLC	PTS06001	US12400028	GS-011	S126	5970	\$8,233.00
95821	PUMPING SYSTEM, ROOTS/VANE	IDEAL VACUUM PRODUCTS, LLC	PTS06001	US123900039	GS-011	S126	5970	\$10,995.00
3066535	RECORDER, STRIP CHART	ADVANCED VACUUM SYSTEMS INC	NONESPECIAL	S348001	GS-MRYLD	#	5970	\$920.00
1625271	RECORDER, VIDEO CASSETTE	GOULD INC TEST & MEASURE GROUP	77-1010-10	202	GS-011	E129	5970	\$10,995.00
3012095	SIMULATOR, PROPELLANT TANK	SONY CORP OF AMERICA	CCD-T896	73407	GS-011	C116B	5970	\$13,000.00
		GODDARD SPACE FLIGHT CENTER	NONE	NONE	GS-011	S109	5970	

Attachment | Government Property Available - SEAS

ECN	Equipment Description	Manufacturer Name	Model Number	Manufacturer Serial No.	Location	Room	End User Org. Code	Acquisition Value
1955189	TANK, LIQUID PROPELLANT	PRESSURE SYSTEMS INC	80263	2	GS-LRLWHS	L4	5970	\$499,720.00
1955190	TANK, LIQUID PROPELLANT	PRESSURE SYSTEMS INC	80315	0001	GS-LRLWHS	L2	5970	\$499,720.00
3010710	TELESCOPE	BRUNSON INSTRUMENT CO	76RH	1403	GS-011	S13B	5970	\$12,867.00
2329430	TESTER, CABLE	CIRRIIS SYSTEMS CORP	EASYTOUCH 128PPTS	6168-EZT	GS-011	S13BB	5970	\$12,509.00
1554580	TURBO PUMP	VARIAN ASSOC F-NLTL RESEARCH	969 9038	85019	GS-415	1	5970	\$5,903.00
1955073	TURBO PUMP SYSTEM	COMBINOVA AB	CM31	NONE	GS-MASS	#	5970	\$13,174.00

ATTACHMENT J

**PERSONAL IDENTITY VERIFICATION (PIV) CARD
ISSUANCE PROCEDURES**

CONTRACT #: NNG15CR66C

PIV Card Issuance Procedures in accordance with FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel

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

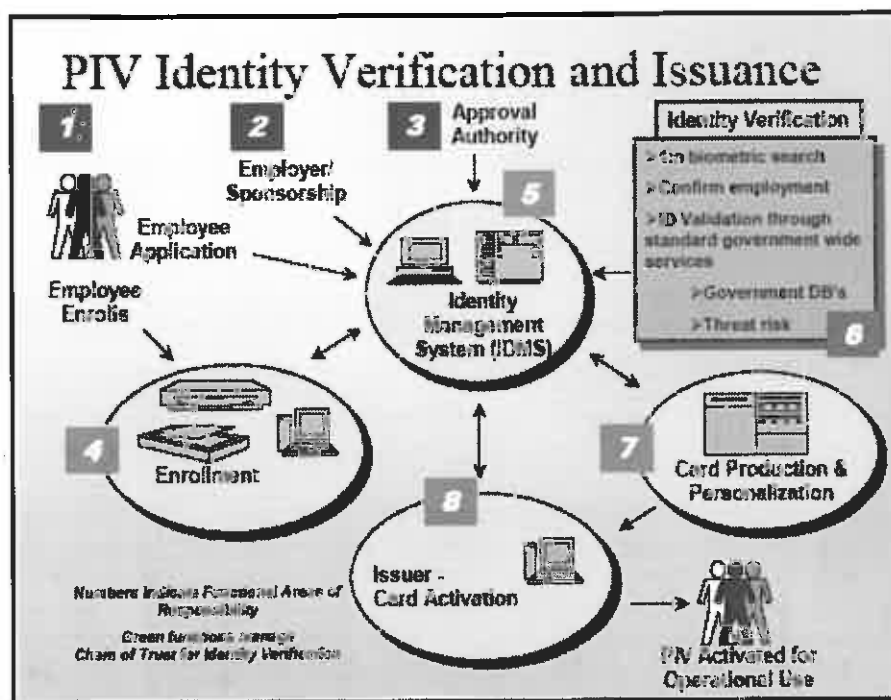


Figure A-1, FIPS 201, Appendix A

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

Step 1:

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

Further, the letter shall also acknowledge that contract employees may be denied access to NASA information or information systems based on an unsatisfactory background investigation/adjudication.

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

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

Step 2:

Upon acceptance of the letter/background information, the applicant will be advised that in order to complete the investigative process, he or she must appear in-person before the authorized PIV registrar and submit two forms of identity source documents in original form. The identity source documents must come from the list of acceptable documents included in Form I-9, Employment Eligibility Verification, one which must be a Federal¹ 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

¹ 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

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.

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.

ATTACHMENT K

CONTRACT HISTORICAL DATA

CONTRACT #: NNG15CR66C

CONTRACT HISTORICAL DATA

As provided in the Section H clause entitled, ADVANCE AGREEMENT BETWEEN THE PARTIES: REQUIREMENT TO PROVIDE CONTRACT HISTORICAL DATA, and based on the written request from the Contracting Officer, the Contractor shall provide all of the following historical data from this contract:

- (1) Provide all labor resources employed under this contract in the last twelve months, by Company Labor Category. For each labor category, provide the number of full-time equivalents (FTEs), the current average wage rate (unburdened "straight time" rate), and the average seniority level;
- (2) For each labor category, identify the most recent date that wages were escalated and provide the percentage by which wages were escalated;
- (3) For each labor category, identify whether the category is "exempt," "non-exempt," or "union" as governed under the Service Contract Labor Standards;
- (4) For each labor category, provide a brief position description in sufficient detail to indicate the duties of each category and any minimum education and experience requirements.

Example Table of Requested Data

Labor Category	Number of *FTE by Company's Title	**Current Weighted Avg. Unburdened Hourly Rate for this Category	Average Seniority for this Category	Date and Amount of Last Rate Escalation	Identification "Exempt," "Non-Exempt," or "Union"
Engineer 4	9	\$18.20	18 months	April 2005 (2.8%)	Exempt

*1 FTE is defined as the work of a full time equivalent. Example: Four employees working 2 hours per day make up one FTE.

**Straight time labor rates only, not bid rates or burdened rates

- (5) Provide the actual non-labor (other direct costs) expenditures for the prior twelve months, delineated by each of the following cost elements: materials, equipment, travel, supplies, and any other non-labor expenditures (e.g. service centers, training, facilities, etc.);
- (6) Provide an estimate of the number of FTEs, including associated labor category titles/descriptions, for those personnel currently supporting this contract that are accounted for as indirect. This may include administrative employees (e.g., accounting or clerical personnel), management employees and/or technical employees (e.g. computer support personnel); and
- (7) The information required in (1) through (6) above shall be provided for the prime contractor and all significant subcontractors. Significant subcontractors are those subcontractors that have performed more than \$25 million in work over the life of this contract.

(End of Attachment)

ATTACHMENT L

IT SECURITY APPLICABLE DOCUMENTS LIST

CONTRACT #: NNG15CR66C

**Information Technology (IT) Security Applicable Documents List
June 2014**

NASA Policy Directives (NPD) and NASA Procedural Requirements (NPR)		
Document	Subject	Effective Date
NPR 1382.1	NASA Privacy Procedural Requirements	August 10, 2007
NPD 1382.17H	NASA Privacy Policy	June 24, 2009
NPD 1440.6H	NASA Records Management	March 24, 2008
NPR 1441.1D	NASA Records Retention Schedules (w/Change 5, 6/29/09)	February 24, 2003
NPD 2540.1G	Personal Use of Government Office Equipment Including Information Technology	June 08, 2010
NPD 2800.1B	Managing Information Technology	March 21, 2008
NPR 2800.1B	Managing Information Technology	March 20, 2009
NPD 2810.1D	NASA Information Security Policy	May 9, 2009
NPR 2810.1A	Security of Information Technology w/ Change 1, May 19, 2011)	May 16, 2006
NPD 2830.1A	NASA Enterprise Architecture	November 2, 2011
NPR 2830.1	NASA Enterprise Architecture Procedures	February 9, 2006
NPR 7120.7	NASA Information Technology and Institutional Infrastructure Program and Project Management Requirements	November 3, 2008
NPR 2841.1	Identity, Credential, and Access Management	January 6, 2011

NASA Interim Directive		
Document	Subject	Effective Date
NM2810-64	NASA Interim Directive: Information Technology Security and Efficiency Requirements	May 22, 2008

NASA Interim Technical Requirements (NITR)		
Document	Subject	Effective Date
NITR 2800_2	Email Services and Email Forwarding	September 18, 2009
NITR 2800_1	NASA Information Technology Waiver Requirements and Procedures	August 13, 2009
NITR 2830-1B	Networks in NASA Internet Protocol (IP) Space or NASA Physical Space	February 12, 2009

SOPs (ITS-SOP) and Handbooks (ITS-HBK)		
Document	Subject	Effective Date
ITS-HBK-2810.00-01A	Format and Procedures for an IT Security Handbook	March 29, 2011
ITS-HBK-2810.00-02A	Roles and Responsibilities Crosswalk	May 2, 2013
ITS-HBK-2810.02-01	Security Assessment and Authorization	May 6, 2011
ITS-HBK-2810.02-02	Security Assessment and Authorization: FIPS 199 Moderate & High Systems	October 24, 2012
ITS-HBK-2810.02-03	Security Assessment and Authorization: FIPS 199 Low Systems	October 24, 2012
ITS-HBK-2810.02-04	Security Assessment and Authorization: Continuous Monitoring – Annual Security Control Assessments	October 24, 2012
ITS-HBK-2810.02-05	Security Assessment and Authorization: External Information Systems	October 24, 2012
ITS-HBK-2810.02-06	Security Assessment and Authorization: Extending and Information Systems Authorization to Operate Process and Templates	October 24, 2012

SOPs (ITS-SOP) and Handbooks (ITS-HBK)		
Document	Subject	Effective Date
ITS-HBK-2810.02-07	Security Assessment and Authorization: Information System Security Plan Numbering Schema	February 27, 2012
ITS-HBK-2810.02-08A	Security Assessment and Authorization: Plan of Action and Milestones (POA&M)	December 11, 2013
ITS-HBK-2810.03-01	Planning	May 6, 2011
ITS-HBK-2810.03-02	Planning: Information System Security Plan Template, Requirements, Guidance and Examples	February 9, 2011
ITS-HBK-2810.04-01-A	Risk Assessment: Security Categorization, Risk Assessment, Vulnerability Scanning, Expedited Patching & Organizationally Defined Values	October 12, 2012
ITS-HBK-2810.04-02-A	Risk Assessment: Procedures for Information System Security Penetration Testing and Rules of Engagement	April 30, 2013
ITS-HBK-2810.04-03	Risk Assessment: Web Application Security Program	April 30, 2013
ITS-HBK-2810.05-01	Systems and Service Acquisition	November 21, 2011
ITS-HBK-2810.06-01	Awareness and Training	May 6, 2011
ITS-HBK-2810.07-01	Configuration Management	May 6, 2011
ITS-HBK-2810.08-01	Contingency Planning	April 26, 2012
ITS-HBK-2810.08-02	Contingency Planning: Guidance and Templates for Plan Development, Maintenance and Test	February 11, 2011
ITS-HBK-2810.09-01	Incident Response and Management	May 6, 2011
ITS-HBK-2810.09-02	Incident Response and Management: NASA Information Security Incident Management	August 24, 2011

SOPs (ITS-SOP) and Handbooks (ITS-HBK)		
Document	Subject	Effective Date
ITS-HBK-2810.09-03	Incident Response and Management: Targeted Collection of Electronic Data	August 24, 2011
ITS-HBK-2810.10-01	Maintenance	May 6, 2011
ITS-HBK-2810.11-01-A	Media Protection	July 13, 2012
ITS-HBK-2810.11-02	Media Protection: Digital Media Sanitization	July 13, 2012
ITS-HBK-2810.12-01	Physical and Environmental Protection	May 6, 2011
ITS-HBK-2810.13-01	Personnel Security	May 6, 2011
ITS-HBK-2810.14-01	System and Information Integrity	May 6, 2011
ITS-HBK-2810.15-01-A	Access Control	September 4, 2012
ITS-HBK-2810.15-02-A	Access Control: Elevated Privileges (EP)	September 20, 2012
ITS-HBK-2810.16-01	Audit and Accountability	May 6, 2011
ITS-HBK-2810.17-01	Identification and Authentication	May 6, 2011
ITS-HBK-2810.18-01	System and Communications Protection	May 6, 2011

Standards		
Document	Subject	Effective Date
EA-STD 0001.0	Standard for Integrating Applications into the NASA Access Management, Authentication, and Authorization Infrastructure	August 1, 2008
EA-SOP 0003.0	Procedures for Submitting a NASA Agency Forest (NAF) Deviation Request and Transition Plan	August 1, 2008
EA-SOP 0004.0	Procedures for Submitting an Application Integration Deviation Request and Transition Plan	August 1, 2008

Standards		
Document	Subject	Effective Date
NASA-STD-2804-P	Minimum Interoperability Software Suite	March 14, 2014
NASA-STD-2805-P	Minimum Hardware Configurations	March 14, 2014

Memoranda				
From	To	Subject	Effective Date	Posted Date
Associate Deputy Administrator	All NASA Employees	Breach of Personally Identifiable Information (PII) [Laptop DAR/Encryption]	11/13/12	11/13/12
Charles F. Bolden, Jr., NASA Administrator	All NASA Employees	Protection of Sensitive Agency Information	4/3/2012	4/3/2012
Chief Information Officer	All NASA Civil Service and Contractor Employees	Policy for Use of Removable Media, Such as USB Thumb Drives	11/21/2008	11/21/2008