

**SOLICITATION, OFFER AND AWARD** 1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (16 CFR 700) RATING PAGE OF PAGES 1 85

2 CONTRACT NUMBER NNG17HP02C 3 SOLICITATION NUMBER NNG18551703R 4. TYPE OF SOLICITATION  SEALED BID (IFB)  NEGOTIATED (RFP) 5. DATE ISSUED 03/11/2016 6. REQUISITION/PURCHASE NUMBER 4200612890

7 ISSUED BY CODE NASA/Goddard Space Flight Center Procurement Operations Division, Greenbelt, MD 20771 8. ADDRESS OFFER TO (If other than Item 7) Goddard Space Flight Center Greenbelt, MD 20771 Attn: Jason D. Lou; Mailstop 210 6

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

**SOLICITATION**  
 9. Sealed offers in original and See Section L copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if none specified, in the depository located in See Section L until 1200 local time 11/14/2016

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Paragraph No. 82.214-7 or 82.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL: A NAME Jason D. Lou B. TELEPHONE (NO COLLECT CALLS) AREA CODE 301 NUMBER 2882833 EXTENSION C. E-MAIL ADDRESS jason.d.lou@nasa.gov

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NOTE: Item 12 does not apply if the solicitation includes the provisions of 82.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 210 calendar days (60 calendar days unless a different period is provided 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 amounts each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section L, Clause No. 52.232-4) 15 CALENDAR DAYS (15) 30 CALENDAR DAYS (15) 60 CALENDAR DAYS (15) CALENDAR DAYS(15)

14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offers and related documents numbered and dated):

AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

16A. NAME AND ADDRESS OF OFFEROR: CODE 15151 FACILITY KBRwyte Technology Solutions, LLC 7000 Columbia Gateway Dr Ste 100 Columbia, MD, 21046-3151. 16. NAME AND THE TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print) Ms. Kim Quail Senior Contracts Manager

16B. TELEPHONE NUMBER: AREA CODE 410 NUMBER 9847787 EXTENSION 16C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE  17. SIGNATURE [Signature] 18. OFFER DATE 11/14/2016

**AWARD (To be completed by Government)**  
 19. ACCEPTED AS TOTEM NUMBER(S) 20. AMOUNT 21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL OPEN COMPETITION  10 U.S.C. 2304 (c)  41 U.S.C. 3304(a) ( ) 23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ITEM

24. ADMINISTERED BY (If other than Item 7) 25. PAYMENT WILL BE MADE BY CODE NASA Shared Services Center (NSSC) located at FMD Accounts Payable, Bldg. 1111, Jerry Hays Road, Stennis Space Center, MS 38529

26. NAME OF CONTRACTING OFFICER (Type or print) Eric J. Newman 27. UNITED STATES OF AMERICA [Signature] 28. AWARD DATE 11/13/17 (Signature of Contracting Officer)

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**SOLICITATION/CONTRACT FORM**

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

**B.1 GSFC 52.211-90 SUPPLIES AND/OR SERVICES TO BE PROVIDED (NOV 2015)**

The Contractor shall provide all resources (except as may be expressly stated in the contract as furnished by the Government) necessary to deliver and/or perform the items below in accordance with the Statement of Work (SOW), incorporated as Attachment A, and Task Orders issued hereunder.

<b>Item</b>	<b>Description</b>	<b>Reference</b>	<b>Schedule</b>	<b>Delivery Method/Addressee(s)</b>
1	Services and Deliverables in accordance with Task Orders Issued and the SOW	As Defined in the SOW and Individual Task Orders Issued	As Specified in the SOW and Individual Task Orders Issued	As Specified in the SOW and Individual Task Orders Issued
2	Task Plans	Section B GSFC 52.216-91 Section I NFS 1852.216-80	As Required in Clause NFS 1852.216-80	NASA Task Order Management System (TOMS)
3	Reports of Work	Section C GSFC 52.235-90	As Required in Clause GSFC 52.235-90	As specified in Clause GSFC 52.235-90.
4	Contract Historical Data	Section C GSFC 52.211-91 <i>Attachment I</i>	30 Days after Contracting Officer Request	Electronic Format/CO
5	NASA Financial Management Reports	Section G GSFC 52.242-90 NFS 1852.242-73 <i>Attachment C</i>	Monthly and Quarterly in accordance with <i>Attachment C</i>	Electronic Format/ Contracting Officer (CO), Contracting Officer's Representative (COR), Resource Analyst (RA) & Regional Finance Office
6	Material Inspection and Receiving Reports (MIRR) (DD Form 250)	Section E NFS 1852.246-72 GSFC 52.246-94	At Time of Delivery	Hard Copy/CO, COR, and Receiving & Inspection

<b>Item</b>	<b>Description</b>	<b>Reference</b>	<b>Schedule</b>	<b>Delivery Method/Addressee(s)</b>
7	Foreign Travel Requests and Foreign Travel Reports	Section G NFS 1852.242-71	Foreign Travel Requests–30 days in Advance of Travel Foreign Travel Reports–Upon Conclusion of Travel	As specified in CO’s travel approval
8	Requests for Government Property	Section G NFS 1852.245-70	30 Days Prior to Acquire Date	Electronic Format/CO
9	Financial Report of NASA Property in the Custody of Contractors (NF 1018)	Section G NFS 1852.245-73	Annual Report by October 15 <sup>th</sup> and Final Report	NF 1018 Electronic Submission System (NESS)
10	Physical Inventory of Capital Personal Property Reporting	Section G NFS 1852.245-78	Within 10 Calendar Days of Annual Physical Inventory	Property Administrator
11	Government Real Property Maintenance Plan	Section G NFS 1852.245-83	30 Days after Contract Effective Date	Electronic Format/CO and COR
12	Reporting of Inventions	Section G NFS 1852.227-72 NFS 1852.227-70 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
13	Small Business Subcontracting Plan Reporting	Section H GSFC 52.219-90 Section I NFS 1852.219-75	ISR–Semi-Annual (April 30 <sup>th</sup> and October 30 <sup>th</sup> ) and Final SSR–Annual (October 30 <sup>th</sup> )	Electronic Format/ Electronic Subcontract Reporting System (eSRS)
14	Safety & Health Reporting	Section H NFS 1852.223-70 NFS 1852.223-75 GSFC 52.223-91	Monthly/Quarterly Reports and As Required	NASA Mishap Information System (NMIS)

15	Personal Identity Verification (PIV) Documentation and Reporting	Section H GSFC 52.204-99 <i>Attachment F</i>	10th Calendar Day of the Month and As Required	Electronic Format and Hard Copy/COR & Code 240
16	Organizational Conflicts of Interest (OCI) Avoidance Plan	Section I NFS 1852.237-72	30 Days after Contract Effective Date	Electronic Format/CO
17	Equal Opportunity Reports	Section I FAR 52.222-26	As Specified by FAR 52.222-26	Electronic Format/CO & Code 120
18	Insurance Notifications	Section I FAR 52.228-7 NFS 1852.228-75	As Specified by NFS 1852.228-75	Electronic Format/CO
19	Subcontract Notification	Section I FAR 52.244-2	30 Days Prior to Subcontract Award Date	Electronic or Hard Copy Format/CO
20	IT Security Management Plan	Section I NFS 1852.204-76	30 Days after Contract Effective Date & Annual Updates As Required	Electronic Format/CO
21	Service Contract Reporting	Section I FAR 52.204-15	Annually by October 31 and Revisions, if needed, by November 30	www.sam.gov
22	Affirmative Procurement of Biobased Products	Section I FAR 52.223-2	Annually by October 31 and Final Report	<a href="http://www.sam.gov">http://www.sam.gov</a> , with a copy to the CO
23	Estimate of Recovered Material Content	Section I FAR 52.223-9	Upon Contract Completion	Electronic Format/CO and COR
24	Supplemental Financial Report of NASA Property in the Custody of Contractors	Section G GSFC 52.245-99	Monthly By the 21 <sup>st</sup> of each Month and Final Report	Contractor-Held Asset Tracking System (CHATS) at <a href="https://chats.nasa.gov">https://chats.nasa.gov</a>

NOTE: Transportation Classification: Transportation Classifications designations, in accordance with Clause D.1 **1852.211-70**, for deliverables under **Item 6** will be specified in each individual task order at the time of task order issuance. Deliverables under **Item 6** 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 1852.216-85 ESTIMATED COST AND AWARD FEE. (SEP 1993)**

The estimated cost of this contract is **(To Be Negotiated by Task Order)**. The maximum available award fee, excluding base fee, if any, is **(To Be Negotiated by Task Order)**. The base fee is **(Not Applicable)**. Total estimated cost, base fee, and maximum award fee are **(To Be Negotiated by Task Order)**.

(End of clause)

**B.3 1852.232-81 CONTRACT FUNDING. (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 [REDACTED]. This allotment is for all engineering services for ground systems and mission operations support ordered under this contract and covers the following estimated period of performance: **(To be determined)**.

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

(End of clause)

**B.4 GSFC 52.216-90 MINIMUM/MAXIMUM AMOUNT OF SUPPLIES OR SERVICES (COST REIMBURSEMENT) (APR 2008)**

(a) The minimum amount of supplies or services that shall be ordered during the effective period of this contract is **\$10,000,000**. The maximum amount of supplies or services that may be ordered during the effective period of this contract is **\$442,000,000**. 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 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 **20%** of the original maximum amount.

(End of clause)

**B.5 GSFC 52.216-91 SUPPLEMENTAL TASK ORDERING PROCEDURES  
(COST REIMBURSEMENT) (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 maximum award fee percentage specified in Attachment B shall be used to calculate the maximum available award fee dollars on all task orders issued in accordance with the “Task Ordering Procedure” clause of this contract. The Government shall solely determine the earned award fee under the contract.

(End of clause)

**B.6 GSFC 52.232-94 ESTIMATED COST INCREASES (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 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:

Incurred costs to date

Projected cost to completion

Total cost at completion

Current negotiated estimated cost

Requested increase in estimated cost

(2) The “projected cost to completion” shall consist of the following “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)

(End of Section B)

## **SECTION C-DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK**

### **C.1 GSFC 52.211-91 SCOPE OF WORK (FEB 2016)**

The Contractor shall provide the personnel, materials, and facilities, except as otherwise specified in this contract, necessary to perform the work and to furnish the items specified in the SUPPLIES AND/OR SERVICES TO BE PROVIDED clause of this contract in accordance with the Statement of Work, Attachment A, Contract Historical Data, Attachment I, Safety and Health Plan, Attachment G, and task orders issued hereunder.

(End of clause)

### **C.2 GSFC 52.227-90 LIMITED RIGHTS DATA OR RESTRICTED COMPUTER SOFTWARE (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)

### **C.3 GSFC 52.235-90 REPORTS OF WORK (IDIQ/BPA) (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 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:

<b>Copies</b>	<b>Report Type</b>	<b>Addressee</b>	<b>Mail Code</b>
1	M,F	Contracting Officer (CO)	210.6
1	M,F	Contracting Officer's Representative (COR)	444.0
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)

(End of Section C)

**SECTION D-PACKAGING AND MARKING**

**D.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION D**

***1852.211-70 PACKAGING, HANDLING, AND TRANSPORTATION. (SEP 2005)***

***1852.245-74 IDENTIFICATION AND MARKING OF GOVERNMENT  
EQUIPMENT. (JAN 2011)***

(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**

(End of Reference Section)

(End of Section D)

**SECTION E-INSPECTION AND ACCEPTANCE**

**E.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION E**

**52.246-5 INSPECTION OF SERVICES - COST-REIMBURSEMENT. (APR 1984)**

**52.246-11 HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT. (DEC 2014)**

(a) The Contractor shall comply with the higher-level quality standard(s) listed below.

NPR 7123.1, NASA Systems Engineering Processes and Requirements
GPR 8070.4 Administration and application of Goddard Rules for Design, Development, Verification and Operation of Flight Systems
NPR 2210.1C Release of NASA Software
NPR 2810.1, Security of Information Technology
GPR 5340.2 Documentation and Control of Process Nonconformances and Customer Complaints
GPR 5340.4 Problem Reporting and Problem Failure Reporting
GPR 5340.5 On-Orbit Anomaly Management
GPR 1600.1, Goddard Security Requirements
NASA-STD-8719.14, Process for Limiting Orbital Debris
NPR 8715.6, NASA Procedural Requirements for Limiting Orbital Debris
GPR 8715.7, GSFC Orbital Debris and End of Mission Program Requirements
GPR 1410.2, Configuration Management
GPR 1440.8, Records Management
400-PG1440.7.2, Retention of Program and Project Technical Records by the Code 400 Directorate Library
GPR 8621.4, GSFC Mishap Preparedness and Contingency Plan
400-PG-8621.1.1, Anomaly Notification System for Flight Programs and Projects
Section 508 EIT Accessibility – 1194.26 “Desktop and Portable Computers”
Attachment O, Quality Assurance Plan
ISO 9001 Compliance*

\*Only required if identified in a specific task order  
(End of Reference Section)

**E.2 1852.246-72 MATERIAL INSPECTION AND RECEIVING REPORT. (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). The form(s) shall be and distributed as follows:

(1) Via mail and marked "Advance Copy", one copy each to the Contracting Officer, the Contracting Officer's 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 GSFC/Wallops Flight Facility (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/WFF 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 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.3 GSFC 52.246-92 ACCEPTANCE—SERVICES (SEP 2013)**

The Contracting Officer or authorized representative will accomplish acceptance at the **Goddard Space Flight Center**, or **as specified in individual Task Orders issued**. For the purpose of this clause, the Contracting Officer's Representative delegated on this contract is the authorized representative. The Contracting Officer reserves the right to unilaterally designate a different Government agent as the authorized representative. The Contractor will be notified by a written notice or by a copy of the delegation of authority if different representative is designated.

(End of clause)

### **E.4 GSFC 52.246-94 MATERIAL INSPECTION AND RECEIVING REPORT NOT REQUIRED (APR 1989)**

NASA FAR Supplement clause 1852.246-72 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 deliverable items:

Description

1. Reports
2. Deliverables that do not require Quality Assurance Inspection (**To be determined by task order**)

(End of clause)

**E.5 GSFC 52.246-102 INSPECTION SYSTEM RECORDS (APR 2013)**

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

(End of clause)

(End of Section E)

**SECTION F-DELIVERIES AND PERFORMANCE**

**F.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION F**

**52.242-15 STOP-WORK ORDER (AUG 1989) ALTERNATE I (APR 1984)**

(End of Reference Section)

**F.2 GSFC 52.217-92 EFFECTIVE ORDERING PERIOD (JAN 2014)**

The effective ordering period of this contract shall be for a period of **five (5) years** from the contract effective date of **March 1, 2017**.

(End of clause)

**F.3 GSFC 52.237-92 PLACE OF PERFORMANCE – SERVICES (NOV 2013)**

The services to be performed under this contact shall be performed at the following location(s): **NASA GSFC, the Contractor's offsite facility and alternate places of performance that may be specified in individual task orders issued.**

(End of clause)

**F.4 GSFC 52.247-94 SHIPPING INSTRUCTIONS--CENTRAL RECEIVING (MAR 2015)**

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

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

Marked for:

Technical Officer (Name) **TBD by Task Order**                      Code **TBD at Task Order**  
Building **TBD by Task Order**    Room **TBD at Task Order**  
Contract No. **NNG17HP02C**  
Item(s) No. **TBD**

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

(End of clause)  
(End of Section F)

**SECTION G-CONTRACT ADMINISTRATION DATA**

**G.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION G**

***52.204-19 INCORPORATION BY REFERENCE OF REPRESENTATIONS AND CERTIFICATIONS (DEC 2014)***

***1852.223-71 AUTHORIZATION FOR RADIO FREQUENCY USE. (APR 2015)***

***1852.227-70 NEW TECHNOLOGY—OTHER THAN A SMALL BUSINESS FIRM OR NONPROFIT ORGANIZATION (APR 2015)***

***1852.227-86 COMMERCIAL COMPUTER SOFTWARE LICENSING. (APR 2015)***

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

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

***1852.245-70 CONTRACTOR REQUESTS FOR GOVERNMENT-PROVIDED EQUIPMENT. (AUG 2015) - ALTERNATE I (AUG 2015)***

***1852.245-75 PROPERTY MANAGEMENT CHANGES. (JAN 2011)***

***1852.245-78 PHYSICAL INVENTORY OF CAPITAL PERSONAL PROPERTY. (AUG 2015)***

***1852.245-82 OCCUPANCY MANAGEMENT REQUIREMENTS. (JAN 2011)***

***1852.245-83 REAL PROPERTY MANAGEMENT REQUIREMENTS. (JAN 2011)***

(End of Reference Section)

**G.2 1852.216-76 AWARD FEE FOR SERVICE CONTRACTS (APR 2012)**

(a) The contractor can earn award fee from a minimum of zero dollars to the maximum stated in NASA FAR Supplement clause 1852.216-85, "Estimated Cost and Award Fee" in this contract.

(b) Beginning 6 months after the effective date of this contract, the Government shall evaluate the Contractor's performance every 6 months to determine the amount of award fee earned by the contractor during the period. The Contractor may submit a self-evaluation of performance for each evaluation period under consideration. These self-evaluations will be considered by the Government in its evaluation. The Government's Fee Determination Official (FDO) will determine

the award fee amounts based on the Contractor's performance in accordance with the *GSMO-2 Performance Evaluation Plan*. The plan may be revised unilaterally by the Government prior to the beginning of any rating period to redirect emphasis.

(c) The Government will advise the Contractor in writing of the evaluation results. The *NASA/Shared Service Center Financial Management Division (FMD) Accounts Payable* will make payment based **on issuance of a unilateral modification by the Contracting Officer**.

(d) The Contracting Officer may direct the withholding of earned award fee payments until a reserve is set aside in an amount that the Contracting Officer considers necessary to protect the Government's interest relative to an orderly and timely closeout of the contract. This reserve shall not exceed 15 percent of the contract's total potential award fee or \$100,000, whichever is less.

(e) The amount of award fee which can be awarded in each evaluation period is limited to the amounts set forth *in the GSMO-2 Performance Evaluation Plan*. Award fee which is not earned in an evaluation period cannot be reallocated to future evaluation periods.

(f)(1) Provisional award fee payments *will* be made under this contract pending the determination of the amount of fee earned for an evaluation period. If applicable, provisional award fee payments will be made to the Contractor on a *monthly* basis. The total amount of award fee available in an evaluation period that will be provisionally paid is the lesser of **80%** or the prior period's evaluation score.

(2) Provisional award fee payments will be superseded by the final award fee evaluation for that period. If provisional payments exceed the final evaluation score, the Contractor will either credit the next payment voucher for the amount of such overpayment or refund the difference to the Government, as directed by the Contracting Officer.

(3) If the Contracting Officer determines that the Contractor will not achieve a level of performance commensurate with the provisional rate, payment of provisional award fee will be discontinued or reduced in such amounts as the Contracting Officer deems appropriate. The Contracting Officer will notify the Contractor in writing if it is determined that such discontinuance or reduction is appropriate.

(4) Provisional award fee payments *will* be made prior to the first award fee determination by the Government.

(g) Award fee determinations are unilateral decisions made solely at the discretion of the Government.

(End of clause)

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

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

(b) Disclosures of reportable items and of subject inventions, interim new technology summary reports, final new technology summary reports, utilization reports, and other reports required by the applicable "New Technology—Other than a Small Business Firm or Nonprofit Organization" or "Patent Rights—Ownership by the Contractor" clause, as well as any correspondence with respect to such matters, shall be directed to the New Technology Representative unless transmitted in response to correspondence or request from the Patent Representative. Inquires or requests regarding disposition of rights, election of rights, or related matters shall be directed to the Patent Representative. This clause shall be included in any subcontract hereunder requiring a "New Technology—Other than a Small Business Firm or Nonprofit Organization" clause or "Patent Rights—Ownership by the Contractor" clause, unless otherwise authorized or directed by the Contracting Officer. The respective responsibilities and authorities of the aforementioned representatives are set forth in 1827.305-270 of the NASA FAR Supplement.

(End of clause)

**G.4 1852.245-71 INSTALLATION-ACCOUNTABLE GOVERNMENT PROPERTY (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:

- (1) NASA Procedural Requirements (NPR) 4100.1, NASA Materials Inventory Management Manual;
- (2) NASA Procedural Requirements (NPR) 4200.1, NASA Equipment Management Procedural Requirements;
- (3) NASA Procedural Requirement (NPR) 4300.1, NASA Personal Property Disposal Procedural Requirements;
- (4) Notify the cognizant property custodian, Contracting Officer's Representative (COR), and the Installation Security Officer immediately if theft of Government

property is suspected or property cannot be located

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

(6) 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.

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

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

(9) 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.

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 IAGP Attachment D
  - (i) If the Contractor acquires property, title to which vests in the Government pursuant to other provisions of this contract, this property also shall become accountable to the Government upon its entry into Government records.
  - (ii) The Contractor shall not bring to the installation for use under this contract any property owned or leased by the Contractor, or other property that the Contractor is accountable for under any other Government contract, without the Contracting Officer's prior written approval.
- (4) Supplies from stores stock.
- (5) Publications and blank forms stocked by the installation.
- (6) Safety and fire protection for Contractor personnel and facilities.
- (7) Installation service facilities: ***“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.5 1852.245-73 FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (JAN 2011)**

(a) The Contractor shall submit annually a NASA Form (NF) 1018, NASA Property in the Custody of Contractors, in accordance with 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 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.6 1852.245-76 LIST OF GOVERNMENT PROPERTY FURNISHED**

**PURSUANT TO FAR 52.245-1 (JAN 2011)**

For performance of work under this contract, the Government will make available Government property identified below or in *Attachment E* for the List of Government Furnished Property (GFP) 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 “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	If equipment		
				Manufacturer	Model	Serial Number
See <i>Attachment E</i>						

(End of clause)

**G.7 GSFC 52.216-100 INDIVIDUALS AUTHORIZED TO ISSUE ORDERS (DEC 2014)**

The following personnel are authorized to issue orders under this contract. All designated personnel are employed by the NASA GSFC unless otherwise indicated:

**Contracting Officer, Code 210.6**

(End of clause)

**G.8 1852.232-80 SUBMISSION FOR VOUCHERS FOR PAYMENT. (SEP 2016)**

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

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

(c) Payment requests. (1) The payment periods designated in the payment clause(s) contained in this contract will begin on the date a proper request for payment is received

by the NSSC payment office specified in paragraphs (a) and (b) of this section. Vouchers shall be prepared in accordance with the guidance provided by the NSSC at the following Web site: [https://answers.nssc.nasa.gov/app/answers/detail/a\\_id/6643](https://answers.nssc.nasa.gov/app/answers/detail/a_id/6643).

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

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

(ii) Breakdown of billed other direct costs (ODCs) and associated contractor generated supporting documentation for billed ODCs.

(iii) Indirect rate(s) used to calculate the amount of billed indirect expenses.

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

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

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

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

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

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

(End of clause)

**G.9 GSFC 52.242-90 FINANCIAL MANAGEMENT REPORTING (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 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 **210.6**  
E-Mail: [Betty.f.johnson@nasa.gov](mailto:Betty.f.johnson@nasa.gov)

Contracting Officer’s Representative, Code **444.0**  
E-Mail: [joseph.sparmo@nasa.gov](mailto:joseph.sparmo@nasa.gov)

Resources Analyst, Code **444.0**  
E-Mail: [valerie.l.potter@nasa.gov](mailto:valerie.l.potter@nasa.gov)

Regional Finance Office Cost Team, Code **155.2**  
E-Mail: [GSFC-rfocateam@lists.nasa.gov](mailto: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.10 GSFC 52.245-96 PROPERTY CLAUSE APPLICABILITY—ON-SITE AND OFF-SITE (APR 2016)**

(a) Performance of this contract requires that Contractor personnel and any furnished and/or acquired Government property be located at both Government controlled and managed premises (onsite) and at Contractor controlled and managed premises (offsite). 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, if included in the contract, are applicable to both onsite and offsite 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 Property”

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

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

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”

GSFC clause 52.245-99, “Supplemental Financial Reporting of NASA Property in the Custody of Contractors”

(c) Clauses, if included in the contract, are applicable to offsite locations only.

NASA FAR Supplement clause 1852.245-76, “List of Government Property Furnished

Pursuant to FAR 52.245-1”

(d) Clauses, if included in the contract, are applicable to onsite locations only.

FAR clause 52.245-2, “Government Property Installation Operation Services”

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

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.11 GSFC 52.245-99 SUPPLEMENTAL FINANCIAL REPORTING OF NASA PROPERTY IN THE CUSTODY OF CONTRACTORS (MAY 2016)**

(a) In addition to the annual 1018 reporting required under clause NFS 1852.245-73 of this contract, the Contractor shall submit monthly property financial reports as described below if, at either award or any time during contract performance, the cumulative amount of NASA property is \$10 million or more.

(1) Monthly property financial reports shall be submitted including item-level supporting data for all items acquired/fabricated/modified where the total acquisition cost of the item is \$500,000 or more, in the contractor’s or its subcontractors’ possession. This data shall be submitted for all items in the property classifications of real property, equipment, special test equipment, special tooling, and agency peculiar property.

(2) Monthly data shall also be submitted for items of any acquisition cost in the classifications of materials and contract work-in-process (WIP). Specifically, itemized monthly data is required for materials and WIP line items when the estimated total acquisition cost of any item at completion will be \$500,000 or more.

(b) The monthly reports shall be electronically submitted using the Contractor-Held Asset Tracking System (CHATS) at <https://chats.nasa.gov> using the format described in the CHATS user’s manual.

(c) Acquisition costs shall be developed using actual costs to the greatest extent possible, especially costs directly related to fabrication such as labor and materials. Supporting documentation shall be maintained and available for all amounts reported, including any amounts developed using estimating techniques.

(d) All adjustments shall be thoroughly explained and directly related to a specific Government Fiscal Year (GFY). If the GFY cannot be determined, the default shall be

the previous GFY.

(e) Work Breakdown Structures (WBS) shall be provided for all Contractor acquired property (CAP), WIP, and any new materials acquired. The format shall be a five digit numerical level. (i.e., 803-10). If the WBS is not identifiable, contact the NASA GSFC Property Office for further guidance, as provided in paragraph (f)(4) below.

(f)(1) The data required for the monthly submission is due the 21<sup>st</sup> day after the close of the month.

e.g., August 21 for the month ending July 31  
September 21 for the month ending August 31  
October 21 for the month ending September 30

(2) The monthly property financial reports required by this clause are separate from, and in addition to the annual NF 1018 reports.

(3) Both the NF 1018 report data and the September monthly report data are as of September 30. Corrections in monthly report data shall be handled as adjustments in the next monthly report after discovery of the error. (e.g., Errors in the September monthly report shall be reported as adjustments in the October monthly report. The NF 1018 shall reflect the corrected numbers and the contractor shall provide a note regarding the corrected monthly report error under Comments in the NF 1018.) Errors in the NF1018 found after the November 30 submission shall be reported as adjustments in the NF 1018 for the next reporting year, unless immediate correction and resubmission are directed by NASA.

(4) Questions may be directed to the following individuals of the NASA GSFC Property Office:

Barbara Scott, (301) 286-6097, email [barbara.scott@nasa.gov](mailto:barbara.scott@nasa.gov)

Loren Phillips (301) 286-0785, e-mail: [loren.j.phillips@nasa.gov](mailto:loren.j.phillips@nasa.gov)

(End of Clause)

(End of Section G)

## **SECTION H-SPECIAL CONTRACT REQUIREMENTS**

### **H.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION H**

#### ***52.236-13 ACCIDENT PREVENTION. (NOV 1991) - ALTERNATE I (NOV 1991)***

(f) Before commencing the work, the Contractor shall—

- (1) Submit a written Safety and Health Plan in accordance with NPR 8715.3, NASA Safety Manual, Appendices;
- (2) The plan shall be submitted to the Contracting Officer within 30 days after contract award. This plan, as approved by the Contracting Officer, will be incorporated into the contract; and
- (3) The contractor may perform the following work prior to the plan being approved and incorporated into the contract: **NONE**.

#### ***1852.208-81 RESTRICTIONS ON PRINTING AND DUPLICATING. (NOV 2004)***

#### ***1852.223-70 SAFETY AND HEALTH MEASURES AND MISHAP REPORTING. (DEC 2015)***

#### ***1852.223-75 MAJOR BREACH OF SAFETY OR SECURITY. (FEB 2002)***

#### ***1852.225-70 EXPORT LICENSES (FEB 2000)***

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

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

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

(End of Reference Section)

### **H.2 1852.209-71 LIMITATION OF FUTURE CONTRACTING (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 is in performing this IDIQ contract, there are situations where the services performed may give rise to the significant potential organizational conflicts of interest listed below. In addition, the specific nature of any potential or actual conflict that may arise during performance of a task order will be identified in each individual task order, as appropriate.
- (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 be required to perform technical reviews or provide engineering consultation services on its own proposals/quotations, products, or services (or those of its affiliate(s) or competitor(s)) provided under a different contract(s), which could create an impaired objectivity OCI.
- (c) The restrictions upon future contracting are as follows:
- (1) If the Contractor, through the performance of task orders issued under 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) If the Contractor, through the performance of task orders issued under this contract, is required to participate in technical reviews or provide engineering consultation services on its own proposals/quotations, products, or services (or those of its affiliate(s) or competitor(s)) provided under a different contract(s), the Contractor shall be ineligible to perform such work as a prime or first-tier subcontractor.

(End of clause)

### **H.3 1852.242-72 DENIED ACCESS TO NASA FACILITIES (OCT 2015)**

- (a)(1) The performance of this contract requires contractor employees of the prime contractor or any subcontractor, affiliate, partner, joint venture, or team member with which the contractor is associated, including consultants engaged by any of these entities,

to have access to, physical entry into, and to the extent authorized, mobility within, a NASA facility.

(2) NASA may close and or deny contractor access to a NASA facility for a portion of a business day or longer due to any one of the following events:

(i) Federal public holidays for federal employees in accordance with 5 U.S.C. 6103.

(ii) Fires, floods, earthquakes, unusually severe weather to include snow storms, tornadoes and hurricanes.

(iii) Occupational safety or health hazards.

(iv) Non-appropriation of funds by Congress.

(v) Any other reason.

(3) In such events, the contractor employees may be denied access to a NASA facility, in part or in whole, to perform work required by the contract. Contractor personnel already present at a NASA facility during such events may be required to leave the facility.

(b) In all instances where contractor employees are denied access or required to vacate a NASA facility, in part or in whole, the contractor shall be responsible to ensure contractor personnel working under the contract comply. If the circumstances permit, the contracting officer will provide direction to the contractor, which could include continuing on-site performance during the NASA facility closure period. In the absence of such direction, the contractor shall exercise sound judgment to minimize unnecessary contract costs and performance impacts by, for example, performing required work off-site if possible or reassigning personnel to other activities if appropriate.

(c) The contractor shall be responsible for monitoring the local radio, television stations, NASA Web sites, other communications channels, for example contracting officer notification, that the NASA facility is accessible. Once accessible the contractor shall resume contract performance as required by the contract.

(d) For the period that NASA facilities were not accessible to contractor employees, the contracting officer may—

(1) Adjust the contract performance or delivery schedule for a period equivalent to the period the NASA facility was not accessible;

(2) Forego the work;

(3) Reschedule the work by mutual agreement of the parties; or

(4) Consider properly documented requests for equitable adjustment, claim, or any other remedy pursuant to the terms and conditions of the contract.

(e) Notification procedures of a NASA facility closure, including contractor denial of access, as follows:

(1) The contractor shall be responsible for monitoring the local radio, television stations, NASA Web sites, other communications channels, for example contracting officer notification, for announcement of a NASA facility closure to include denial of access to the NASA facility. The contractor shall be responsible for notification of its employees of the NASA facility closure to include denial of access to the NASA facility. The dismissal of NASA employees in accordance with statute and regulations providing for such dismissals shall not, in itself, equate to a NASA facility closure in which contractor employees are denied access. Moreover, the leave status of NASA employees shall not be conveyed or imputed to contractor personnel. Accordingly, unless a NASA facility is closed and the contractor is denied access to the facility, the contractor shall continue performance in accordance with the contract.

(2) NASA's Emergency Notification System (ENS). ENS is a NASA-wide Emergency Notification and Accountability System that provides NASA the ability to send messages, both Agency-related and/or Center-related, in the event of an emergency or emerging situation at a NASA facility. Notification is provided via multiple communication devices, e.g. Email, text, cellular, home/office numbers. The ENS provides the capability to respond to notifications and provide the safety status. Contractor employees may register for these notifications at the ENS Web site:

<http://www.hq.nasa.gov/office/ops/nasaonly/ENSinformation.html>.

(End of clause)

#### **H.4 GSFC 52.204-99 CONTRACTOR PERSONNEL—IDENTIFICATION, ONSITE REPORTING, AND CHECKOUT PROCEDURES (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 F*, 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 F* 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:

- (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.5 GSFC 52.211-95 GOVERNMENT PREMISES—PHYSICAL ACCESS AND COMPLIANCE WITH PROCEDURES (FEB 2016)**

(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 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=21144](https://gs279gdmsias.gsfc.nasa.gov/srv/GDMSNEWDatabaseObject?document_id=21144)
- (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 Program
- (7) GPR 1700.5, Control of Hazardous Energy (Lockout/Tagout)
- (8) GPR 1700.6, Confined Space Program at GSFC
- (9) GPR 1700.7, Electrical Safety
- (10) GPR 1700.8, GSFC Hazard Communication Program
- (11) GPR 1800.1, GSFC Smoking and Other Tobacco Use Requirements
- (12) GPR 1800.6, Occupational Health, Medicine and Employee Assistance Programs
- (13) GPR 1840.2, Industrial Hygiene Program
- (14) GPR 1860.1, Ionizing Radiation Protection
- (15) GPR 1860.2, Laser Radiation Protection
- (16) GPR 1860.3, Radio Frequency Radiation Protection
- (17) GPR 1860.4, Ultraviolet and High Intensity Light Radiation Protection
- (18) NPD 2540.1, Personal Use of Government Office Equipment Including Information Technology
- (19) GPR 2570.1, Spectrum Management and Radio Frequency (RF) Equipment Licensing
- (20) NPR 3713.3, Anti-Harassment Procedures
- (21) GPD 8500.1, Environmental Policy and Program Management
- (22) GPR 8621.4, GSFC Mishap Preparedness and Contingency Plan
- (23) GPR 8710.2, GSFC Emergency Management Program Plan
- (24) GPR 8710.7, Cryogenic Safety
- (25) GPR 8710.8, GSFC Safety Program Management
- (26) GPD 8715.1, GSFC Safety Policy
- (27) GPR 8715.1, Processing of NASA Safety Reporting System (NSRS) Incident Reports
- (28) GPR 8715.8, Fall Protection Requirements for GSFC

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 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.6 GSFC 52.219-90 SMALL BUSINESS SUBCONTRACTING PLAN AND REPORTS (NOV 2016)**

### **a. Subcontracting Plan (Contractor)**

FAR clause 52.219-9, "Small Business Subcontracting Plan", is included in this contract. The agreed to Subcontracting Plan required by the clause is included as an attachment to the contract.

### **b. Subcontracting Plan (Subcontractors)**

In accordance with FAR clause 52.219-9 Small Business Subcontracting Plan, the Contractor must require that certain subcontractors adopt a plan similar to the Plan agreed to between the Contractor and the Government.

### **c. Individual Subcontract Reports (ISRs)**

The Contractor shall prepare and submit their Individual Subcontract Reports (ISRs) (formerly known as the Standard Form 294), in accordance with the instructions listed in the Electronic Subcontract Reporting System (eSRS), available at <http://esrs.gov>.

ISRs must be submitted electronically in eSRS on a semi-annual basis. This report must be received no later than April 30 and October 30 each year for the reporting periods ending March 31 and September 30, respectively. Reports are required when due, regardless of whether there has been any subcontracting activity since the inception of the contract or since the last reporting period.

A final ISR must be submitted after contract completion. The final ISR submittal must be received no later than the due date for what would have been the next semi-annual report.

### **d. Summary Subcontract Reports (SSRs)**

The Contractor shall prepare and submit Summary Subcontract Reports (SSRs) (formerly known as the Standard Form 295), in accordance with the instructions listed in the eSRS,

available at <http://esrs.gov> and in accordance with FAR clause 52.219-9 Small Business Subcontracting Plan of this contract.

The SSRs must be submitted electronically in eSRS on an annual basis. This report must be submitted no later than October 30 each year for the twelve month period ending September 30.

e. Subcontractor Reporting

FAR clause 52.219-9 Small Business Subcontracting Plan requires that the Contractor ensure that ISR and SSR reports are submitted by those subcontractors that have been required to adopt a Subcontracting Plan under the terms of the clause. These subcontractor reports must be submitted as required by paragraphs (c) and (d) above. The reports may be submitted through the Contractor or submitted directly. Regardless, the Contractor is responsible for ensuring proper and timely submittal of the required reports.

(End of clause)

**H.7 GSFC 52.223-91 SAFETY AND HEALTH--ADDITIONAL REQUIREMENTS (JUN 2016)**

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 Safety Division, Code 360, 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 [GSFC-OccSafetyOffice@nasa.gov](mailto:GSFC-OccSafetyOffice@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](mailto:Hernan.Castellanos@nasa.gov).

(End of clause)

**H.8 GSFC 52.227-93 APPLICABILITY OF RIGHTS IN DATA – SPECIAL WORKS (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.9 GSFC 52.227-99 RIGHTS IN DATA (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)

(End of Section H)

## **SECTION I-CONTRACT CLAUSES**

### **I.1 CLAUSES INCORPORATED BY REFERENCE -- SECTION I**

***52.202-1 DEFINITIONS (NOV 2013)***

***52.203-3 GRATUITIES (APR 1984)***

***52.203-5 COVENANT AGAINST CONTINGENT FEES (MAY 2014)***

***52.203-6 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (SEP 2006)***

***52.203-7 ANTI-KICKBACK PROCEDURES. (MAY 2014)***

***52.203-8 CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)***

***52.203-10 PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (MAY 2014)***

***52.203-12 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (OCT 2010)***

***52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT (OCT 2015)***

***52.203-14 DISPLAY OF HOTLINE POSTER(S) (OCT 2015)***

(b)(3) Any required posters may be obtained as follows: <http://oig.nasa.gov/hotline.htm>, Inspector General Hotline Posters may be obtained from NASA Office of Inspector General, Code W, Washington, DC 20546-0001

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

***52.204-2 SECURITY REQUIREMENTS. (AUG 1996)***

***52.204-4 PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER (MAY 2011)***

***52.204-9 PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)***

***52.204-10 REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (OCT 2016)***

**52.204-13 SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (OCT 2016)**

**52.204-15 SERVICE CONTRACT REPORTING REQUIREMENTS FOR INDEFINITE-DELIVERY CONTRACTS (OCT 2016)**

**52.204-18 COMMERCIAL AND GOVERNMENT ENTITY CODE MAINTENANCE (JUL 2016)**

**52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (OCT 2015)**

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

**52.209-10 PROHIBITION ON CONTRACTING WITH INVERTED DOMESTIC CORPORATIONS. (NOV 2015)**

**52.210-1 MARKET RESEARCH. (APR 2011)**

**52.215-2 AUDIT AND RECORDS - NEGOTIATION. (OCT 2010)**

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

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

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

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

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

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

**52.215-19 NOTIFICATION OF OWNERSHIP CHANGES. (OCT 1997)**

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

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

**52.216-7 ALLOWABLE COST AND PAYMENT. (JUN 2013)**

(a)(3) The designated payment office will make interim payments for contract financing on the “30<sup>th</sup>” day after the designated billing office receives a proper payment request.

**52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)**

The Contracting Officer may exercise the option by written notice to the Contractor within 30 days before the contract expiration date.

**52.219-4 NOTICE OF PRICE EVALUATION PREFERENCE FOR HUBZONE SMALL BUSINESS CONCERNS (OCT 2014)****52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS (NOV 2016)****52.219-16 LIQUIDATED DAMAGES—SUBCONTRACTING PLAN (JAN 1999)****52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION (JUL 2013)****52.222-1 NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)****52.222-2 PAYMENT FOR OVERTIME PREMIUMS (JUL 1990)**

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

**52.222-3 CONVICT LABOR (JUN 2003)****52.222-21 PROHIBITION OF SEGREGATED FACILITIES (APR 2015)****52.222-26 EQUAL OPPORTUNITY (SEP 2016)****52.222-29 NOTIFICATION OF VISA DENIAL (APR 2015)****52.222-37 EMPLOYMENT REPORTS ON VETERANS (FEB 2016)****52.222-40 NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT (DEC 2010)****52.222-41 SERVICE CONTRACT LABOR STANDARDS (MAY 2014)****52.222-50 COMBATING TRAFFICKING IN PERSONS (MAR 2015)****52.222-54 EMPLOYMENT ELIGIBILITY VERIFICATION (OCT 2015)****52.222-55 MINIMUM WAGES UNDER EXECUTIVE ORDER 13658 (DEC 2015)****52.223-2 AFFIRMATIVE PROCUREMENT OF BIOBASED PRODUCTS UNDER**

***SERVICE AND CONSTRUCTION CONTRACTS (SEP 2013)***

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

***52.223-6 DRUG-FREE WORKPLACE (MAY 2001)***

***52.223-10 WASTE REDUCTION PROGRAM (MAY 2011)***

***52.223-13 ACQUISITION OF EPEAT® -REGISTERED IMAGING EQUIPMENT  
(JUN 2014)***

***52.223-14 ACQUISITION OF EPEAT® -REGISTERED TELEVISIONS (JUN 2014)***

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

***52.223-16 ACQUISITION OF EPEAT® -REGISTERED PERSONAL COMPUTER  
PRODUCTS (OCT 2015)***

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

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

***52.225-1 BUY AMERICAN —SUPPLIES (MAY 2014)***

***52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUN 2008)***

***52.227-11 PATENT RIGHTS—OWNERSHIP BY THE CONTRACTOR (MAY 2014)  
AS MODIFIED BY 1852.227-11 (APR 2015)***

***52.227-16 ADDITIONAL DATA REQUIREMENTS (JUN 1987)***

***52.227-17 RIGHTS IN DATA—SPECIAL WORKS (DEC 2007) AS MODIFIED BY  
1852.227-17 (JUL 1997)***

(f) Whenever the words “establish” and “establishment” are used in this clause, with reference to a claim to copyright, they shall be construed to mean “assert” and “assertion”, respectively.

***52.227-21 TECHNICAL DATA DECLARATION, REVISION, AND WITHHOLDING  
OF PAYMENT—MAJOR SYSTEMS. (MAY 2014)***

- 52.228-7 INSURANCE—LIABILITY TO THIRD PERSONS (MAR 1996)*
- 52.230-2 COST ACCOUNTING STANDARDS (OCT 2015)*
- 52.230-6 ADMINISTRATION OF COST ACCOUNTING STANDARDS (JUN 2010)*
- 52.232-9 LIMITATION ON WITHHOLDING OF PAYMENTS (APR 1984)*
- 52.232-17 INTEREST (MAY 2014)*
- 52.232-22 LIMITATION OF FUNDS (APR 1984)*
- 52.232-23 ASSIGNMENT OF CLAIMS (MAY 2014)*
- 52.232-25 PROMPT PAYMENT (JUL 2013) ALTERNATE I (FEB 2002)*
- 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER—SYSTEM FOR AWARD MANAGEMENT (JUL 2013)*
- 52.232-39 UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS (JUN 2013)*
- 52.233-1 DISPUTES (MAY 2014) ALTERNATE I (DEC 1991)*
- 52.233-3 PROTEST AFTER AWARD (AUG 1996) ALTERNATE I (JUN 1985)*
- 52.233-4 APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM (OCT 2004)*
- 52.237-2 PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION (APR 1984)*
- 52.237-3 CONTINUITY OF SERVICES (JAN 1991)*
- 52.239-1 PRIVACY OR SECURITY SAFEGUARDS (AUG 1996)*
- 52.242-1 NOTICE OF INTENT TO DISALLOW COSTS (APR 1984)*
- 52.242-3 PENALTIES FOR UNALLOWABLE COSTS (MAY 2014)*
- 52.242-4 CERTIFICATION OF FINAL INDIRECT COSTS (JAN 1997)*
- 52.242-13 BANKRUPTCY (JUL 1995)*
- 52.243-2 CHANGES—COST REIMBURSEMENT (APR 1987) ALTERNATE II*

**(APR 1984)**

**52.243-7 NOTIFICATION OF CHANGES (APR 1984)**

- (b) within 10 calendar days
- (d) within 14 calendar days

**52.244-2 SUBCONTRACTS (OCT 2010)**

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts: **Professional and Consultant costs as defined in FAR 31.205-33**

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations: **NONE**

**52.244-5 COMPETITION IN SUBCONTRACTING (DEC 1996)**

**52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS (NOV 2016)**

**52.245-1 GOVERNMENT PROPERTY (APR 2012)**

**52.245-9 USE AND CHARGES (APR 2012)**

**52.246-25 LIMITATION OF LIABILITY—SERVICES (FEB 1997)**

**52.247-1 COMMERCIAL BILL OF LADING NOTATIONS (FEB 2006)**

(a) If the Government is shown as the consignor or the consignee, the annotation shall be: "Transportation is for the **NASA Goddard Space Flight Center (GSFC)** and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government."

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be: "Transportation is for the **NASA/GSFC** and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract # **NNG17HP02C**. This may be confirmed by contacting **Contracting Officer, Code 210.6 Greenbelt, MD 20771.**"

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

**52.249-6 TERMINATION (COST-REIMBURSEMENT) (MAY 2004)**

**52.249-14 EXCUSABLE DELAYS (APR 1984)**

**52.251-1 GOVERNMENT SUPPLY SOURCES (APR 2012)**

**52.253-1 COMPUTER GENERATED FORMS (JAN 1991)**

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

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

***1852.204-75 SECURITY CLASSIFICATION REQUIREMENTS (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 **SECRET**. See Federal Acquisition Regulation clause 52.204-2 in this contract and DD Form 254, Contract Security Classification Specification, Attachment M.

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

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

***1852.216-80 TASK ORDERING PROCEDURE (OCT 1996)***

(c) Within **14** calendar days after receipt of the Contracting Officer's request, the Contractor shall submit a task plan conforming to the request.

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

***1852.216-89 ASSIGNMENT AND RELEASE FORMS (AUG 2016)***

***1852.219-75 INDIVIDUAL SUBCONTRACTING REPORTS (APR 2015)***

***1852.219-77 NASA MENTOR-PROTÉGÉ PROGRAM (APR 2015)***

***1852.219-79 MENTOR REQUIREMENTS AND EVALUATION (APR 2015)***

***1852.223-74 DRUG- AND ALCOHOL-FREE WORKFORCE (NOV 2015)***

***1852.227-19 COMMERCIAL COMPUTER SOFTWARE--RESTRICTED RIGHTS (JUL 1997)***

***1852.228-75 MINIMUM INSURANCE COVERAGE (OCT 1988)***

***1852.237-70 EMERGENCY EVACUATION PROCEDURES (DEC 1988)***

***1852.242-78 EMERGENCY MEDICAL SERVICES AND EVACUATION (APR 2001)***

***1852.243-71 SHARED SAVINGS (MAR 1997)***

(End of Reference Section)

## **I.2 52.204-1 APPROVAL OF CONTRACT (DEC 1989)**

This contract is subject to the written approval of *NASA GSFC Procurement Officer* and shall not be binding until so approved.

(End of clause)

## **I.3 52.216-18 ORDERING (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 during the contract effective ordering period specified in clause F.2.*

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

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

(End of clause)

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

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than **\$2,500**, 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 **\$75,000,000**;

(2) Any order for a combination of items in excess of **\$150,000,000**; or

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

(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) above.

(d) Notwithstanding paragraphs (b) and (c) above, 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)* days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of clause)

#### **I.5 52.216-22 INDEFINITE QUANTITY (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 *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 contract's effective ordering period.*

(End of clause)

#### **I.6 52.219-9 SMALL BUSINESS SUBCONTRACTING PLAN (NOV 2016) (ALTERNATE II) (NOV 2016)**

(a) This clause does not apply to small business concerns.

(b) Definitions. As used in this clause—

Alaska Native Corporation (ANC) means any Regional Corporation, Village Corporation, Urban Corporation, or Group Corporation organized under the laws of the State of Alaska in accordance with the Alaska Native Claims Settlement Act, as amended

(43 U.S.C. 1601, et seq.) and which is considered a minority and economically disadvantaged concern under the criteria at 43 U.S.C. 1626(e)(1). This definition also includes ANC direct and indirect subsidiary corporations, joint ventures, and partnerships that meet the requirements of 43 U.S.C. 1626(e)(2).

Commercial item means a product or service that satisfies the definition of commercial item in section 2.101 of the Federal Acquisition Regulation.

Commercial plan means a subcontracting plan (including goals) that covers the offeror's fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof (e.g., division, plant, or product line).

Electronic Subcontracting Reporting System (eSRS) means the Governmentwide, electronic, web-based system for small business subcontracting program reporting. The eSRS is located at <http://www.esrs.gov>.

Indian tribe means any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act (43 U.S.C.A. 1601 et seq.), that is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs in accordance with 25 U.S.C. 1452(c). This definition also includes Indian-owned economic enterprises that meet the requirements of 25 U.S.C. 1452(e).

Individual subcontracting plan means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the offeror's planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

Master subcontracting plan means a subcontracting plan that contains all the required elements of an individual subcontracting plan, except goals, and may be incorporated into individual subcontracting plans, provided the master subcontracting plan has been approved.

Subcontract means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

Total contract dollars means the final anticipated dollar value, including the dollar value of all options.

(c) (1) Proposals submitted in response to this solicitation shall include a subcontracting plan that separately addresses subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns. If the Offeror

is submitting an individual subcontracting plan, the plan must separately address subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate a subcontracting plan shall make the Offeror ineligible for award of a contract.

(2)(i) The Contractor may accept a subcontractor's written representations of its size and socioeconomic status as a small business, small disadvantaged business, veteran-owned small business, service-disabled veteran-owned small business, or a women-owned small business if the subcontractor represents that the size and socioeconomic status representations with its offer are current, accurate, and complete as of the date of the offer for the subcontract.

(ii) The Contractor may accept a subcontractor's representations of its size and socioeconomic status as a small business, small disadvantaged business, veteran-owned small business, service-disabled veteran-owned small business, or a women-owned small business in the System for Award Management (SAM) if—

(A) The subcontractor is registered in SAM; and

(B) The subcontractor represents that the size and socioeconomic status representations made in SAM are current, accurate and complete as of the date of the offer for the subcontract.

(iii) The Contractor may not require the use of SAM for the purposes of representing size or socioeconomic status in connection with a subcontract.

(iv) In accordance with 13 CFR 121.411, 124.1015, 125.29, 126.900, and 127.700, a contractor acting in good faith is not liable for misrepresentations made by its subcontractors regarding the subcontractor's size or socioeconomic status.

(d) The Offeror's subcontracting plan shall include the following:

(1) Separate goals, expressed in terms of total dollars subcontracted, and as a percentage of total planned subcontracting dollars, for the use of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. For individual subcontracting plans, and if required by the Contracting Officer, goals shall also be expressed in terms of percentage of total contract dollars, in addition to the goals expressed as a percentage of total subcontract dollars. The Offeror shall include all subcontracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs. In accordance with 43 U.S.C. 1626—

(i) Subcontracts awarded to an ANC or Indian tribe shall be counted towards the subcontracting goals for small business and small disadvantaged business concerns, regardless of the size or Small Business Administration certification status of the ANC or Indian tribe; and

(ii) Where one or more subcontractors are in the subcontract tier between the prime Contractor and the ANC or Indian tribe, the ANC or Indian tribe shall designate the appropriate Contractor(s) to count the subcontract towards its small business and small disadvantaged business subcontracting goals.

(A) In most cases, the appropriate Contractor is the Contractor that awarded the subcontract to the ANC or Indian tribe.

(B) If the ANC or Indian tribe designates more than one Contractor to count the subcontract toward its goals, the ANC or Indian tribe shall designate only a portion of the total subcontract award to each Contractor. The sum of the amounts designated to various Contractors cannot exceed the total value of the subcontract.

(C) The ANC or Indian tribe shall give a copy of the written designation to the Contracting Officer, the prime Contractor, and the subcontractors in between the prime Contractor and the ANC or Indian tribe within 30 days of the date of the subcontract award.

(D) If the Contracting Officer does not receive a copy of the ANC's or the Indian tribe's written designation within 30 days of the subcontract award, the Contractor that awarded the subcontract to the ANC or Indian tribe will be considered the designated Contractor. =

(2) A statement of—

(i) Total dollars planned to be subcontracted for an individual subcontracting plan; or the Offeror's total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;

(ii) Total dollars planned to be subcontracted to small business concerns (including ANC and Indian tribes);

(iii) Total dollars planned to be subcontracted to veteran-owned small business concerns;

(iv) Total dollars planned to be subcontracted to service-disabled veteran-owned small business;

(v) Total dollars planned to be subcontracted to HUBZone small business concerns;

(vi) Total dollars planned to be subcontracted to small disadvantaged business concerns (including ANCs and Indian tribes); and

(vii) Total dollars planned to be subcontracted to women-owned small business concerns.

(3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to—

(i) Small business concerns;

(ii) Veteran-owned small business concerns;

(iii) Service-disabled veteran-owned small business concerns;

(iv) HUBZone small business concerns;

(v) Small disadvantaged business concerns; and

(vi) Women-owned small business concerns.

(4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.

(5) A description of the method used to identify potential sources for solicitation purposes (e.g., existing company source lists, SAM, veterans service organizations, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in SAM as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small, veteran-owned small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business source list. Use of SAM as its source list does not relieve a firm of its responsibilities (e.g., outreach, assistance, counseling, or publicizing subcontracting opportunities) in this clause.

(6) A statement as to whether or not the Offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with—

(i) Small business concerns (including ANC and Indian tribes);

(ii) Veteran-owned small business concerns;

(iii) Service-disabled veteran-owned small business concerns;

(iv) HUBZone small business concerns;

(v) Small disadvantaged business concerns (including ANC and Indian tribes); and

(vi) Women-owned small business concerns.

(7) The name of the individual employed by the Offeror who will administer the Offeror's subcontracting program, and a description of the duties of the individual.

(8) A description of the efforts the Offeror will make to assure that small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

(9) Assurances that the Offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the Offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$700,000 (\$1.5 million for construction of any public facility) with further subcontracting possibilities to adopt a subcontracting plan that complies with the requirements of this clause.

(10) Assurances that the Offeror will—

(i) Cooperate in any studies or surveys as may be required;

(ii) Submit periodic reports so that the Government can determine the extent of compliance by the Offeror with the subcontracting plan;

(iii) After November 30, 2017, include subcontracting data for each order when reporting subcontracting achievements for indefinite-delivery, indefinite-quantity contracts intended for use by multiple agencies;

(iv) Submit the Individual Subcontract Report (ISR) and/or the Summary Subcontract Report (SSR), in accordance with paragraph (l) of this clause using the Electronic Subcontracting Reporting System (eSRS) at <http://www.esrs.gov>. The reports shall provide information on subcontract awards to small business concerns (including ANCs and Indian tribes that are not small businesses), veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns (including ANCs and Indian tribes that have not been certified by SBA as small disadvantaged businesses), women-owned small business concerns, and for NASA only, Historically Black Colleges and Universities and Minority Institutions. Reporting shall be in accordance with this clause, or as provided in agency regulations;

(v) Ensure that its subcontractors with subcontracting plans agree to submit the ISR and/or the SSR using eSRS;

(vi) Provide its prime contract number, its DUNS number, and the email address of the Offeror's official responsible for acknowledging receipt of or rejecting the ISRs, to all

first-tier subcontractors with subcontracting plans so they can enter this information into the eSRS when submitting their ISRs; and

(vii) Require that each subcontractor with a subcontracting plan provide the prime contract number, its own DUNS number, and the email address of the subcontractor's official responsible for acknowledging receipt of or rejecting the ISRs, to its subcontractors with subcontracting plans.

(11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offeror's efforts to locate small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):

(i) Source lists (e.g., SAM), guides, and other data that identify small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.

(ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.

(iii) Records on each subcontract solicitation resulting in an award of more than \$150,000, indicating—

(A) Whether small business concerns were solicited and, if not, why not;

(B) Whether veteran-owned small business concerns were solicited and, if not, why not;

(C) Whether service-disabled veteran-owned small business concerns were solicited and, if not, why not;

(D) Whether HUBZone small business concerns were solicited and, if not, why not;

(E) Whether small disadvantaged business concerns were solicited and, if not, why not;

(F) Whether women-owned small business concerns were solicited and, if not, why not; and

(G) If applicable, the reason award was not made to a small business concern.

(iv) Records of any outreach efforts to contact—

(A) Trade associations;

(B) Business development organizations;

(C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, service-disabled veteran-owned, and women-owned small business sources; and

(D) Veterans service organizations.

(v) Records of internal guidance and encouragement provided to buyers through—

(A) Workshops, seminars, training, etc.; and

(B) Monitoring performance to evaluate compliance with the program's requirements.

(vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.

(12) Assurances that the Offeror will make a good faith effort to acquire articles, equipment, supplies, services, or materials, or obtain the performance of construction work from the small business concerns that it used in preparing the bid or proposal, in the same or greater scope, amount, and quality used in preparing and submitting the bid or proposal. Responding to a request for a quote does not constitute use in preparing a bid or proposal. The Offeror used a small business concern in preparing the bid or proposal if—

(i) The Offeror identifies the small business concern as a subcontractor in the bid or proposal or associated small business subcontracting plan, to furnish certain supplies or perform a portion of the subcontract; or

(ii) The Offeror used the small business concern's pricing or cost information or technical expertise in preparing the bid or proposal, where there is written evidence of an intent or understanding that the small business concern will be awarded a subcontract for the related work if the Offeror is awarded the contract.

(13) Assurances that the Contractor will provide the Contracting Officer with a written explanation if the Contractor fails to acquire articles, equipment, supplies, services or materials or obtain the performance of construction work as described in (d)(12) of this clause. This written explanation must be submitted to the Contracting Officer within 30 days of contract completion.

(14) Assurances that the Contractor will not prohibit a subcontractor from discussing with the Contracting Officer any material matter pertaining to payment to or utilization of a subcontractor.

(e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:

(1) Assist small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(2) Provide adequate and timely consideration of the potentialities of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Confirm that a subcontractor representing itself as a HUBZone small business concern is certified by SBA as a HUBZone small business concern in accordance with 52.219-8(d)(2).

(5) Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small, veteran-owned small business, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractor's subcontracting plan.

(6) For all competitive subcontracts over the simplified acquisition threshold in which a small business concern received a small business preference, upon determination of the successful subcontract offeror, prior to award of the subcontract the Contractor must inform each unsuccessful small business subcontract offeror in writing of the name and location of the apparent successful offeror and if the successful subcontract offeror is a small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concern.

(7) Assign each subcontract the NAICS code and corresponding size standard that best describes the principal purpose of the subcontract.

(f) A master subcontracting plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the Offeror by this clause; provided—

(1) The master subcontracting plan has been approved;

(2) The Offeror ensures that the master subcontracting plan is updated as necessary and provides copies of the approved master subcontracting plan, including evidence of its approval, to the Contracting Officer; and

(3) Goals and any deviations from the master subcontracting plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offeror's planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Once the Contractor's commercial plan has been approved, the Government will not require another subcontracting plan from the same Contractor while the plan remains in effect, as long as the product or service being provided by the Contractor continues to meet the definition of a commercial item. A Contractor with a commercial plan shall comply with the reporting requirements stated in paragraph (d)(10) of this clause by submitting one SSR in eSRS for all contracts covered by its commercial plan. This report shall be acknowledged or rejected in eSRS by the Contracting Officer who approved the plan. This report shall be submitted within 30 days after the end of the Government's fiscal year.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

(i) A contract may have no more than one subcontracting plan. When a contract modification exceeds the subcontracting plan threshold in 19.702(a), or an option is exercised, the goals of the existing subcontracting plan shall be amended to reflect any new subcontracting opportunities. When the goals in a subcontracting plan are amended, these goal changes do not apply retroactively.

(j) Subcontracting plans are not required from subcontractors when the prime contract contains the clause at 52.212-5, Contract Terms and Conditions Required to Implement Statutes or Executive Orders—Commercial Items, or when the subcontractor provides a commercial item subject to the clause at 52.244-6, Subcontracts for Commercial Items, under a prime contract.

(k) The failure of the Contractor or subcontractor to comply in good faith with (1) the clause of this contract entitled "Utilization Of Small Business Concerns," or (2) an

approved plan required by this clause, shall be a material breach of the contract and may be considered in any past performance evaluation of the Contractor.

(l) The Contractor shall submit ISRs and SSRs using the web-based eSRS at <http://www.esrs.gov>. Purchases from a corporation, company, or subdivision that is an affiliate of the Contractor or subcontractor are not included in these reports. Subcontract awards by affiliates shall be treated as subcontract awards by the Contractor. Subcontract award data reported by the Contractor and subcontractors shall be limited to awards made to their immediate next-tier subcontractors. Credit cannot be taken for awards made to lower tier subcontractors, unless the Contractor or subcontractor has been designated to receive a small business or small disadvantaged business credit from an ANC or Indian tribe. Only subcontracts involving performance in the United States or its outlying areas should be included in these reports with the exception of subcontracts under a contract awarded by the State Department or any other agency that has statutory or regulatory authority to require subcontracting plans for subcontracts performed outside the United States and its outlying areas.

(1) **ISR.** This report is not required for commercial plans. The report is required for each contract containing an individual subcontracting plan.

(i) The report shall be submitted semi-annually during contract performance for the periods ending March 31 and September 30. A report is also required for each contract within 30 days of contract completion. Reports are due 30 days after the close of each reporting period, unless otherwise directed by the Contracting Officer. Reports are required when due, regardless of whether there has been any subcontracting activity since the inception of the contract or the previous reporting period. When the Contracting Officer rejects an ISR, the Contractor shall submit a corrected report within 30 days of receiving the notice of ISR rejection.

(ii)(A) When a subcontracting plan contains separate goals for the basic contract and each option, as prescribed by FAR 19.704(c), the dollar goal inserted on this report shall be the sum of the base period through the current option; for example, for a report submitted after the second option is exercised, the dollar goal would be the sum of the goals for the basic contract, the first option, and the second option.

(B) If a subcontracting plan has been added to the contract pursuant to 19.702(a)(3) or 19.301-2(e), the Contractor's achievements must be reported in the ISR on a cumulative basis from the date of incorporation of the subcontracting plan into the contract.

(iii) When a subcontracting plan includes indirect costs in the goals, these costs must be included in this report.

(iv) The authority to acknowledge receipt or reject the ISR resides—

(A) In the case of the prime Contractor, with the Contracting Officer; and

(B) In the case of a subcontract with a subcontracting plan, with the entity that awarded the subcontract.

(2) SSR. (i) Reports submitted under individual subcontracting plans.

(A) This report encompasses all subcontracting under prime contracts and subcontracts with an executive agency, regardless of the dollar value of the subcontracts. This report also includes indirect costs on a prorated basis when the indirect costs are excluded from the subcontracting goals.

(B) The report may be submitted on a corporate, company or subdivision (e.g. plant or division operating as a separate profit center) basis, unless otherwise directed by the agency.

(C) If the Contractor or a subcontractor is performing work for more than one executive agency, a separate report shall be submitted to each executive agency covering only that agency's contracts, provided at least one of that agency's contracts is over \$700,000 (over \$1.5 million for construction of a public facility) and contains a subcontracting plan. For DoD, a consolidated report shall be submitted for all contracts awarded by military departments/agencies and/or subcontracts awarded by DoD prime contractors.

(D) The report shall be submitted annually by October 30 for the twelve month period ending September 30. When a Contracting Officer rejects an SSR, the Contractor shall submit a revised report within 30 days of receiving the notice of SSR rejection.

(E) Subcontract awards that are related to work for more than one executive agency shall be appropriately allocated.

(F) The authority to acknowledge or reject SSRs in eSRS, including SSRs submitted by subcontractors with subcontracting plans, resides with the Government agency awarding the prime contracts unless stated otherwise in the contract.

(ii) Reports submitted under a commercial plan.

(A) The report shall include all subcontract awards under the commercial plan in effect during the Government's fiscal year and all indirect costs.

(B) The report shall be submitted annually, within thirty days after the end of the Government's fiscal year.

(C) If a Contractor has a commercial plan and is performing work for more than one executive agency, the Contractor shall specify the percentage of dollars attributable to each agency.

(D) The authority to acknowledge or reject SSRs for commercial plans resides with the Contracting Officer who approved the commercial plan.

(End of clause)

**I.7 52.222-17 NONDISPLACEMENT OF QUALIFIED WORKERS (MAY 2014)**

(a) Service employee, as used in this clause, means any person engaged in the performance of a service contract other than any person employed in a bona fide executive, administrative, or professional capacity, as those terms are defined in 29 CFR part 541. The term “service employee” includes all such persons regardless of any contractual relationship that may be alleged to exist between a contractor or subcontractor and such persons.

(b) The Contractor and its subcontractors shall, except as otherwise provided herein, in good faith offer those service employees employed under the predecessor contract whose employment will be terminated as a result of award of this contract or the expiration of the contract under which the service employees were hired, a right of first refusal of employment under this contract in positions for which the service employees are qualified.

(1) The Contractor and its subcontractors shall determine the number of service employees necessary for efficient performance of this contract and may elect to employ fewer employees than the predecessor Contractor employed in connection with performance of the work.

(2) Except as provided in paragraph (c) of this clause, there shall be no employment opening under this contract, and the Contractor and any subcontractors shall not offer employment under this contract, to any person prior to having complied fully with this obligation.

(i) The successor Contractor and its subcontractors shall make a bona fide express offer of employment to each service employee as provided herein and shall state the time within which the service employee must accept such offer, but in no case shall the period within which the service employee must accept the offer of employment be less than 10 days.

(ii) The successor Contractor and its subcontractors shall decide any question concerning a service employee's qualifications based upon the individual's education and employment history, with particular emphasis on the employee's experience on the predecessor contract, and the Contractor may utilize employment screening processes only when such processes are provided for by the contracting agency, are conditions of the service contract, and are consistent with Executive Order 13495.

(iii) Where the successor Contractor does not initially offer employment to all the predecessor contract service employees, the obligation to offer employment shall continue for 90 days after the successor contractor's first date of performance on the contract.

(iv) An offer of employment will be presumed to be bona fide even if it is not for a position similar to the one the employee previously held, but is one for which the employee is qualified, and even if it is subject to different employment terms and conditions, including changes to pay or benefits. (See 29 CFR 9.12 for a detailed description of a bonafide offer of employment).

(c)(1) Notwithstanding the obligation under paragraph (b) of this clause, the successor Contractor and any subcontractors (i) may employ under this contract any service employee who has worked for the contractor or subcontractor for at least three months immediately preceding the commencement of this contract and who would otherwise face lay-off or discharge, (ii) are not required to offer a right of first refusal to any service employee(s) of the predecessor contractor who are not service employees within the meaning of the Service Contract Labor Standards statute, 41 U.S.C. 6701(3), and (iii) are not required to offer a right of first refusal to any service employee(s) of the predecessor contractor whom the Contractor or any of its subcontractors reasonably believes, based on the particular service employee's past performance, has failed to perform suitably on the job (see 29 CFR 9.12(c)(4) for additional information). The successor Contractor bears the responsibility of demonstrating the appropriateness of claiming any of these exceptions.

(2) In addition, any Contractor or subcontractor that has been certified by the U.S. Small Business Administration as a HUBZone small business concern must ensure that it complies with the statutory and regulatory requirements of the HUBZone Program (e.g., it must ensure that at least 35 percent of all of its employees reside within a HUBZone). The HUBZone small business Contractor or subcontractor must consider whether it can meet the requirements of this clause and Executive Order 13495 while also ensuring it meets the HUBZone Program's requirements.

(3) Nothing in this clause shall be construed to permit a Contractor or subcontractor to fail to comply with any provision of any other Executive order or law. For example, the requirements of the HUBZone Program (see FAR subpart 19.13), Executive Order 11246 (Equal Employment Opportunity), and the Vietnam Era Veterans' Readjustment Assistance Act of 1974 may conflict, in certain circumstances, with the requirements of Executive Order 13495. All applicable laws and Executive orders must be satisfied in tandem with, and if necessary prior to, the requirements of Executive Order 13495, 29 CFR part 9, and this clause.

(d)(1) The Contractor shall, not less than 30 days before completion of the Contractor's performance of services on the contract, furnish the Contracting Officer with a certified list of the names of all service employees working under this contract and its subcontracts at the time the list is submitted. The list shall also contain anniversary dates of employment of each service employee under this contract and its predecessor contracts with either the current or predecessor contractors or their subcontractors. Where changes to the workforce are made after the submission of the certified list described in this paragraph, the Contractor shall, in accordance with paragraph (e) of this clause, not less

than 10 days before completion of the services on this contract, furnish the Contracting Officer with an updated certified list of the names of all service employees employed within the last month of contract performance. The updated list shall also contain anniversary dates of employment, and, where applicable, dates of separation of each service employee under the contract and its predecessor contracts with either the current or predecessor Contractors or their subcontractors.

(2) Immediately upon receipt of the certified service employee list but not before contract award, the contracting officer shall provide the certified service employee list to the successor contractor, and, if requested, to employees of the predecessor contractor or subcontractors or their authorized representatives.

(3) The Contracting Officer will direct the predecessor Contractor to provide written notice (Appendix B to 29 CFR chapter 9) to service employees of their possible right to an offer of employment with the successor contractor. Where a significant portion of the predecessor Contractor's workforce is not fluent in English, the notice shall be provided in English and the language(s) with which service employees are more familiar. The written notice shall be—

(i) Posted in a conspicuous place at the worksite; or

(ii) Delivered to the service employees individually. If such delivery is via email, the notification must result in an electronic delivery receipt or some other reliable confirmation that the intended recipient received the notice.

(e)(1) If required in accordance with 52.222-41(n), the predecessor Contractor shall, not less than 10 days before completion of this contract, furnish the Contracting Officer a certified list of the names of all service employees working under this contract and its subcontracts during the last month of contract performance. The list shall also contain anniversary dates of employment of each service employee under this contract and its predecessor contracts either with the current or predecessor Contractors or their subcontractors. If there are no changes to the workforce before the predecessor contract is completed, then the predecessor Contractor is not required to submit a revised list 10 days prior to completion of performance and the requirements of 52.222-41(n) are met. When there are changes to the workforce after submission of the 30-day list, the predecessor Contractor shall submit a revised certified list not less than 10 days prior to performance completion.

(2) Immediately upon receipt of the certified service employee list but not before contract award, the contracting officer shall provide the certified service employee list to the successor contractor, and, if requested, to employees of the predecessor contractor or subcontractors or their authorized representatives.

(f) The Contractor and subcontractor shall maintain the following records (regardless of format, e.g., paper or electronic) of its compliance with this clause for not less than a period of three years from the date the records were created.

(1) Copies of any written offers of employment or a contemporaneous written record of any oral offers of employment, including the date, location, and attendance roster of any service employee meeting(s) at which the offers were extended, a summary of each meeting, a copy of any written notice that may have been distributed, and the names of the service employees from the predecessor contract to whom an offer was made.

(2) A copy of any record that forms the basis for any exemption claimed under this part.

(3) A copy of the service employee list provided to or received from the contracting agency.

(4) An entry on the pay records of the amount of any retroactive payment of wages or compensation under the supervision of the Administrator of the Wage and Hour Division to each service employee, the period covered by such payment, and the date of payment, and a copy of any receipt form provided by or authorized by the Wage and Hour Division. The Contractor shall also deliver a copy of the receipt to the service employee and file the original, as evidence of payment by the Contractor and receipt by the service employee, with the Administrator or an authorized representative within 10 days after payment is made.

(g) Disputes concerning the requirements of this clause shall not be subject to the general disputes clause (52.233-1) of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR part 9. Disputes within the meaning of this clause include disputes between or among any of the following: The Contractor, the contracting agency, the U.S. Department of Labor, and the service employees under the contract or its predecessor contract. The Contracting Officer will refer any service employee who wishes to file a complaint, or ask questions concerning this contract clause, to the: Branch of Government Contracts Enforcement, Wage and Hour Division, U.S. Department of Labor, 200 Constitution Avenue NW., Washington, DC 20210. Contact email: [displaced@dol.gov](mailto:displaced@dol.gov).

(h) The Contractor shall cooperate in any review or investigation by the Department of Labor into possible violations of the provisions of this clause and shall make such records requested by such official(s) available for inspection, copying, or transcription upon request.

(i) If it is determined, pursuant to regulations issued by the Secretary of Labor (Secretary), that the Contractor or its subcontractors are not in compliance with the requirements of this clause or any regulation or order of the Secretary, appropriate sanctions may be imposed and remedies invoked against the Contractor or its subcontractors, as provided in Executive Order 13495, the regulations, and relevant orders of the Secretary, or as otherwise provided by law.

(j) The Contractor shall take such action with respect to any such subcontract as may be directed by the Secretary of Labor as a means of enforcing such provisions, including the

imposition of sanctions for noncompliance. However, if the Contractor, as a result of such direction, becomes involved in litigation with a subcontractor, or is threatened with such involvement, the Contractor may request that the United States, through the Secretary, enter into such litigation to protect the interests of the United States.

(k) The Contracting Officer will withhold, or cause to be withheld, from the prime Contractor under this or any other Government contract with the same prime Contractor, such sums as an authorized official of the Department of Labor requests, upon a determination by the Administrator, the Administrative Law Judge, or the Administrative Review Board, that there has been a failure to comply with the terms of this clause and that wages lost as a result of the violations are due to service employees or that other monetary relief is appropriate. If the Contracting Officer or the Administrator, upon final order of the Secretary, finds that the Contractor has failed to provide a list of the names of service employees working under the contract, the Contracting Officer may, in his or her discretion, or upon request by the Administrator, take such action as may be necessary to cause the suspension of the payment of contract funds until such time as the list is provided to the Contracting Officer.

(l) Subcontracts. In every subcontract over the simplified acquisition threshold entered into in order to perform services under this contract, the Contractor shall include a provision that ensures—

(1) That each subcontractor will honor the requirements of paragraphs (b) through (c) of this clause with respect to the service employees of a predecessor subcontractor or subcontractors working under this contract, as well as of a predecessor Contractor and its subcontractors;

(2) That the subcontractor will provide the Contractor with the information about the service employees of the subcontractor needed by the Contractor to comply with paragraphs (d) and (e) of this clause; and

(3) The recordkeeping requirements of paragraph (f) of this clause.

(End of clause)

#### **I.8 52.222-35 EQUAL OPPORTUNITY FOR VETERANS (OCT 2015)**

(a) Definitions. As used in this clause—

“Active duty wartime or campaign badge veteran,” “Armed Forces service medal veteran,” “disabled veteran,” “protected veteran,” “qualified disabled veteran,” and “recently separated veteran” have the meanings given at FAR 22.1301.

(b) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-300.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified protected veterans, and requires affirmative action by the

Contractor to employ and advance in employment qualified protected veterans.

(c) Subcontracts. The Contractor shall insert the terms of this clause in subcontracts of \$150,000 or more unless exempted by rules, regulations, or orders of the Secretary of Labor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

(End of clause)

**I.9 52.222-36 EQUAL OPPORTUNITY FOR WORKERS WITH DISABILITIES  
(JUL 2014)**

(a) Equal opportunity clause. The Contractor shall abide by the requirements of the equal opportunity clause at 41 CFR 60-741.5(a), as of March 24, 2014. This clause prohibits discrimination against qualified individuals on the basis of disability, and requires affirmative action by the Contractor to employ and advance in employment qualified individuals with disabilities.

(b) Subcontracts. The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of \$15,000 unless exempted by rules, regulations, or orders of the Secretary, so that such provisions will be binding upon each subcontractor or vendor. The Contractor shall act as specified by the Director, Office of Federal Contract Compliance Programs of the U.S. Department of Labor, to enforce the terms, including action for noncompliance. Such necessary changes in language may be made as shall be appropriate to identify properly the parties and their undertakings.

(End of clause)

**I.10 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES  
(MAY 2014)**

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

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

*The following categories are the non-exempt employees listed in the Government's Position Descriptions.*

*These grades are representative of the equivalent Government salary. The Salary Tables, located in the Office of Personnel Management website, list the hourly rates by*

**Grade and Step.** To determine the exact rate for each employee, use the Step 2 rate for the applicable grade, at the applicable geographic location. Note: The rates will vary depending on the geographic location of the position.

The Salary Tables with the hourly rates can be located at the following website:

<https://www.opm.gov/policy-data-oversight/pay-leave/salaries-wages/2015/general-schedule/>

**WASHINGTON-BALTIMORE-NORTHERN VIRGINIA, DC-MD-VA-WV-PA**

EMPLOYEE CLASS	MONETARY WAGE-fringe benefits	
LABOR CATEGORIES	HOURLY RATES*	GRADE/STEP
General Schedule (GS) Positions		
Engineering Technician I	\$13.70	GS-3
Engineering Technician IV	\$21.32	GS-7

\* Fringes are as follows:

1. Holidays: New Year's Day, Martin Luther King's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving Day, Christmas Day, and Inauguration Day (when applicable).

2. Annual Leave:

Annual Leave Accrual Rates			
Employee Type	Less than 3 years of service *	3 years but less than 15 years of service *	15 or more years of service *
Full-time employees	½ day (4 hours) for each pay period	¾ day (6 hours) for each pay period, except 1¼ day (10 hours) in last pay period	1 day (8 hours) for each pay period
Part-time employees	1 hour for each 20 hours in a pay status	1 hour for each 13 hours in a pay status	1 hour for each 10 hours in a pay status

3. Sick leave:

Sick Leave Accrual	
Description	Time
Full-time employees	1/2 day (4 hours) for each biweekly pay period
Part-time employees	1 hour for each 20 hours in a pay status

4. Life insurance, health insurance, workers' compensation, and Federal Insurance Compensation Act (for temporary employees) at 7 percent of basic hourly rate.

5. Retirement at 7 percent of basic hourly rates for employees hired through December 31, 1985. Retirement at 0.8 percent for employees hired on January 1, 1986, or after.

6. Medicare at 1.45 percent of basic hourly rates for employees.

7. Social Security: 6.2 percent of basic hourly rates for employees hired on or after January 1, 1986, up to a maximum gross annual salary of \$118,500.

(End of clause)

**I.11 52.223-3 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA (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)

TBD on individual task orders	

Identification No.


(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 subparagraph (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.

(1) For items shipped to consignees, the Contractor shall include a copy of the MSDS 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 must be placed in a weather resistant envelope.

(End of clause)

**I.12 52.223-9 ESTIMATE OF PERCENTAGE OF RECOVERED MATERIAL CONTENT FOR EPA- DESIGNATED PRODUCTS (MAY 2008)**

(a) Definitions. As used in this clause—

Postconsumer material means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. Postconsumer material is a part of the broader category of “recovered material.”

Recovered material means waste materials and by-products recovered or diverted from solid waste, but the term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(b) The Contractor, on completion of this contract, shall—

(1) Estimate the percentage of the total recovered material content for EPA-designated item(s) delivered and/or used in contract performance, including, if applicable, the percentage of post-consumer material content; and

(2) Submit this estimate to Contracting Officer, *Code 210.6 and NASA Goddard Space Flight Center, Code 250, Greenbelt, MD 20771.*

(End of clause)

**I.13 52.227-14 RIGHTS IN DATA-GENERAL (MAY 2014)—ALTERNATE II (DEC 2007) AND ALTERNATE III (DEC 2007) AND ALTERNATE IV (DEC 2007) AS MODIFIED BY NASA FAR SUPPLEMENT 1852.227-14 (APR 2015)**

(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 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

(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 the contract. Except as otherwise specifically provided in this contract, the Contractor may assert copyright in any data first produced in the performance of this contract. When asserting copyright, the Contractor shall affix the applicable copyright notice of 17 U.S.C. 401 or 402, and an acknowledgment of Government sponsorship (including contract number), to the data

when such data are delivered to the Government, as well as when the data are published or deposited for registration as a published work in the U.S. Copyright Office. 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 for all such 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 for all such 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.

The contractor shall mark each scientific and technical article based on or containing data first produced in the performance of this contract and submitted for publication in academic, technical or professional journals, symposia proceedings or similar works with a notice, similar in all material respects to the following, on the cover or first page of the article, reflecting the Government's non-exclusive worldwide license in the copyright.

#### GOVERNMENT RIGHTS NOTICE

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(End of Notice)

(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 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 unless the Contracting Officer authorizes through a contract modification.

(ii) The prohibition on “release to others”, as set forth in (d)(4)(i), does not prohibit release to another Federal Agency for its use or its contractors’ use, as long as any such release is consistent with any restrictive markings on the software. Any restrictive markings on the software shall take precedence over the aforementioned release. Any release to a Federal Agency shall limit use to the Federal Agency or its contractors for Government purposes only. Any other release shall require the Contracting Officer’s prior written permission.

(iii) 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)(4)(i) of this clause, the Contracting Officer may direct the contractor to assert, or authorize the assertion of, a claim to copyright in such data and to assign, or obtain the assignment of, such copyright to the Government or its designated assignee.

(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 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.

(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. \_\_\_\_\_ (and subcontract \_\_\_\_\_, 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 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. \_\_\_\_\_ (and subcontract \_\_\_\_\_, 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. \_\_\_\_\_ (and subcontract, if appropriate) with \_\_\_\_\_ (name of Contractor and subcontractor).

(End of notice)

(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.14 52.232-40 PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS (DEC 2013)**

(a) Upon receipt of accelerated payments from the Government, the Contractor shall make accelerated payments to its small business subcontractors under this contract, to the maximum extent practicable and prior to when such payment is otherwise required under the applicable contract or subcontract, after receipt of a proper invoice and all other required documentation from the small business subcontractor.

(b) The acceleration of payments under this clause does not provide any new rights under the Prompt Payment Act.

(c) Include the substance of this clause, including this paragraph (c), in all subcontracts with small business concerns, including subcontracts with small business concerns for the acquisition of commercial items.

(End of clause)

**I.15 52.247-67 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT (FEB 2006)**

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

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

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

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

(c) Contractors shall submit the above referenced transportation documents to:  
*Goddard Space Flight Center, Contracting Officer, Code 210.6 Greenbelt, MD 20771*

(End of clause)

**I.16 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)**

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

*Federal Acquisition Regulation (FAR) provisions,*

<https://www.acquisition.gov/?q=browsefar>

*For NASA FAR Supplement (NFS) provisions,*

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

(End of clause)

**I.17 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)**

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

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

(End of clause)

**I.18 1852.225-71 RESTRICTION ON FUNDING ACTIVITY WITH CHINA.  
(DEVIATION) (FEB 2012)**

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

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

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

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

(End of clause)

**I.19 RESERVED**

**I.20 1852.227-88 GOVERNMENT-FURNISHED COMPUTER SOFTWARE AND RELATED TECHNICAL DATA (APR 2015)**

(a) Definitions. As used in this clause—

“Government-furnished computer software” or “GFCS” means computer software:

(1) In the possession of, or directly acquired by, the Government whereby the Government has title or license rights thereto; and

(2) Subsequently furnished to the Contractor for performance of a Government contract.

“Computer software,” “data” and “technical data” have the meaning provided in the Federal Acquisition Regulations (FAR) Subpart 2.1—Definitions or the Rights in Data—General clause (FAR 52.227-14).

(b) The Government shall furnish to the Contractor the GFCS described in this contract or in writing by the Contracting Officer. The Government shall furnish any related technical data needed for the intended use of the GFCS.

(c) Use of GFCS and related technical data. The Contractor shall use the GFCS and related technical data, and any modified or enhanced versions thereof, only for performing work under this contract unless otherwise provided for in this contract or approved in writing by the Contracting Officer.

(1) The Contractor shall not, without the express written permission of the Contracting Officer, reproduce, distribute copies, prepare derivative works, perform publicly, display publicly, release, or disclose the GFCS or related technical data to any person except for the performance of work under this contract.

(2) The Contractor shall not modify or enhance the GFCS unless this contract specifically identifies the modifications and enhancements as work to be performed. If the GFCS is modified or enhanced pursuant to this contract, the Contractor shall provide to the Government the complete source code, if any, and all related documentation of the modified or enhanced GFCS.

(3) Allocation of rights associated with any GFCS or related technical data modified or enhanced under this contract shall be defined by the FAR Rights in Data clause(s) included in this contract (as modified by any applicable NASA FAR Supplement clauses). If no Rights in Data clause is included in this contract, then the FAR Rights in Data—General (52.227-14) as modified by the NASA FAR Supplement (1852.227-14) shall apply to all data first produced in the performance of this contract and all data delivered under this contract.

(4) The Contractor may provide the GFCS, and any modified or enhanced versions thereof, to subcontractors as necessary for the performance of work under this contract. Before release of the GFCS, and any modified or enhanced versions thereof, to such subcontractors (at any tier), the Contractor shall insert, or require the insertion of, this clause, including this paragraph (c)(4), suitably modified to identify the parties as follows: references to the Government are not changed, and in all references to the Contractor the subcontractor is substituted for the Contractor so that the subcontractor has all rights and obligations of the Contractor in the clause.

(d) The Government provides the GFCS in an “AS-IS” condition. The Government makes no warranty with respect to the serviceability and/or suitability of the GFCS for contract performance.

(e) The Contracting Officer may by written notice, at any time—

(1) Increase or decrease the amount of GFCS under this contract;

(2) Substitute other GFCS for the GFCS previously furnished, to be furnished, or to be acquired by the Contractor for the Government under this contract;

(3) Withdraw authority to use the GFCS or related technical data; or

(4) Instruct the Contractor to return or dispose of the GFCS and related technical data.

(f) Title to or license rights in GFCS. The Government shall retain title to or license rights in all GFCS. Title to or license rights in GFCS shall not be affected by its incorporation into or attachment to any data not owned by or licensed to the Government.

(g) Waiver of Claims and Indemnification. The Contractor agrees to waive any and all claims against the Government and shall indemnify and hold harmless the Government, its agents, and employees from every claim or liability, including attorney's fees, court costs, and expenses, arising out of, or in any way related to, the misuse or unauthorized modification, reproduction, release, performance, display, or disclosure of the GFCS and related technical data by the Contractor, a subcontractor, or by any person to whom the Contractor has released or disclosed such GFCS or related technical data.

(h) Flow-down of Waiver of Claims and Indemnification. In the event a contract includes this NASA FAR Supplement clause 1852.227-88, the Contractor shall include the foregoing clause 1852.227-88(g), suitably modified to identify the parties, in all subcontracts, regardless of tier, which involve use of the GFCS and/or related technical data in any way. At all tiers, the clause shall be modified to define GFCS as it is defined herein and to identify the parties as follows: references to the Government are not changed, and in all references to the Contractor the subcontractor is substituted for the Contractor so that the subcontractor has all rights and obligations of the Contractor in the clause. In subcontracts, at any tier, the Government, the subcontractor, and the Contractor agree that the mutual obligations of the parties created by this clause 1852.227-88 constitute a contract between the subcontractor and the Government with respect to the matters covered by the clause.

(End of clause)

#### **I.21 1852.237-72 ACCESS TO SENSITIVE INFORMATION (JUN 2005)**

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

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

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

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

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

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

(4) Preclude access and disclosure of sensitive information to persons and entities outside of the Contractor's organization.

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

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

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

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

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

(f) The Contractor shall include the substance of this clause, including this paragraph (f),

suitably modified to reflect the relationship of the parties, in all subcontracts that may involve access to sensitive information.

(End of clause)

## **I.22 1852.237-73 RELEASE OF SENSITIVE INFORMATION (JUN 2005)**

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

(b) In accomplishing management activities and administrative functions, NASA relies heavily on the support of various service providers. To support NASA activities and functions, these service providers, as well as their subcontractors and their individual employees, may need access to sensitive information submitted by the Contractor under this contract. By submitting this proposal or performing this contract, the Contractor agrees that NASA may release to its service providers, their subcontractors, and their individual employees, sensitive information submitted during the course of this procurement, subject to the enumerated protections mandated by the clause at 1852.237-72, Access to Sensitive Information.

(c)(1) The Contractor shall identify any sensitive information submitted in support of this proposal or in performing this contract. For purposes of identifying sensitive information, the Contractor may, in addition to any other notice or legend otherwise required, use a notice similar to the following:

Mark the title page with the following legend:

This proposal or document includes sensitive information that NASA shall not disclose outside the Agency and its service providers that support management activities and administrative functions. To gain access to this sensitive information, a service provider's contract must contain the clause at 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.

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

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

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

(5) Preclude access and disclosure of sensitive information to persons and entities outside of the service provider's organization.

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

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

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

(e) When the service provider will have primary responsibility for operating an information technology system for NASA that contains sensitive information, the service provider's contract shall include the clause at 1852.204-76, Security Requirements for Unclassified Information Technology Resources. The Security Requirements clause

requires the service provider to implement an Information Technology Security Plan to protect information processed, stored, or transmitted from unauthorized access, alteration, disclosure, or use. Service provider personnel requiring privileged access or limited privileged access to these information technology systems are subject to screening using the standard National Agency Check (NAC) forms appropriate to the level of risk for adverse impact to NASA missions. The Contracting Officer may allow the service provider to conduct its own screening, provided the service provider employs substantially equivalent screening procedures.

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

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

(End of clause)

(End of Section I)

**SECTION J-LIST OF ATTACHMENTS**

**J.1 GSFC 52.211-101 LIST OF ATTACHMENTS (JUL 2015)**

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

Attachment	Description	Date	No. of Pages (including the cover page)
A	Statement of Work ( <b>GSFC 52.211-91</b> )	2/29/2016	13
B	IDIQ Direct Labor Rates, Indirect Rates and Fee Matrices ( <b>GSFC 52.216-91</b> )	11/14/16	20
C	Financial Management Reporting Requirements ( <b>GSFC 52.242-90</b> )	6/2014	4
D	List of Installation-Accountable Government Property (IAGP) ( <b>NFS 1852.245-71</b> )	3/10/2016	33
E	List of Government-Furnished Property ( <b>NFS 1852.245-76</b> )	3/10/2016	7
F	Personal Identity Verification (PIV) Card Issuance Procedures ( <b>GSFC 52.204-99</b> )	2/2015	5
G	Safety and Health Plan ( <b>FAR 52.236-13 Alt 1</b> )	(TBS) <sup>1</sup>	
H	Small Business Subcontracting Plan ( <b>FAR 52.219-9</b> )	11/14/16	16
I	Contract Historical Data ( <b>GSFC 52.211-91</b> )	3/2015	3
J	Organizational Conflicts of Interest (OCI) Avoidance Plan ( <b>NFS 1852.237-72</b> )	(TBS) <sup>2</sup>	
K	Information Technology (IT) Security Applicable Documents List (ADL) ( <b>NFS 1852.204-76</b> )	6/2016	15
L	IT Security Management Plan ( <b>NFS 1852.204-76</b> )	(TBS) <sup>1</sup>	
M	DD Form 254, Contract Security Classification Specification ( <b>FAR 52.204-2</b> ) ( <b>NFS 1852.204-75</b> )	(TBS) <sup>3</sup>	
N	Department of Labor, Wage Determination (WD) ( <b>FAR 52.222-41</b> )	7/14/2015	11
O	Quality Assurance Plan	11/14/16	27

TBS = To Be Submitted

TBP = To Be Proposed

TBD = To Be Determined

<sup>1</sup> Due 30 days after award

<sup>2</sup> Due 30 days after contract effective date

<sup>3</sup> Due no later than contract effective date

(End of clause)

**STATEMENT OF WORK (SOW)**

Attachment A  
Revision 1

**GROUND SYSTEMS AND MISSION OPERATIONS (GSMO-2)**

**March 13, 2019**

## Work Breakdown Structure

- 1 Management
- 2 Mission Ground System Development
  - 2.1 Systems Engineering
  - 2.2 Engineering Studies
  - 2.3 Facility Engineering
  - 2.4 Ground System Development
    - 2.4.1 Telemetry, Command, and Control
    - 2.4.2 Mission Planning
    - 2.4.3 Network Scheduling
    - 2.4.4 Trending
    - 2.4.5 Flight Dynamics
    - 2.4.6 Level Zero Processing
    - 2.4.7 Analysis Tools
    - 2.4.8 Automation
    - 2.4.9 Information Technology Support
    - 2.4.10 Simulators
    - 2.4.11 Ground Support Equipment (GSE)
  - 2.5 Operations Products
  - 2.6 Integration and Test
- 3 Mission Operations
  - 3.1 System Engineering
  - 3.2 Launch and Early Orbit Support
  - 3.3 Flight Operations
  - 3.4 Network Scheduling
  - 3.5 Flight Dynamics Support
  - 3.6 Mission Data Collection and Distribution
  - 3.7 Sustaining Engineering
    - 3.7.1 Flight Segment
    - 3.7.2 Ground System Software
    - 3.7.3 Ground System Hardware
    - 3.7.4 System Administration and IT Security
    - 3.7.5 Database Administration
- 4 Section 508 Electronic and Information Technology (EIT) Standards

End of WBS

## INTRODUCTION

The purpose of this contract is to acquire engineering services for the Goddard Space Flight Center (GSFC) for ground systems and mission operations support in all phases of a mission life cycle. The scope encompasses concept studies, design, development, integration, test, verification, operations, and sustainment of mission operations systems and subsystems, and operations processes and procedures.

The Government issued task orders will specify the specific work to be performed, including the requirements to be met, the standard(s) of performance, required deliverables or output, government furnished property or information, and applicable documents within this broader contract scope.

The contractor shall adhere to the sections under the following documents, and their updates, applicable to the requirements on this Statement of Work (SOW):

NPR 7120.5, NASA Space Flight Program and Project Management Requirements

NPR 7123.1, NASA Systems Engineering Processes and Requirements  
GPR 8070.4 Administration and application of Goddard Rules for Design, Development, Verification and Operation of Flight Systems

NPR 2810.1, Security of Information Technology  
GPR 1600.1, Goddard Security Requirements

NASA-STD-8719.14, Process for Limiting Orbital Debris  
NPR 8715.6, NASA Procedural Requirements for Limiting Orbital Debris  
GPR 8715.7, GSFC Orbital Debris and End of Mission Program Requirements

GPR-5340.2, Control of Process Nonconformances  
GPR-5340.4, Problem Reporting and Problem Failure Reporting  
GPR-5340.5, On-Orbit Anomaly Management

NPR 2210.1, Release of NASA Software  
GPR 1410.2, Configuration Management  
GPR 1440.8, Records Management  
400-PG1440.7.2, Retention of Program and Project Technical Records by the Code 400 Directorate Library

GPR 8621.4, GSFC Mishap Preparedness and Contingency Plan  
400-PG-8621.1.1, Anomaly Notification System for Flight Programs and Projects

GPR 8070.4, Administration and Application of Goddard Rules for Design, Development, Verification and Operation of Flight Systems

## **1 MANAGEMENT**

The Contractor shall perform all the necessary program management functions in order to plan, implement, execute, track, and report progress of work tasked, and manage risks. The Contractor shall support all Center mandated audits, such as IT Security, Physical Security, Health and Safety, International Organization for Standardization (ISO), and Property.

The Government will provide the facilities and associated support for those functions performed on-site. The Government will provide desktop computing services for administrative functions on-site. On-site property will be Installation (IAGP) Government Property, and will be the Government's responsibility to manage. The Government may issue task orders to direct the Contractor to perform management functions in support of the Government. The Contractor shall manage all property at Contractor locations.

The Contractor shall interface with entities performing work outside the scope of this SOW, such as the Local and Wide Area Network (LAN and WAN), the Flight Dynamics Facility (FDF), and the Near Earth Network (NEN) services, Deep Space Network (DSN) services, and Space Network (SN) services.

The Contractor shall provide the appropriate skill mix, material, and resources necessary to perform work tasked.

The Contractor shall monitor and status performance summarized at the Contract level, including objective measures of technical, schedule, and cost performance.

The Contractor shall provide contract Configuration Management (CM) which includes the development of an approved CM plan which specifies the change control process. Additional CM requirements will be identified in individual task orders. The designated Government representative shall concur on configuration changes before the changes are implemented.

The Contractor shall supply personnel with Secret; Top Secret; and Top Secret/Sensitive Compartmented Information clearances as required by individual task orders.

The Contractor shall provide Task Order processing and status performance on a monthly basis.

## **2 MISSION GROUND SYSTEM DEVELOPMENT**

The Contractor shall support the ground system development phase of the mission life-cycle, by providing systems engineering, performing studies, and performing design, development, integration, and test of systems, subsystems, and procedures and processes to achieve mission objectives.

### **2.1 Systems Engineering**

The Contractor shall provide systems engineering services for mission operations development activities. The Contractor shall provide engineering services related to spacecraft operations, spacecraft subsystems operations and performance analysis, mission planning, payload operations planning, space-to-ground communications, ground-to-ground communications, modeling of spacecraft operations, modeling of communications and ground station operations, spacecraft command systems, and ground processing of telemetry. The Contractor shall provide over-arching systems engineering for the integration of ground system development and implementation with operations processes and procedures to facilitate effective and efficient operations of the flight segment. The Contractor shall provide systems engineering for mission operations to include conducting studies, developing systems, integrating and testing systems, and providing information technology support.

### **2.2 Engineering Studies**

The Contractor shall perform engineering analysis and studies as tasked for operations concept development and definition, system and subsystem trade studies to identify and evaluate alternative approaches, and system definition in support of missions operations.

### **2.3 Facility Engineering**

The Contractor shall provide support for the preparation, design, and integration of facilities in support of mission operations activity. The support includes identification of communications, power, and heating ventilation and air conditioning requirements. The support also includes the configuration of consoles, computer equipment and peripherals, clocks, visual displays, and other systems required for effective and efficient mission operations.

### **2.4 Ground System Development**

The Contractor shall define operations concepts, define system and subsystem requirements, design, develop, and implement systems and subsystems to perform mission operations. These functions may include command and control, telemetry monitoring and event response, planning and scheduling, housekeeping and science data processing, integrated flight dynamics functions,

automation, spacecraft trend analysis, miscellaneous engineering analysis tools, Information Technology support, and development of simulators and Ground Support Equipment (GSE).

#### **2.4.1 Telemetry, Command, and Control**

The Contractor shall provide support to develop or procure systems to ingest and process spacecraft telemetry, and evaluate telemetry against specific constraints and limits identified in the Project Database. The system shall enable spacecraft command and control functions, including the issuance of individual commands, the execution of procedures, the loading of spacecraft tables, and dump and verification of spacecraft and instrument microprocessor memory images.

#### **2.4.2 Mission Planning**

The Contractor shall provide support services to develop or procure systems to perform integrated mission planning to ensure efficient and effective mission execution to meet mission objectives. Mission planning tools shall support efforts to identify and resolve resource contentions, and may generate integrated mission timelines, spacecraft execution timelines, and spacecraft load products such as an Absolute Time Sequence (ATS) of spacecraft commands.

#### **2.4.3 Network Scheduling**

The Contractor shall develop tools to support the scheduling of all space-to-ground link opportunities, including the Near Earth Network (NEN), the Space Network (SN), and the Deep Space Network (DSN). The Contractor shall support the development and implementation of standards for scheduling such as those supported by the Consultative Committee for Space Data Systems (CCSDS) Space Link Extension (SLE) Service Management.

#### **2.4.4 Trending**

The Contractor shall develop systems to ingest and analyze telemetry data to identify spacecraft system and subsystem performance over time.

#### **2.4.5 Flight Dynamics**

The Contractor shall develop systems to provide flight dynamics functions integrated in the Mission Operations Center(s). Support includes such items as orbit determination, ephemeris generation, assessment of on-board orbit determination system performance, maneuver planning and execution support, attitude determination, verification of onboard attitude, generation of attitude control parameters, and generation of mission planning products.

#### **2.4.6 Level Zero Processing**

The Contractor shall develop systems to provide level zero processing of spacecraft and payload data. Level zero processing includes the time ordering of data, and the identification and removal of duplicate data.

#### **2.4.7 Analysis Tools**

The Contractor shall develop various analysis tools to aid and support mission operations efforts.

#### **2.4.8 Automation**

The Contractor shall develop integrated systems to automate the execution of mission operations actions such as spacecraft commanding, health and safety monitoring, alert notification, data analysis, product generation, and data delivery.

#### **2.4.9 Information Technology Support**

The Contractor shall provide information technology support for the development effort, including system or software installation, setup, configuration or de-installation; IP management; account management; system backup; and data cleaning for computer systems. Task activities may include the preparation, review, and updating of IT security procedures and processes to ensure consistency with NASA and GSFC guidelines, the reporting of security compromises, and the identification and repair of security problems.

#### **2.4.10 Simulators**

The Contractor shall develop tools to simulate the performance of operations elements and interfaces to facilitate system development, testing, and training.

#### **2.4.11 Ground Support Equipment (GSE)**

The Contractor shall support the development and integration of equipment to support the integration and testing of spacecraft and payload systems and subsystems.

### **2.5 Operations Products**

The Contractor shall design, develop, and implement the procedures to operate mission spacecraft and associated payload. The Contractor shall develop and maintain mission data base(s) that define the spacecraft and instrument telemetry points, their associated limits, calibration parameters, and the spacecraft command definitions including the identification of critical commands.

The Contractor shall define, develop, and maintain the procedures, processes, and plans to effectively and efficiently conduct mission operations including the development of plans such as the Flight Operations Plan, Launch and Early Orbit

Support Plan, Configuration Management Plan, Risk Management Plan, Training and Certification Plan, and End of Mission Plan.

The Contractor shall identify, design, and develop the displays to communicate spacecraft configuration, and performance during operational support activities. The displays shall provide situational awareness of spacecraft, payload, support element, and environmental activity.

The Contractor shall direct, edit, produce, and archive video, audio, and multimedia products in support of mission operations: video news releases, video resource tapes, lectures and presentations, press conferences, webcasts, educational programming, and content for special venues.

## **2.6 Integration and Test**

The Contractor shall provide support of integration and test activities of mission services systems. These activities may include component- and system-level acceptance testing, the coordination of interface testing with other components of a mission, end-to-end testing, and mission readiness testing and operations readiness testing. The Contractor shall develop test plans, design and execute tests to verify system requirements, and collect, analyze, and report test results.

## **3 MISSION OPERATIONS**

The Contractor shall perform mission operations. This support includes routine flight operations, anomaly response, integrated flight dynamics operations, and mission data collection and distribution. The Contractor shall perform system engineering and sustaining engineering services as tasked to support spacecraft and payload engineering requirements, and sustain the ground system. The Government shall provide the baseline operational equipment, systems, and facilities needed for mission operations.

The Contractor shall provide, with the Government's approval, mission specific flight operation certification plans.

The Contractor shall utilize the NASA's anomaly reporting system to report, manage, and maintain a database of flight segment and ground segment anomalies.

### **3.1 System Engineering**

The Contractor shall provide the overarching engineering to ensure the complement of elements, systems, and subsystems interact effectively to achieve mission objectives. The Contractor shall coordinate interfaces, internal and external, to ensure compatibility and interoperability.

The Contractor shall develop and maintain mission documents under Government approved Configuration Management (CM) plans, and manage mission libraries. The Contractor shall provide anomaly response and investigation.

### **3.2 Launch and Early Orbit Support**

The Contractor shall support Launch and Early Orbit operations, including the coordination of launch site operations, data flow, and interfaces with all support elements. The Contractor shall conduct mission tests, and training simulations to ensure operations readiness. The Contractor shall develop, maintain, and execute an integrated mission timeline of events detailing the pre-launch, launch, initial acquisition, on-orbit checkout and verification, and payload commissioning.

### **3.3 Flight Operations**

The Contractor shall develop, maintain, and configuration control processes, procedures, and analysis tools to operate the spacecraft and associated payload to meet mission requirements, including mission decommissioning. These include real time commanding, generation of command loads and tables, telemetry monitoring (real-time and playback) to evaluate configuration and health and safety status of the spacecraft and instrument(s), spacecraft and instrument data storage management, and perform mission planning to establish a conflict free timeline of activities. It is expected that the Flight Operations Team(s) for missions in the routine phase will coordinate activities with external interfaces as appropriate.

The contractor shall analyze the spacecraft subsystems, and selected instruments to understand current trends and anticipate future performance.

In response to spacecraft anomalies the Contractor shall execute only the pre-approved response, such as flight operations procedures, spacecraft commands, or scripts. In response to real-time spacecraft anomalies that do not have a pre-approved response (and the spacecraft is not in imminent danger of loss of mission), the Contractor shall coordinate operations with Government approval.

### **3.4 Network Scheduling**

The Contractor shall interface with the space-to-ground link network providers (NEN, SN, and DSN) to obtain necessary and sufficient tracking, telemetry, and command services to satisfy mission requirements.

### **3.5 Flight Dynamics Support**

The Contractor shall support Flight Dynamics functions that are integrated into the Mission Operations Center (MOC). These services may include orbit determination, maneuver planning and execution, planning product generation, attitude determination and control, and associated analyses.

The Contractor shall perform orbit determination, or verification of on-board navigation as required by the mission. It includes ground and on-board orbit determination and ephemeris generation.

The Contractor shall provide orbit and attitude maneuver planning and execution to satisfy mission objectives.

The Contractor shall provide for the support, generation and quality assurance of mission planning data, scheduling aids, tracking data network acquisition data, and related spacecraft products.

The Contractor shall provide real time and non-real time attitude determination, attitude control command generation, attitude sensor calibration and alignment, and attitude sensor viewing coverage and performance.

### **3.6 Mission Data Collection and Distribution**

The Contractor shall operate and maintain mission data collection and distribution systems that collect data, remove duplicate information, put it in time order and distribute to various consumers including the MOCs, the Science Operations Centers, Multimedia production facilities, and archive facilities. In addition to GSFC, these systems, or elements of these systems, are located coincident with several external facilities including, but not limited to, White Sands Complex (WSC) near Las Cruces, New Mexico, Wallops Flight Facility at Wallops Island, Virginia. Systems located away from GSFC shall be remotely operated and monitored. Maintenance updates and enhancements must be fielded. Reliability, quality assurance, data retention, and timeliness requirements shall be specific to each mission.

### **3.7 Sustaining Engineering**

The Contractor shall provide the engineering to maintain the performance of the operations elements, and to manage obsolescence.

#### **3.7.1 Flight Segment**

The Contractor shall be able to provide/obtain spacecraft and payload vendor sustaining engineering support, special analysis, and anomaly investigation support.

### **3.7.2 Ground System Software**

The Contractor shall perform software maintenance of mission systems, as tasked. Software maintenance activities may include: managing vendor maintenance agreements and software licenses for Commercial Off the Shelf (COTS) products, corrective maintenance of operational custom software systems, modifications to existing operational custom software systems, supporting test and integration of new or modified software, documenting software changes and problems, maintenance of operational parameter databases, and configuration control of software system configurations.

### **3.7.3 Ground System Hardware**

The Contractor shall perform hardware maintenance of mission systems, as tasked. The hardware maintenance function includes activities required to maintain the ground systems in a mission support capability. Hardware maintenance activities may include: re-installation and modification of existing equipment, preventive and corrective maintenance including procurement and certification of the replacement equipment as needed to maintain original hardware configuration functionality, and documentation of equipment architecture and cabling configurations.

Critical operational mission systems hardware frequently requires high availability, and low mean time to repair. Some key components may include custom hardware.

### **3.7.4 System Administration and IT Security**

The Contractor shall perform system administration of mission systems and facilities. The system administration function provides the support required for maintaining the ground system software, firmware, hardware, COTS, and subscriber provided applications in the authorized system configuration. The Contractor shall maintain network software configurations on hosts and Local Area Network (LAN) routers, in accordance with the applicable IT security procedures.

### **3.7.5 Database Administration**

The Contractor shall maintain project database software and database content, as tasked. Databases may include project administrative information, such as lists of names or discrepancy reports; operations documentation, such as system configurations, software configurations; or operational information, such as spacecraft command lists, or data processing parameters.

## **4 SECTION 508 ELECTRONIC AND INFORMATION TECHNOLOGY (EIT) STANDARDS**

In order to comply with the Section 508 Standards for Electronic and Information Technology, 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

(End of SOW)

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**Acronym List**

ATS	Absolute Time Sequence
CCSDS	Consultative Committee for Space Data Systems
CFR	Code of Federal Regulations
CM	Configuration Management
COTS	Commercial Off-the-Shelf
DSN	Deep Space Network
EEO	Equal Employment Opportunity
EIT	Electronic and Information Technology
FDF	Flight Dynamics Facility
GPR	Goddard Procedural Requirements
GSE	Ground Support Equipment
GSFC	Goddard Space Flight Center
GSMO	Ground Systems and Mission Operations
IAGP	Institutional Accountable Government Property
ISO	International Standards Organization
IT	Information Technology
LAN	Local Area Network
MOC	Mission Operations Center
NASA	National Aeronautics and Space Administration
NEN	Near Earth Network
NPR	NASA Procedural Requirements
PG	Procedures and Guidelines
SLE	Space Link Extension
SN	Space Network
SOW	Statement of Work
STD	Standard
WAN	Wide Area Network
WBS	Work Breakdown Structure
WSC	White Sands Complex

End of Acronym List

**ATTACHMENT C**

**FINANCIAL MANAGEMENT REPORTING  
REQUIREMENTS**

**RFP NNG16551793R**

**CONTRACT NNG17HP02C**

## **FINANCIAL MANAGEMENT REPORTING REQUIREMENTS**

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**

An individual 533 Report shall be provided for each Task Order in addition to a cumulative 533 Report summarizing all Task Orders issued. The reports shall contain a breakdown of hours and costs by the elements of cost categories listed in Section d 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. Variance Narrative Reporting**

In accordance with Section 3.6 of NPR 9501.2, the Contractor shall include a narrative explanation for variances exceeding *plus or minus 10 percent (+/- 10%)* between the Total Direct Labor Hours (prime and subcontractors) and/or Total Estimated Cost amount shown in the prior month and the Actual Total Direct Labor Hours and/or Actual Total Cost amount shown in the current month for each individual task order. (For example, the Total Estimated Cost amount shown for June in column 8a in the May NF 533M and the Actual June Total Cost amount shown in column 7a in the June NF 533M.)

Each variance narrative shall explain the: (1) reason for the variance, (2) impact(s) on the individual task order, and (3) specific corrective action(s) being taken or to be taken.

### **c. Distribution**

The Contractor shall distribute 533 reports to each addressee indicated in the contract clause entitled, "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 (10<sup>th</sup>) working day following the close of the contractors' monthly accounting period. The 533Q reports shall be distributed not later than the fifteenth (15<sup>th</sup>) day of the month preceding the quarter being reported. The NF 533M need not be submitted in months in which an NF 533Q is submitted.

d. Reporting Requirements

Each individual report shall, at a minimum, provide cost data by the following elements of cost categories:

1. Prime Direct Labor Hours:

Prime Direct Labor Hours - Onsite

Prime Direct Labor Hours – Offsite

Total Prime Direct Labor Hours

2. Subcontractor Direct Labor Hours:

Subcontractor A Direct Labor Hours – Onsite

Subcontractor A Direct Labor Hours – Offsite

Subcontractor B Direct Labor Hours – Onsite

Subcontractor B Direct Labor Hours – Offsite

Subcontractor C Direct Labor Hours – Onsite

Subcontractor C Direct Labor Hours – Offsite

Total Subcontractors Direct Labor Hours

3. Total Prime and Subcontractors Direct Labor Hours:

Total Prime and Subcontractors Hours – Onsite

Total Prime and Subcontractors Hours – Offsite

Total Prime and Subcontractors Direct Labor Hours

4. Prime Direct Labor Costs:

Prime Direct Labor Costs - Onsite

Prime Direct Labor Costs – Offsite

Total Prime Direct Labor Costs

5. Prime Overhead Expenses:

Onsite Overhead  
Offsite Overhead

Total Prime Overhead

6. Other Direct Costs (ODCs):

- a. Subcontracts (list separately, Subcontractor A, B, C, etc.)
- b. Material
- c. Travel
- d. Other (specify)

Total ODCs

7. Subtotal (Direct Labor, Overhead & ODCs)

8. G&A Expense

9. Total Estimated Cost

10. Provisionally Billed Award Fee

11. Award Fee Earned

12. Total Cost-Plus-Award-Fee (CPAF)

<b>ECN</b>	<b>Item Name</b>	<b>Manufacturer</b>
0044438	CLOCK COUNTDOWN	DATUM FILING SYSTEMS INC
0044441	CLOCK COUNTDOWN	DATUM FILING SYSTEMS INC
1418836	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1418837	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1519016	OSCILLOSCOPE	TEKTRONIX INC
1643839	COMPUTER, MICRO	SONY CORP OF AMERICA
1665468	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1672203	COMPUTER, MICRO	MOTION COMPUTING INC.
1753116	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1815892	COMPUTER, MICRO	DOLCH COMPUTER SYSTEMS
1817375	TRANSPORT , MAGNETIC TAPE	SUN MICROSYSTEMS INC
1817674	COMPUTER, MICRO	INDUSTRIAL COMPUTER SOURCE
1819527	COMPUTER, MICRO	COMPAQ COMPUTER CORP
1946005	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1946007	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1946012	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1946073	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1947069	SWITCHING GROUP, DIGITAL DATA	LIGHTHOUSE TECHNOLOGY
1947651	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1947653	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1948865	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
1949636	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1951091	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1951093	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1951094	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1952245	COMPUTER, MICRO	SUN MICROSYSTEMS INC
1952422	COMPUTER, MICRO	YAMAHA ELECTRONICS
1956085	DISK DRIVE UNIT	EXABYTE CORP
2035527	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2035531	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035567	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035569	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035570	TAPE DRIVE UNIT	SUN MICROSYSTEMS INC
2035571	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035573	CHASSIS, ELECTRICALELECTRONIC	LASER MASTER TECHNOLOGIES INC
2035574	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2035575	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035579	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035580	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035581	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035842	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035844	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035849	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035850	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035852	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2035853	COMPUTER, MICRO	SUN MICROSYSTEMS INC

2035923	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2035931	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2036591	ANALYZER, LOGIC	HEWLETT-PACKARD CO
2036592	REAL TIME COMP ASSY	LOCKHEED-MARTIN F-LORAL
2036593	RACK, ELECTRICAL EQUIPMENT	LOCKHEED-MARTIN F-LORAL
2036594	CHASSIS, ELECTRICALELECTRONI	LOCKHEED-MARTIN F-LORAL
2036849	CONTROLLER, POWER SUPPLY	LOCKHEED-MARTIN F-LORAL
2037360	POWER DISTRIBUTION CENTER	LOCKHEED-MARTIN F-LORAL
2037363	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2037720	TRANSPORT MAGNETIC TAPE	SUN MICROSYSTEMS INC
2037721	TRANSPORT MAGNETIC TAPE	SUN MICROSYSTEMS INC
2037723	TRANSPORT MAGNETIC TAPE	SUN MICROSYSTEMS INC
2039253	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2039255	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2039507	GENERATOR, PULSE	HEWLETT-PACKARD CO
2039708	DISK DRIVE UNIT	COMPAQ COMPUTER CORP
2040437	TRANSPORT MAGNETIC TAPE	SUN MICROSYSTEMS INC
2040447	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2040448	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2040503	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2040504	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2040505	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2040506	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2040507	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2040530	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2045665	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2045674	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2045675	MONITOR, TERRA POWER SIMULATOR	LOCKHEED MARTIN CORP
2107822	TRANSPORT MAGNETIC TAPE	SUN MICROSYSTEMS INC
2107823	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2113975	POWER SUPPLY	LIEBERT CORP EMERSON COMPUTER
2133289	CHASSIS, ELECTRICALELECTRONIC	CISCO SYSTEMS INC
2133290	CHASSIS, ELECTRICALELECTRONIC	CISCO SYSTEMS INC
2163824	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2165245	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHINE
2169089	DISK DRIVE UNIT	LA CIE LTD
2169099	DISK DRIVE UNIT	LACIE LTD
2169107	DISK DRIVE UNIT	LA CIE LTD
2170898	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2170928	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2171427	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2172830	DISPLAY UNIT	PHILIPS
2173584	COMPUTER, SERVER	SUPERMICRO COMPUTER
2173585	COMPUTER, SERVER	SUPERMICRO COMPUTER
2173723	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2173724	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2174004	COMPUTER / DISPLAY	APPLE COMPUTER INC

2174854	COMPUTER, MICRO	THINK CP TECH
2175459	PRINTER, ADP	HEWLETT-PACKARD CO
2175469	SERVER	SUN MICROSYSTEMS INC
2175470	SERVER	SUN MICROSYSTEMS INC
2175471	SERVER	SUN MICROSYSTEMS INC
2175482	TRANSPORT, MAGNETIC TAPE	EXABYTE CORP
2175483	TRANSPORT, MAGNETIC TAPE	EXABYTE CORP
2176105	SERVER	ARBOR NETWORKS INC
2176107	SERVER	ARBOR NETWORKS INC
2176701	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2177060	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177061	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177062	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177063	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177068	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177073	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2177354	COMPUTER, MICRO MINI	APPLE COMPUTER INC
2313826	SWITCH, CHASSIS	CISCO SYSTEMS INC
2314361	SPLITTER, TAP	NET OPTICS INC
2314371	SPLITTER, TAP	NET OPTICS INC
2323393	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323394	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2323395	COMPUTER, TABLET	APPLE COMPUTER INC
2323396	COMPUTER, TABLET	APPLE COMPUTER INC
2323397	COMPUTER, TABLET	ASUS COMPUTER INTL INC
2323398	COMPUTER, TABLET	ASUS COMPUTER INTL INC
2323399	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323400	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323401	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323402	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323403	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2323404	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323468	COMPUTER, MICRO	HEWLETT-PACKARD CO
2323482	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323483	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323484	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323485	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323486	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323487	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323488	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323489	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323490	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323491	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323492	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323493	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323495	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2323504	COMPUTER, MICRO MINI	WYSE TECHNOLOGY

2323505	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2323506	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2323507	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2323508	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2323509	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2323687	COMPUTER, LAPTOP	APPLE COMPUTER INC
2324136	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2325417	DEGAUSER	GARNER PRODUCTS
2329399	COMPUTER, TABLET	APPLE COMPUTER INC
2330462	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330468	PRINTER, ADP	HEWLETT-PACKARD CO
2330475	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330476	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330477	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330479	TAPE LIBRARY	HEWLETT-PACKARD CO
2330487	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2330488	TRANSPORT MAGNETIC TAPE	INTERNATIONAL BUSINESS MACHINE
2330489	TRANSPORT MAGNETIC TAPE	QUANTUM INC
2330491	SERVER	HEWLETT-PACKARD CO
2330492	SERVER	HEWLETT-PACKARD CO
2330493	SERVER	HEWLETT-PACKARD CO
2330495	TAPE LIBRARY	HEWLETT-PACKARD CO
2330496	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330497	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330498	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330629	RECEIVER TRANSMITTER	AVOCENT
2330630	RECEIVER TRANSMITTER	AVOCENT
2330632	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330634	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330635	TELEVISION, HOME TYPE	PANASONIC IND CO DIV OF MATSU
2330637	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330644	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330647	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330650	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330651	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330652	TELEVISION/MONITOR	DELL COMPUTER CORP F-PC'S LTD
2330656	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330701	MONITOR/KEYBOARD, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2330706	SWITCHING GROUP, DIGITAL DATA	AVOCENT
2330814	TAPE LIBRARY	HEWLETT-PACKARD CO
2330815	DISPLAY UNIT, RACKMOUNT	SAMSUNG ELECTRONICS
2330816	SWITCHING GROUP, DIGITAL DATA	AVOCENT
2330836	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2330850	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330851	COMPUTER, MICRO	COMPAQ COMPUTER CORP
2330852	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2330853	DISK DRIVE UNIT	HELIX TECHNOLOGY

2330858	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330859	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330860	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330861	TAPE LIBRARY	HEWLETT-PACKARD CO
2330862	TAPE LIBRARY	HEWLETT-PACKARD CO
2330872	COMPUTER, MICRO	GATEWAY COMPANIES INC
2330873	COMPUTER, MICRO	ABERDEEN
2330874	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330875	COMPUTER, MICRO	ABERDEEN
2330876	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330877	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330878	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330879	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330880	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330881	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330882	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330885	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330886	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330887	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330891	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330892	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330894	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2330897	PRINTER, ADP	HEWLETT-PACKARD CO
2330898	PRINTER, ADP	HEWLETT-PACKARD CO
2330940	TELEVISIONS, HOME TYPE	SANYO ELECTRIC CO LTD
2330954	TRANSMITTER/RECEIVER	AVOCENT
2330955	TRANSMITTER/RECEIVER	AVOCENT
2330957	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2330961	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330962	PRINTER, ADP	HEWLETT-PACKARD CO
2330965	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330966	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330967	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330970	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330971	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330972	COMPUTER, MICRO	HEWLETT-PACKARD CO
2330974	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2330975	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2330976	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2330987	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2330988	MONITOR/KEYBOARD, RACKMOUNT	SMART SOLUTIONS INC
2330990	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2330991	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331004	DISK ARRAY	LACIE LTD
2331022	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331024	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331025	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD

2331027	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331030	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331035	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331043	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331053	SWITCHING GROUP, DIGITAL DATA	ATL PRODUCTS INC
2331064	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331089	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2331098	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2331174	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331191	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331222	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331223	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331224	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331225	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331227	PRINTER, ADP	HEWLETT-PACKARD CO
2331228	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331230	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331231	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331236	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331237	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331239	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331337	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331349	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331444	TRANSPORT, MAGNETIC TAPE	HEWLETT-PACKARD CO
2331445	TRANSPORT, MAGNETIC TAPE	HEWLETT-PACKARD CO
2331460	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331494	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331526	PRINTER, ADP	HEWLETT-PACKARD CO
2331533	SERVER	SUN MICROSYSTEMS INC
2331540	TRANSPORT, MAGNETIC TAPE	EXABYTE CORP
2331541	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331544	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2331545	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2331546	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2331547	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2331548	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331549	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331550	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331551	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331553	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331554	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331559	PRINTER, ADP	HEWLETT-PACKARD CO
2331562	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331573	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2331578	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331581	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331582	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD

2331583	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331599	TRANSMITTER/RECEIVER	AVOCENT
2331609	SERVER	PERLE SYSTEMS INC
2331758	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331762	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331766	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331771	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331776	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331783	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331784	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331786	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331796	PRINTER, ADP, LASER	BROTHER INTL CORP
2331800	TAP REGENERATION LINE	NET OPTICS INC
2331804	TRANSMITTER / RECEIVER	AVOCENT
2331806	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331807	SERVER	DELL COMPUTER CORP F-PC'S LTD
2331808	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331812	PRINTER, ADP	HEWLETT-PACKARD CO
2331814	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331823	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331824	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331834	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2331838	STORAGE SYSTEM, NETWORK	DELL COMPUTER CORP F-PC'S LTD
2331839	STORAGE SYSTEM, NETWORK	DELL COMPUTER CORP F-PC'S LTD
2331855	DISK AND TAPE DRIVE UNIT	PLEXTOR CORP
2331868	COMPUTER, MICRO	APPLE COMPUTER INC
2331869	TAP REGENERATION LINE	NET OPTICS INC
2331881	SERVER	HEWLETT-PACKARD CO
2331882	SERVER	HEWLETT-PACKARD CO
2331883	SERVER	PERLE SYSTEMS INC
2331884	SERVER	PERLE SYSTEMS INC
2331885	SERVER	PERLE SYSTEMS INC
2331888	COMPUTER, MICRO	AMERICOMP INC
2331890	PRINTER, ADP	HEWLETT-PACKARD CO
2331892	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2331897	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331898	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331899	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331906	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331907	POWER SUPPLY	LIEBERT CORP EMERSON COMPUTER
2331909	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2331912	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331917	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331919	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331920	COMPUTER, MICRO	HEWLETT-PACKARD CO
2331921	SERVER	SUN MICROSYSTEMS INC
2331924	SERVER	SUN MICROSYSTEMS INC

2331937	PRINTER, ADP	HEWLETT-PACKARD CO
2331939	PRINTER, ADP	HEWLETT-PACKARD CO
2331941	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331942	TELEVISION, HOME TYPE	SAMSUNG ELECTRONICS
2331943	TELEVISION, HOME TYPE	SAMSUNG ELECTRONICS
2331950	TRANSMITTER/RECEIVER	AVOCENT
2331951	TRANSMITTER / RECEIVER	AVOCENT
2331953	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331954	SERVER	PERLE SYSTEMS INC
2331956	SERVER	SUN MICROSYSTEMS INC
2331957	SERVER	SUN MICROSYSTEMS INC
2331959	SERVER	SUN MICROSYSTEMS INC
2331962	SERVER	SUN MICROSYSTEMS INC
2331969	SERVER	SUN MICROSYSTEMS INC
2331970	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331971	PRINTER, ADP	HEWLETT-PACKARD CO
2331972	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2331973	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2331974	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2331975	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331976	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
2331978	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2331979	COMPUTER, LAPTOP	BSI
2331980	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2331981	COMPUTER, LAPTOP	BSI
2331983	DISK DRIVE UNIT	DELL COMPUTER CORP F-PC'S LTD
2331984	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2332006	COMPUTER, MICRO	AMERICOMP INC
2332037	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332040	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332042	SERVER	YANG MING INT'L CORP
2332044	SERVER	YANG MING INT'L CORP
2332046	SERVER	YANG MING INT'L CORP
2332048	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332049	SERVER	YANG MING INT'L CORP
2332052	TRANSPORT MAGNETIC TAPE DRIVE	INTERNATIONAL BUSINESS MACHINE
2332053	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332054	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332055	SERVER	YANG MING INT'L CORP
2332058	OSCILLOSCOPE	TEKTRONIX INC
2332059	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332087	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332097	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332099	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332101	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332600	SERVER	YANG MING INT'L CORP
2332603	DATA ACQUISITION SYSTEM	HEWLETT-PACKARD CO

2332605	SERVER MEOS EBOX-R	HEWLETT-PACKARD CO
2332608	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332609	TRANSPORT MAGNETIC TAPE DRIVE	INTERNATIONAL BUSINESS MACHINE
2332610	ANALYZER, NETWORK	SYNTHESYS RESEARCH INC
2332611	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2332625	COMPUTER, MICRO	HEWLETT-PACKARD CO
2332633	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2332640	MONITOR / KEYBOARD, RACKMOUNT	TRIPP LITE
2332650	INTERFACE UNIT,AUTOMATIC DATA PR	CISCO SYSTEMS INC
2332656	SWITCHING GROUP, DIGITAL DATA	AVOCENT
2332657	MONITOR/KEYBOARD, RACKMOUNT	I-TECH CORP.
2332658	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2332663	TAPE DRIVE	INTERNATIONAL BUSINESS MACHINE
2332671	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2332674	GENERATOR, PULSE	HEWLETT-PACKARD CO
2332901	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332902	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2332954	TELEVISIONS, HOME TYPE	SONY CORP OF AMERICA
2333173	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2333174	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2333175	STORAGE SYSTEM, NETWORK	DELL COMPUTER CORP F-PC'S LTD
2333191	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2333192	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2333193	SERVER	DELL COMPUTER CORP F-PC'S LTD
2333194	SERVER	DELL COMPUTER CORP F-PC'S LTD
2333196	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2333570	PRINTER, ADP	HEWLETT-PACKARD CO
2333772	SERVER	SUN MICROSYSTEMS INC
2333780	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2333781	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2334230	PRINTER, ADP	HEWLETT-PACKARD CO
2334248	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2334271	PRINTER, ADP	HEWLETT-PACKARD CO
2334292	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
2334658	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2334671	SERVER	HEWLETT-PACKARD CO
2334681	SERVER, RACKMOUNT	SUN MICROSYSTEMS INC
2334693	SERVER	PERLE SYSTEMS INC
2373417	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2373480	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373481	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373482	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373483	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373484	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373485	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373486	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373488	COMPUTER, MICRO MINI	WYSE TECHNOLOGY

2373489	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373490	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373491	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373492	COMPUTER, MICRO MINI	WYSE TECHNOLOGY
2373602	METER, FIBER INSPECTION	FLUKE CORP
2373609	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2373738	SWITCH, MULTIPORT	JUNIPER NETWORKS US INC
2373739	SWITCH, MULTIPORT	JUNIPER NETWORKS US INC
2373772	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373773	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373774	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373775	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373778	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373779	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373780	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373781	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373782	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373783	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373784	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373785	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373786	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373787	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373788	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2373789	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374073	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374074	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374075	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374076	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374077	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374078	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374079	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374080	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374081	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374082	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374083	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374084	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374085	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374086	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374087	COMPUTER, MICRO	HEWLETT-PACKARD CO
2374088	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2374089	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2374101	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374103	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374105	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374106	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374107	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374108	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD

2374109	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374110	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374111	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374112	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374113	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374114	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374115	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374116	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374117	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374118	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374119	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374120	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374121	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374123	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374124	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374136	ROUTER, COMMUNICATIONS	JUNIPER NETWORKS US INC
2374137	ROUTER, COMMUNICATIONS	JUNIPER NETWORKS US INC
2374139	ROUTER, COMMUNICATIONS	JUNIPER NETWORKS US INC
2374181	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374182	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2374202	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2374759	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2374762	LIFT, HYDRAULIC	SERVERLIFT CORPORATION
2374765	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2374820	PRINTER, ADP, LASER	DELL COMPUTER CORP F-PC'S LTD
2374824	DISPLAY/KEYBOARD RACKMOUNT	I-TECH CORP.
2375634	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2375635	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2375636	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2375699	SCANNER, LASER	XEROX CORP
2375703	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2375728	SERVER	SUN MICROSYSTEMS INC
2375942	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2375948	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2375965	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2375994	SWITCH, ETHERNET	UNIVERSAL SWITCHING CORP
2376702	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376762	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376788	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376789	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376790	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376791	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376792	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2376794	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2377173	SERVER	HEWLETT-PACKARD CO
2377217	DISPLAY/KEYBOARD, RACKMOUNT	RALOY
2377246	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD

2377663	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2377664	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2377668	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2377829	SWITCH, ETHERNET	UNIVERSAL SWITCHING CORP
2377839	DISPLAY/KEYBOARD, RACKMOUNT	RALOY HEADQUARTERS
2377840	DISPLAY/KEYBOARD, RACKMOUNT	RALOY HEADQUARTERS
2377841	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2377842	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2377843	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2378232	SWITCH, ETHERNET	UNIVERSAL SWITCHING CORP
2378233	COMPUTER, MICRO	HEWLETT-PACKARD CO
2378234	COMPUTER, MICRO	HEWLETT-PACKARD CO
2378235	COMPUTER, MICRO	HEWLETT-PACKARD CO
2378236	COMPUTER, MICRO	HEWLETT-PACKARD CO
2378531	DISPLAY UNIT	APPLE COMPUTER INC
2378582	SERVER	DELL COMPUTER CORP F-PC'S LTD
2378586	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378587	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378588	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378589	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378590	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378591	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378592	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378593	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378594	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378595	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378596	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378597	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378598	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378599	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378600	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378601	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378602	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378603	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378604	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378605	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378606	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378607	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2378732	SERVER	DELL COMPUTER CORP F-PC'S LTD
2378733	SERVER	DELL COMPUTER CORP F-PC'S LTD
2378746	SERVER	HEWLETT-PACKARD CO
2378775	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2379037	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2379051	SERVER	HEWLETT-PACKARD CO
2393891	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2394300	SERVER	HEWLETT-PACKARD CO
2394431	COMPUTER, RACKMOUNT	INDUSTRIAL COMPUTERS, INC

2394432	COMPUTER, RACKMOUNT	INDUSTRIAL COMPUTERS, INC
2394473	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2394609	SWITCH, ETHERNET	CISCO
2394610	SWITCH, ETHERNET	CISCO
2394759	COMPUTER, MICRO	APPLE COMPUTER INC
2394760	COMPUTER, MICRO	APPLE COMPUTER INC
2394786	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
2394806	SWITCH, ETHERNET	CISCO
2394833	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2394834	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2394836	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2394837	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2394838	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2406023	SERVER	HEWLETT-PACKARD CO
2406024	SERVER	HEWLETT-PACKARD CO
2406025	SERVER	HEWLETT-PACKARD CO
2406026	SERVER	HEWLETT-PACKARD CO
2406027	SERVER	HEWLETT-PACKARD CO
2406028	SERVER	HEWLETT-PACKARD CO
2406029	SERVER	HEWLETT-PACKARD CO
2406030	SERVER	HEWLETT-PACKARD CO
2406031	SERVER	HEWLETT-PACKARD CO
2406032	RACK, ELECTRICAL EQUIPMENT	KONGSBERG SPACETEC A/S
2406033	RACK, ELECTRICAL EQUIPMENT	KONGSBERG SPACETEC A/S
2406034	RACK, ELECTRICAL EQUIPMENT	KONGSBERG SPACETEC A/S
2406053	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2406075	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2406079	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2406080	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2406081	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2406084	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2406404	COMPUTER, MICRO	HEWLETT-PACKARD CO
2406405	COMPUTER, MICRO	HEWLETT-PACKARD CO
2406406	COMPUTER, MICRO	HEWLETT-PACKARD CO
2406913	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2406914	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2406915	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2410440	SERVER	HEWLETT-PACKARD CO
2501737	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2501875	SERVER	SUN MICROSYSTEMS INC
2520001	SERVER	DELL COMPUTER CORP F-PC'S LTD
2520016	SERVER	HEWLETT-PACKARD CO
2520242	SERVER	THINK CP TECHNOLOGIES
2520244	SERVER	THINK CP TECHNOLOGIES
2520245	SERVER	THINK CP TECHNOLOGIES
2520247	SERVER	THINK CP TECHNOLOGIES
2520896	SERVER	THINK CP TECHNOLOGIES

2520897	SERVER	THINK CP TECHNOLOGIES
2548892	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2549185	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2551790	COMPUTER, SERVER	SUN MICROSYSTEMS INC
2551792	COMPUTER, SERVER	SUN MICROSYSTEMS INC
2551793	COMPUTER, SERVER	SUN MICROSYSTEMS INC
2552645	DISK ARRAY	RAID INC
2552649	INTERFACE UNIT,AUTOMATIC DATA PRC	CISCO SYSTEMS INC
2552718	DISK ARRAY	RAID INC
2552921	COMPUTER, SERVER	DELL COMPUTER CORP F-PC'S LTD
2552924	COMPUTER, SERVER	DELL COMPUTER CORP F-PC'S LTD
2552925	COMPUTER, SERVER	DELL COMPUTER CORP F-PC'S LTD
2553356	SERVER	NIKSUN INC
2553357	DISK ARRAY	NIKSUN INC
2553358	DISK ARRAY	NIKSUN INC
2553359	DISK ARRAY	NIKSUN INC
2553371	DISK ARRAY	NIKSUN INC
2553406	INTERFACE UNIT,AUTOMATIC DATA PRC	CISCO SYSTEMS INC
2557008	ROUTER, COMMUNICATIONS	JUNIPER NETWORKS
2578083	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592806	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592807	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592808	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592809	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592810	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592811	SERVER	DELL COMPUTER CORP F-PC'S LTD
2592814	SWITCH, NETWORK	NET OPTICS INC
2592815	SWITCH, NETWORK	NET OPTICS INC
2593277	SWITCHING GROUP, DIGITAL DATA	BROCADE COMMUNICATIONS SYS INC
2593278	SWITCHING GROUP, DIGITAL DATA	BROCADE COMMUNICATIONS SYS INC
2593469	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2593470	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2593477	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2593493	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2593494	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2593496	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2593497	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2593637	SWITCH, NETWORK	NET OPTICS INC
2593639	APPLIANCE, INTERNET SECURITY	MCAFEE ASSOCIATES
2593833	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2593834	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2593923	SERVER	HEWLETT-PACKARD CO
2594211	COMPUTER, LAPTOP	APPLE COMPUTER INC
2594387	SERVER	HEWLETT-PACKARD CO
2594388	SERVER	HEWLETT-PACKARD CO
2594389	SERVER	DELL COMPUTER CORP F-PC'S LTD
2594390	SERVER	HEWLETT-PACKARD CO

2594391	SERVER	HEWLETT-PACKARD CO
2594392	SERVER	SUPER MICRO COMPUTERS, INC
2594393	SERVER	SUPER MICRO COMPUTERS, INC
2594395	SERVER	HEWLETT-PACKARD CO
2594396	SERVER	HEWLETT-PACKARD CO
2594397	SERVER	HEWLETT-PACKARD CO
2594398	SERVER	HEWLETT-PACKARD CO
2594399	SERVER	SUPER MICRO COMPUTERS, INC
2594406	SERVER	HEWLETT-PACKARD CO
2594407	SERVER	HEWLETT-PACKARD CO
2594408	SERVER	HEWLETT-PACKARD CO
2594409	SERVER	SUPER MICRO COMPUTERS, INC
2594410	SERVER	SUPER MICRO COMPUTERS, INC
2594413	SERVER	HEWLETT-PACKARD CO
2594414	SERVER	HEWLETT-PACKARD CO
2594415	SERVER	HEWLETT-PACKARD CO
2594416	SERVER	HEWLETT-PACKARD CO
2594417	SERVER	HEWLETT-PACKARD CO
2594418	TRANSPORT, MAGNETIC TAPE	QUANTUM INC
2594419	SERVER	SUPER MICRO COMPUTERS, INC
2594420	SERVER	SUPER MICRO COMPUTERS, INC
2594422	SERVER	HEWLETT-PACKARD CO
2594423	SERVER	HEWLETT-PACKARD CO
2594426	SERVER	HEWLETT-PACKARD CO
2594433	SERVER	HEWLETT-PACKARD CO
2594435	SERVER	HEWLETT-PACKARD CO
2594436	SERVER	HEWLETT-PACKARD CO
2594437	SERVER	HEWLETT-PACKARD CO
2594438	SERVER	HEWLETT-PACKARD CO
2594439	SERVER	HEWLETT-PACKARD CO
2594445	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2594473	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2594484	SERVER	DELL COMPUTER CORP F-PC'S LTD
2594485	SERVER	DELL COMPUTER CORP F-PC'S LTD
2594487	SERVER	DELL COMPUTER CORP F-PC'S LTD
2594488	SERVER	DELL COMPUTER CORP F-PC'S LTD
2594492	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621582	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2621583	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2621584	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2621585	DISK AND TAPE DRIVE UNIT	QUANTUM INC
2621691	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621692	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621693	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621695	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621696	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621697	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC

2621699	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621701	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621702	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621726	SERVER	HEWLETT-PACKARD CO
2621728	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621729	SECURITY, APPLIANCE	JUNIPER NETWORKS US INC
2621731	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621732	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621733	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621734	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621735	SERVER	SUN MICROSYSTEMS INC
2621778	TIME DISPLAY	CREATIVE MARKETING ASSO., INC
2621779	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621780	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621781	DISK ARRAY	RAIDTEC CORP
2621782	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621784	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621786	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621794	SERVER	HEWLETT-PACKARD CO
2621806	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2621807	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2621808	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2621809	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2621828	TAPE LIBRARY	HEWLETT-PACKARD CO
2621841	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621845	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621846	SERVER	DELL COMPUTER CORP F-PC'S LTD
2621853	SERVER	SUN MICROSYSTEMS INC
2621855	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2621857	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2621859	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2621860	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2622001	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622002	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622129	COMPUTER, LAPTOP	APPLE COMPUTER INC
2622368	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2622369	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2622461	SERVER	SUN MICROSYSTEMS INC
2622485	SERVER	SUPER MICRO COMPUTERS, INC
2622487	SERVER	HEWLETT-PACKARD CO
2622488	SERVER	HEWLETT-PACKARD CO
2622500	SERVER	HEWLETT-PACKARD CO
2622504	SERVER	HEWLETT-PACKARD CO
2622506	SERVER	HEWLETT-PACKARD CO
2622507	SERVER	HEWLETT-PACKARD CO
2622508	SERVER	HEWLETT-PACKARD CO
2622509	SERVER	HEWLETT-PACKARD CO

2622510	SERVER	HEWLETT-PACKARD CO
2622512	SERVER	HEWLETT-PACKARD CO
2622513	SERVER	HEWLETT-PACKARD CO
2622514	SERVER	HEWLETT-PACKARD CO
2622515	SERVER	HEWLETT-PACKARD CO
2622516	SERVER	HEWLETT-PACKARD CO
2622526	SERVER	HEWLETT-PACKARD CO
2622529	SERVER	HEWLETT-PACKARD CO
2622530	SERVER	HEWLETT-PACKARD CO
2622533	SERVER	HEWLETT-PACKARD CO
2622547	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622550	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2622551	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2622555	DISK ARRAY	RAIDTEC CORP
2622558	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622583	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2622586	RECEIVER TRANSMITTER	AVOCENT
2622587	RECEIVER TRANSMITTER	AVOCENT
2622588	RECEIVER TRANSMITTER	AVOCENT
2622601	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2622610	SERVER	HEWLETT-PACKARD CO
2622611	SERVER	HEWLETT-PACKARD CO
2622632	SERVER	HEWLETT-PACKARD CO
2622633	SERVER	HEWLETT-PACKARD CO
2622647	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2622648	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2622649	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC
2622650	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2622651	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2622652	TRANSPORT , MAGNETIC TAPE	SUN MICROSYSTEMS INC
2622653	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2622654	DISK DRIVE UNIT	SUN MICROSYSTEMS INC
2622683	SWITCH, VIDEO	BLACK BOX CORP
2622684	SWITCH, VIDEO	BLACK BOX CORP
2622687	TRANSMITTER/RECEIVER	AVOCENT
2622690	TRANSMITTER/RECEIVER	AVOCENT
2622693	TRANSMITTER/RECEIVER	AVOCENT
2622694	TRANSMITTER/RECEIVER	AVOCENT
2622696	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2622705	SERVER	SUN MICROSYSTEMS INC
2622798	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622799	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622800	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622805	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622806	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622807	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622808	SERVER	DELL COMPUTER CORP F-PC'S LTD

2622809	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622810	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622811	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622812	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622813	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622814	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622815	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622816	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622817	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2622818	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622819	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622820	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622821	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622822	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622823	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622824	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622825	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622826	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622827	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622828	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622829	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622830	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622831	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622832	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622833	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622859	SERVER	HEWLETT-PACKARD CO
2622860	SERVER	HEWLETT-PACKARD CO
2622861	SERVER	HEWLETT-PACKARD CO
2622862	SERVER	HEWLETT-PACKARD CO
2622863	SERVER	HEWLETT-PACKARD CO
2622864	SERVER	HEWLETT-PACKARD CO
2622865	SERVER	HEWLETT-PACKARD CO
2622866	SERVER	HEWLETT-PACKARD CO
2622867	SERVER	HEWLETT-PACKARD CO
2622868	SERVER	HEWLETT-PACKARD CO
2622941	SERVER	HEWLETT-PACKARD CO
2622942	SERVER	HEWLETT-PACKARD CO
2622943	SERVER	HEWLETT-PACKARD CO
2622944	SERVER	HEWLETT-PACKARD CO
2622945	SERVER	HEWLETT-PACKARD CO
2622949	SERVER	SUN MICROSYSTEMS INC
2622950	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2622952	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622953	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622954	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622955	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622956	SERVER	DELL COMPUTER CORP F-PC'S LTD

2622957	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622958	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622959	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622960	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622961	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622962	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622963	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622964	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622965	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622966	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622967	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622968	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622969	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622970	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622971	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622972	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622973	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622974	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622975	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622976	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622977	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622978	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622979	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622980	SERVER	DELL COMPUTER CORP F-PC'S LTD
2622996	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623000	STORAGE SYSTEM, NETWORK	DELL COMPUTER CORP F-PC'S LTD
2623001	SERVER	HEWLETT-PACKARD CO
2623002	SERVER	HEWLETT-PACKARD CO
2623151	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623152	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623153	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623154	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623155	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623156	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623157	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623158	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2623159	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623160	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623161	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623162	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623163	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623164	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623165	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623166	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623235	SWITCHING GROUP, DIGITAL DATA	GIGAMON SYSTEMS LLC
2623236	SWITCHING GROUP, DIGITAL DATA	GIGAMON SYSTEMS LLC
2623237	SERVER	DELL COMPUTER CORP F-PC'S LTD

2623238	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623264	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2623265	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2623266	SWITCH, MULTIPORT	JUNIPER NETWORKS US INC
2623367	COMPUTER, LAPTOP	APPLE COMPUTER INC
2623474	TEST SET, PARAMETER	FLUKE CORP
2623509	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2623510	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2623511	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2623512	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
2623637	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623648	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623649	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623650	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623821	SERVER	DELL COMPUTER CORP F-PC'S LTD
2623828	SERVER	HEWLETT-PACKARD CO
2623829	SERVER	HEWLETT-PACKARD CO
2623830	SERVER	SUPER MICRO COMPUTERS, INC
2624053	SERVER	HEWLETT-PACKARD CO
2624054	SERVER	HEWLETT-PACKARD CO
2624063	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2624064	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2624065	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2624076	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2624077	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624078	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624079	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624080	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624081	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624082	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624083	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624084	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624085	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624086	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624088	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2624089	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624090	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624091	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624092	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624093	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624094	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624095	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624096	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624108	SERVER	JUNIPER NETWORKS US INC
2624130	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2624131	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2624132	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD

2624133	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2624134	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2624135	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2624136	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD
2624174	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624175	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624207	SWITCHING GROUP, DIGITAL DATA	ARISTA CORP.
2624208	SWITCHING GROUP, DIGITAL DATA	ARISTA CORP.
2624221	SWITCH, MILTIPOINT	JUNIPER NETWORKS US INC
2624227	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624231	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624232	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624233	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624234	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624235	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624236	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624237	SWITCHING UNIT	JUNIPER NETWORKS US INC
2624521	SWITCHING UNIT/PROG ELEC COMM	UNIVERSAL SWITCHING CORP
2624693	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624694	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624910	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624911	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624912	SERVER	DELL COMPUTER CORP F-PC'S LTD
2624913	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625045	SERVER	HEWLETT-PACKARD CO
2625046	SERVER	HEWLETT-PACKARD CO
2625054	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625055	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625058	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625059	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625060	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625061	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625062	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625063	SWTICH, MULTIPORT	JUNIPER NETWORKS US INC
2625064	SWTICH, MULTIPORT	JUNIPER NETWORKS US INC
2625066	SWTICH, MULTIPORT	JUNIPER NETWORKS US INC
2625068	SWTICH, MULTIPORT	JUNIPER NETWORKS US INC
2625069	SWTICH, MULTIPORT	JUNIPER NETWORKS US INC
2625070	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625078	COMPUTER, LAPTOP	APPLE COMPUTER INC
2625090	COMPUTER, LAPTOP	HEWLETT-PACKARD CO
2625091	COMPUTER, LAPTOP	HEWLETT-PACKARD CO
2625116	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625117	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625118	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625119	FIREWALL, SECURITY, ADP	JUNIPER NETWORKS US INC
2625333	SECURITY APPLIANCE	JUNIPER NETWORKS US INC

2625335	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625337	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625339	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625340	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625341	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625342	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625349	DISK ARRAY	HEWLETT-PACKARD CO
2625350	DISK ARRAY	HEWLETT-PACKARD CO
2625355	SWITCHING UNIT	JUNIPER NETWORKS US INC
2625356	SWITCHING UNIT	JUNIPER NETWORKS US INC
2625357	SWITCHING UNIT	JUNIPER NETWORKS US INC
2625358	SWITCHING UNIT	JUNIPER NETWORKS US INC
2625455	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625456	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625468	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625469	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625470	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625472	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625473	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625474	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625475	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625476	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625477	SERVER	DELL COMPUTER CORP F-PC'S LTD
2625803	DISK ARRAY	HEWLETT-PACKARD CO
2625886	DISK ARRAY	HEWLETT-PACKARD CO
2625888	DISK ARRAY	HEWLETT-PACKARD CO
2625921	SWITCH ETHERNET	JUNIPER NETWORKS US INC
2625923	SWITCH ETHERNET	JUNIPER NETWORKS US INC
2625925	SWITCH ETHERNET	JUNIPER NETWORKS US INC
2625930	SWITCH ETHERNET	JUNIPER NETWORKS US INC
2625955	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2625981	SECURITY APPLIANCE	JUNIPER NETWORKS US INC
2625983	DISK ARRAY	HEWLETT-PACKARD CO
2625984	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2626015	TESTER, CABLE	FLUKE CORPORATION
2626016	TESTER, CABLE	FLUKE CORPORATION
2626042	SERVER	HEWLETT-PACKARD CO
2626044	SERVER	HEWLETT-PACKARD CO
2626045	SERVER	HEWLETT-PACKARD CO
2626046	SERVER	HEWLETT-PACKARD CO
2626710	APPLIANCE, INTERNET SECURITY	RIVERBED TECHNOLOGY, INC.
2626711	APPLIANCE, INTERNET SECURITY	RIVERBED TECHNOLOGY, INC.
2626712	APPLIANCE, INTERNET SECURITY	RIVERBED TECHNOLOGY, INC.
2626713	APPLIANCE, INTERNET SECURITY	RIVERBED TECHNOLOGY, INC.
2626716	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626717	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626718	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC

2626719	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626720	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626721	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626732	SERVER	DELL COMPUTER CORP F-PC'S LTD
2626734	SERVER	DELL COMPUTER CORP F-PC'S LTD
2626755	SERVER	WEBSense INC
2626756	SERVER	WEBSense INC
2626757	SERVER	WEBSense INC
2626773	SERVER	HEWLETT-PACKARD CO
2626774	SERVER	HEWLETT-PACKARD CO
2626820	SERVER	HEWLETT-PACKARD CO
2626821	SERVER	HEWLETT-PACKARD CO
2626837	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
2626838	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
2626842	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
2626843	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
2626844	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
2626877	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2626878	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2626879	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2626880	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2626881	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
2626949	SERVER	HEWLETT-PACKARD CO
2626950	SERVER	HEWLETT-PACKARD CO
2626966	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626967	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626968	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626969	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626970	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2626971	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
2627062	DISK ARRAY	PADOVA TECHNOLOGIES INC
2627104	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627139	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627140	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627141	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627142	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627156	COMPUTER, TABLET	APPLE COMPUTER INC
2627157	COMPUTER, TABLET	APPLE COMPUTER INC
2627171	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627172	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627173	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627467	COMPUTER, LAPTOP	MSI DATA CORP
2627468	COMPUTER, LAPTOP	MSI DATA CORP
2627480	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627481	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627482	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627483	SWITCH, ETHERNET	JUNIPER NETWORKS US INC

2627484	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627485	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627583	SERVER	HEWLETT-PACKARD CO
2627584	SERVER	HEWLETT-PACKARD CO
2627585	SERVER	HEWLETT-PACKARD CO
2627586	SERVER	HEWLETT-PACKARD CO
2627587	SERVER	HEWLETT-PACKARD CO
2627589	SERVER	HEWLETT-PACKARD CO
2627590	SERVER	HEWLETT-PACKARD CO
2627592	SERVER	HEWLETT-PACKARD CO
2627593	SERVER	HEWLETT-PACKARD CO
2627594	SERVER	HEWLETT-PACKARD CO
2627595	SERVER	HEWLETT-PACKARD CO
2627596	SERVER	HEWLETT-PACKARD CO
2627597	SERVER	HEWLETT-PACKARD CO
2627598	SERVER	HEWLETT-PACKARD CO
2627599	SERVER	HEWLETT-PACKARD CO
2627600	SERVER	HEWLETT-PACKARD CO
2627602	SERVER	HEWLETT-PACKARD CO
2627603	SERVER	HEWLETT-PACKARD CO
2627604	SERVER	HEWLETT-PACKARD CO
2627605	SERVER	HEWLETT-PACKARD CO
2627606	SERVER	HEWLETT-PACKARD CO
2627607	SERVER	HEWLETT-PACKARD CO
2627636	SWITCH, ETHERNET	CISCO
2627637	SWITCH, ETHERNET	CISCO
2627729	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627731	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627734	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627735	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627865	SERVER	DELL COMPUTER CORP F-PC'S LTD
2627901	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627902	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627904	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627905	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627906	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2627987	SERVER	HEWLETT-PACKARD CO
2627991	DISK ARRAY	HEWLETT-PACKARD CO
2627992	TAPE LIBRARY	HEWLETT-PACKARD CO
2628583	SERVER	HEWLETT-PACKARD CO
2628584	SERVER	HEWLETT-PACKARD CO
2628585	SERVER	HEWLETT-PACKARD CO
2628590	SERVER	HEWLETT-PACKARD CO
2628638	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628639	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628640	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628641	SERVER	DELL COMPUTER CORP F-PC'S LTD

2628642	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628643	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628644	SERVER	DELL COMPUTER CORP F-PC'S LTD
2628695	ANALYZER, NETWORK	RIVERBED TECHNOLOGY, INC.
2628889	COMPUTER, MICRO	HEWLETT-PACKARD CO
2628890	COMPUTER, MICRO	HEWLETT-PACKARD CO
2628926	SERVER	HEWLETT-PACKARD CO
2628927	SERVER	HEWLETT-PACKARD CO
2628928	SERVER	HEWLETT-PACKARD CO
2628929	SERVER	HEWLETT-PACKARD CO
2628932	SERVER	HEWLETT-PACKARD CO
2628939	COMPUTER, LAPTOP	MSI COMPUTER
2628979	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2629001	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
2629006	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629007	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629008	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629009	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629010	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629040	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629041	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629042	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629056	SERVER	HEWLETT-PACKARD CO
2629064	COMPUTER, MICRO	APPLE COMPUTER INC
2629065	COMPUTER, MICRO	APPLE COMPUTER INC
2629066	SERVER	HEWLETT-PACKARD CO
2629067	SERVER	HEWLETT-PACKARD CO
2629068	SERVER	HEWLETT-PACKARD CO
2629069	SERVER	HEWLETT-PACKARD CO
2629070	SERVER	HEWLETT-PACKARD CO
2629071	SERVER	HEWLETT-PACKARD CO
2629072	SERVER	HEWLETT-PACKARD CO
2629073	SERVER	HEWLETT-PACKARD CO
2629074	SERVER	HEWLETT-PACKARD CO
2629096	SERVER	HEWLETT-PACKARD CO
2629097	SERVER	HEWLETT-PACKARD CO
2629098	SERVER	HEWLETT-PACKARD CO
2629100	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629101	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629102	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629103	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629104	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629105	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629106	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629107	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629108	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC
2629109	SWITCHING GROUP, DIGITAL DATA	JUNIPER NETWORKS US INC

2629995	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629996	COMPUTER, MICRO	HEWLETT-PACKARD CO
2629997	COMPUTER, MICRO	HEWLETT-PACKARD CO
2630039	CONVERTER, ANALOG TO DIGITAL	HEWLETT-PACKARD CO
2630042	SERVER	HEWLETT-PACKARD CO
2630074	DOWNMIXER/SIGNAL SPLITTER	PULSE INSTRUMENTS CO
2630163	DISPLAY UNIT	BENQ INC
2630235	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
2630576	OPTICAL CONVERTER	CIENA CORPORATION
2630610	OPTICAL CONVERTER	CIENA CORPORATION
2630716	SERVER	HEWLETT-PACKARD CO
2630717	SERVER	HEWLETT-PACKARD CO
2630718	SERVER	HEWLETT-PACKARD CO
2630719	SERVER	HEWLETT-PACKARD CO
2630722	SERVER	HEWLETT-PACKARD CO
2630723	SERVER	HEWLETT-PACKARD CO
2630725	SERVER	HEWLETT-PACKARD CO
2630726	SERVER	HEWLETT-PACKARD CO
2630729	SERVER	HEWLETT-PACKARD CO
2630732	SERVER	HEWLETT-PACKARD CO
2630734	SERVER	HEWLETT-PACKARD CO
2630735	SERVER	HEWLETT-PACKARD CO
2630738	SERVER	HEWLETT-PACKARD CO
2630740	SERVER	HEWLETT-PACKARD CO
2630743	SERVER	HEWLETT-PACKARD CO
2630744	SERVER	HEWLETT-PACKARD CO
2630747	SERVER	HEWLETT-PACKARD CO
2630754	SERVER	HEWLETT-PACKARD CO
2630756	SERVER	HEWLETT-PACKARD CO
2630759	SERVER	HEWLETT-PACKARD CO
2630760	SERVER	HEWLETT-PACKARD CO
2630761	SERVER	HEWLETT-PACKARD CO
2630762	SERVER	HEWLETT-PACKARD CO
2630763	SERVER	HEWLETT-PACKARD CO
2630764	SERVER	HEWLETT-PACKARD CO
2630765	SERVER	HEWLETT-PACKARD CO
2630766	SERVER	HEWLETT-PACKARD CO
2630767	SERVER	HEWLETT-PACKARD CO
2630768	SERVER	HEWLETT-PACKARD CO
2630769	SERVER	HEWLETT-PACKARD CO
2630770	SERVER	HEWLETT-PACKARD CO
2630771	SERVER	HEWLETT-PACKARD CO
2630772	SERVER	HEWLETT-PACKARD CO
2630773	SERVER	HEWLETT-PACKARD CO
2630774	SERVER	HEWLETT-PACKARD CO
2630775	SERVER	HEWLETT-PACKARD CO
2630776	SERVER	HEWLETT-PACKARD CO

2630777	SERVER	HEWLETT-PACKARD CO
2630778	SERVER	HEWLETT-PACKARD CO
2630816	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2630817	COMPUTER, MICRO	SUN MICROSYSTEMS INC
2672957	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2672984	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2672985	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2672986	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2672987	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2673016	LOAD BALANCER	ATEN TECHNOLOGY INC
2673020	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
2673021	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
2673022	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
2673051	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673052	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673053	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673054	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673055	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673056	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673057	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2673058	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
2673060	TIME DISPLAY	TRAK MICROWAVE CORP
2673061	TIME DISPLAY	TRAK MICROWAVE CORP
2673062	TIME DISPLAY	TRAK MICROWAVE CORP
2673063	TIME DISPLAY	TRAK MICROWAVE CORP
2673078	COMPUTER, LAPTOP	APPLE COMPUTER INC
2673687	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2673688	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2673694	SERVER	DELL COMPUTER CORP F-PC'S LTD
2673695	SERVER	DELL COMPUTER CORP F-PC'S LTD
2674526	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
2674527	TIME DISPLAY	TRAK MICROWAVE CORP
2674962	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2674963	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2674964	SERVER	DELL COMPUTER CORP F-PC'S LTD
2675061	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
2675062	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
3010163	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
3010968	COMPUTER, MICRO	COMPAQ COMPUTER CORP
3013669	COMPUTER, MICRO	APPLE COMPUTER INC
3014080	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3034862	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3034867	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3038805	INTERFACE UNIT,AUTOMATIC DATA PRC	CISCO SYSTEMS INC
3038806	INTERFACE UNIT,AUTOMATIC DATA PRC	CISCO SYSTEMS INC
3070310	SERVER	HEWLETT-PACKARD CO
3070413	TRANSPORT, MAGNETIC TAPE	QUANTUM INC

3075006	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3075012	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3075862	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
3075979	ROUTER, COMMUNICATIONS	CISCO SYSTEMS INC
3076523	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3076526	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3076772	PRINTER, ADP, LASER	XEROX CORP
3076870	DISPLAY UNIT	DELL COMPUTER CORP F-PC'S LTD
3077223	PRINTER, ADP	HEWLETT-PACKARD CO
3077389	COMPUTER, SERVER	DELL COMPUTER CORP F-PC'S LTD
3077390	COMPUTER, SERVER	DELL COMPUTER CORP F-PC'S LTD
3077403	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3077447	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3078170	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
3078176	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
3079043	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
3079190	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
3080151	DISPLAY UNIT	DELL COMPUTER CORP F-PC'S LTD
3080895	COMPUTER, MICRO	SUN MICROSYSTEMS INC
3080972	INTERFACE UNIT,AUTOMATIC DATA PRC	CISCO SYSTEMS INC
3081035	SPLITTER, TAP	NET OPTICS INC
3081038	DISPLAY UNIT, RACKMOUNT	LZS GLOBAL SERVICES INC.
3081040	DISPLAY UNIT, RACKMOUNT	LZS GLOBAL SERVICES INC.
3081041	CHASSIS	LZS GLOBAL SERVICES INC.
3081044	CHASSIS	LZS GLOBAL SERVICES INC.
5014113	TRANSPORT, MAGNETIC TAPE	QUANTUM CO
5014128	SERVER	HEWLETT-PACKARD CO
5014129	SERVER	HEWLETT-PACKARD CO
5014141	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5014142	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5014155	LOAD BALANCER	ATEN TECHNOLOGY INC
5014196	SWITCH, ETHERNET	ARISTA CORP.
5014197	SWITCH, ETHERNET	ARISTA CORP.
5014198	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5014200	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5018066	SERVER	HEWLETT-PACKARD CO
5018067	SERVER	HEWLETT-PACKARD CO
5018198	LAPTOP	APPLE
5034010	COMPUTER, MICRO	NATIONAL INSTRUMENT
5034011	COMPUTER, MICRO	NATIONAL INSTRUMENT
5034133	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5034134	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5034135	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5034140	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5034141	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5034319	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5034320	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD

5034385	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5034386	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5034388	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5034402	APPLIANCE, INTERNET SECURITY	ATTENTION SOFTWARE, INC
5034403	APPLIANCE, INTERNET SECURITY	ATTENTION SOFTWARE, INC
5034404	APPLIANCE, INTERNET SECURITY	ATTENTION SOFTWARE, INC
5034479	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5034545	COMPUTER, LAPTOP	APPLE COMPUTER INC
5034732	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034733	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034734	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034735	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034736	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034761	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034762	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034763	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034764	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034765	COMPUTER, MICRO	HEWLETT-PACKARD CO
5034768	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5034769	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5034780	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5034931	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5034932	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5038101	COMPUTER RACKMOUNT	SUPERLOGICS
5038102	COMPUTER RACKMOUNT	SUPERLOGICS
5038103	COMPUTER RACKMOUNT	SUPERLOGICS
5038104	COMPUTER RACKMOUNT	SUPERLOGICS
5038105	COMPUTER RACKMOUNT	SUPERLOGICS
5038106	COMPUTER RACKMOUNT	SUPERLOGICS
5038107	COMPUTER RACKMOUNT	SUPERLOGICS
5038108	COMPUTER RACKMOUNT	SUPERLOGICS
5038109	COMPUTER RACKMOUNT	SUPERLOGICS
5038110	COMPUTER RACKMOUNT	SUPERLOGICS
5038111	COMPUTER RACKMOUNT	SUPERLOGICS
5038112	COMPUTER RACKMOUNT	SUPERLOGICS
5038113	COMPUTER RACKMOUNT	SUPERLOGICS
5038114	COMPUTER RACKMOUNT	SUPERLOGICS
5038115	COMPUTER RACKMOUNT	SUPERLOGICS
5038116	COMPUTER RACKMOUNT	SUPERLOGICS
5038117	COMPUTER RACKMOUNT	SUPERLOGICS
5038118	COMPUTER RACKMOUNT	SUPERLOGICS
5038119	COMPUTER RACKMOUNT	SUPERLOGICS
5038120	COMPUTER RACKMOUNT	SUPERLOGICS
5038121	COMPUTER RACKMOUNT	SUPERLOGICS
5038122	COMPUTER RACKMOUNT	SUPERLOGICS
5038123	COMPUTER RACKMOUNT	SUPERLOGICS
5038124	COMPUTER RACKMOUNT	SUPERLOGICS

5038125	COMPUTER RACKMOUNT	SUPERLOGICS
5038126	COMPUTER RACKMOUNT	SUPERLOGICS
5038127	COMPUTER RACKMOUNT	SUPERLOGICS
5038128	COMPUTER RACKMOUNT	SUPERLOGICS
5038129	COMPUTER RACKMOUNT	SUPERLOGICS
5038141	COMPUTER, LAPTOP	APPLE COMPUTER INC
5038154	LAPTOP COMPUTER	DELL
5038155	LAPTOP COMPUTER	DELL
5038161	COMPUTER TABLET	APPLE
5038162	COMPUTER TABLET	APPLE
5038163	COMPUTER, LAPTOP	APPLE COMPUTER INC
5038165	DEMODULATOR	Zodiac Data Systems
5038189	MICRO COMPUTER	DELL
5038190	MICRO COMPUTER	DELL
5038191	MICRO COMPUTER	DELL
5038198	LAPTOP COMPUTER	APPLE
5039423	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5039429	SECURE HARD DRIVE	APRICORN
5039430	SECURE HARD DRIVE	APRICORN
5039431	SECURE HARD DRIVE	APRICORN
5039432	SECURE HARD DRIVE	APRICORN
5039462	Color Laser Jet Enterprise Printer	HP
5040334	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5041886	SERVER	HEWLETT-PACKARD CO
5041887	SERVER	HEWLETT-PACKARD CO
5041899	SERVER	HEWLETT-PACKARD CO
5042033	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042034	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042035	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042036	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042075	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5042076	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5042077	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5042078	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5042122	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042123	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042124	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042125	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042126	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042127	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042128	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042129	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042130	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042131	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042132	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042133	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042134	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD



5042246	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042247	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042262	SERVER	HEWLETT-PACKARD CO
5042263	SERVER	HEWLETT-PACKARD CO
5042264	SERVER	HEWLETT-PACKARD CO
5042265	SERVER	HEWLETT-PACKARD CO
5042266	SERVER	HEWLETT-PACKARD CO
5042267	SERVER	HEWLETT-PACKARD CO
5042268	SERVER	HEWLETT-PACKARD CO
5042269	SERVER	HEWLETT-PACKARD CO
5042270	SERVER	HEWLETT-PACKARD CO
5042271	SERVER	HEWLETT-PACKARD CO
5042272	SERVER	HEWLETT-PACKARD CO
5042273	SERVER	HEWLETT-PACKARD CO
5042274	SERVER	HEWLETT-PACKARD CO
5042275	SERVER	HEWLETT-PACKARD CO
5042276	SERVER	HEWLETT-PACKARD CO
5042277	SERVER	HEWLETT-PACKARD CO
5042278	SERVER	HEWLETT-PACKARD CO
5042279	SERVER	HEWLETT-PACKARD CO
5042280	SERVER	HEWLETT-PACKARD CO
5042281	SERVER	HEWLETT-PACKARD CO
5042282	SERVER	HEWLETT-PACKARD CO
5042283	SERVER	HEWLETT-PACKARD CO
5042284	SERVER	HEWLETT-PACKARD CO
5042285	SERVER	HEWLETT-PACKARD CO
5042286	SERVER	HEWLETT-PACKARD CO
5042287	SERVER	HEWLETT-PACKARD CO
5042288	SERVER	HEWLETT-PACKARD CO
5042289	SERVER	HEWLETT-PACKARD CO
5042290	SERVER	HEWLETT-PACKARD CO
5042291	SERVER	HEWLETT-PACKARD CO
5042292	SERVER	HEWLETT-PACKARD CO
5042293	SERVER	HEWLETT-PACKARD CO
5042295	SERVER	HEWLETT-PACKARD CO
5042296	SERVER	HEWLETT-PACKARD CO
5042297	SERVER	HEWLETT-PACKARD CO
5042298	SERVER	HEWLETT-PACKARD CO
5042300	SERVER	HEWLETT-PACKARD CO
5042301	SERVER	HEWLETT-PACKARD CO
5042302	SERVER	HEWLETT-PACKARD CO
5042303	SERVER	HEWLETT-PACKARD CO
5042304	SERVER	HEWLETT-PACKARD CO
5042305	SERVER	HEWLETT-PACKARD CO
5042306	SERVER	HEWLETT-PACKARD CO
5042307	SERVER	HEWLETT-PACKARD CO
5042308	SERVER	HEWLETT-PACKARD CO

5042315	SERVER	HEWLETT-PACKARD CO
5042316	SERVER	HEWLETT-PACKARD CO
5042317	SERVER	HEWLETT-PACKARD CO
5042318	SERVER	HEWLETT-PACKARD CO
5042319	SERVER	HEWLETT-PACKARD CO
5042320	SERVER	HEWLETT-PACKARD CO
5042321	SERVER	HEWLETT-PACKARD CO
5042322	SERVER	HEWLETT-PACKARD CO
5042323	SERVER	HEWLETT-PACKARD CO
5042324	SERVER	HEWLETT-PACKARD CO
5042326	SERVER	HEWLETT-PACKARD CO
5042327	SERVER	HEWLETT-PACKARD CO
5042328	SERVER	HEWLETT-PACKARD CO
5042329	SERVER	HEWLETT-PACKARD CO
5042351	COMPUTER, MICRO	NATIONAL INSTRUMENT
5042352	COMPUTER, MICRO	NATIONAL INSTRUMENT
5042373	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042374	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042375	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042376	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042400	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042401	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042402	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042403	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042404	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042405	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042406	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042432	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5042433	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5042434	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5042435	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5042439	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5042440	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5042442	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5042443	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5042444	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5042465	LOAD BALANCER	ATEN TECHNOLOGY INC
5042587	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5042595	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5042633	DISPLAY/KEYBOARD, RACKMOUNT	TRIPP LITE
5042641	SWITCH, NETWORK	JUNIPER NETWORKS US INC
5042644	SWITCH, ETHERNET	UNIVERSAL SWITCHING CORP
5042673	SWITCH, NETWORK	JUNIPER NETWORKS US INC
5042676	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042677	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042678	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042679	SERVER	DELL COMPUTER CORP F-PC'S LTD

5042696	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5042749	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042750	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042751	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042752	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042761	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042768	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042769	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042770	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042771	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042772	SERVER	DELL COMPUTER CORP F-PC'S LTD
5042787	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
5042788	SWITCHING UNIT/PROG ELEC COMM	JUNIPER NETWORKS US INC
5042802	SWITCH, ETHERNET	CISCO SYSTEMS INC
5042803	SWITCH, ETHERNET	CISCO SYSTEMS INC
5042853	SERVER	SPIRENT COMMUNICATION
5042854	SWITCHING GROUP, DIGITAL DATA	CISCO SYSTEMS INC
5042871	EMULATOR, NETWORK	APPOSITE TECHNOLOGIES, INC
5042877	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042878	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042879	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5042880	SWITCH, ETHERNET	ARISTA CORP.
5043885	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5048364	DISK ARRAY	HEWLETT-PACKARD CO
5063608	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
5063609	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
5063610	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
5063611	TAPE LIBRARY	DELL COMPUTER CORP F-PC'S LTD
5063612	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5063613	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5063635	LAPTOP COMPUTER	DELL
5063635	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5063972	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5063973	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5064039	TELEVISIONS, HOME TYPE	SONY CORP OF AMERICA
5064046	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5064047	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5064048	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5064119	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5064216	PROJECTOR	OPTOMA TECHNOLOGY INC.
5064217	PROJECTOR	OPTOMA TECHNOLOGY INC.
5065144	COMPUTER / DISPLAY	APPLE COMPUTER INC
5065205	COMPUTER, LAPTOP	APPLE COMPUTER INC
5065282	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
5065283	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
5065284	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
5065301	TAPE DRIVE	HEWLETT-PACKARD CO

5065302	TAPE DRIVE	HEWLETT-PACKARD CO
5065315	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5065316	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5065414	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5065415	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5065449	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5066231	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066232	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066233	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066297	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5066298	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5066299	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5066300	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5066301	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LTD
5066564	LAPTOP COMPUTER	APPLE
5066565	LAPTOP COMPUTER	APPLE
5066571	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5066572	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5066582	COMPUTER	DELL
5066583	COMPUTER	DELL
5066589	LAPTOP COMPUTER	APPLE
5066590	LAPTOP COMPUTER	APPLE
5066594	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5066595	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5066636	TAPE DRIVE	HEWLETT-PACKARD CO
5066669	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5066670	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066671	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066672	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066673	COMPUTER, MICRO	HEWLETT-PACKARD CO
5066675	COMPRESSOR	BROOKS AUTOMATION
5066676	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5066680	COMPUTER / DISPLAY	APPLE
5066698	UPS	EATON
5066707	PROCESSOR, SWITCHING MODULE	KONGSBERG SPACETEC A/S
5066709	PROJECTOR	VIEW SONIC
5066720	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5066723	DISPLAY UNIT / COMPUTER	APPLE
5066728	LAPTOP COMPUTER	DELL
5066729	LAPTOP COMPUTER	DELL
5066746	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5066747	LAPTOP COMPUTER	DELL
5066974	LAPTOP COMPUTER	APPLE
5066983	PROJECTOR	OPTOMA TECHNOLOGY INC.
5066984	PROJECTOR	OPTOMA TECHNOLOGY INC.
5067007	COMPUTER	SUPER LOGICS
5067007	COMPUTER MICRO	SUPERLOGICS

5067008	LAPTOP COMPUTER	DELL
5067015	LAPTOP COMPUTER	APPLE
5067024	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067025	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067026	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067027	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067028	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067029	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067030	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067031	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067032	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067033	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067034	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067035	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067036	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067037	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067038	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067039	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067040	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067041	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067042	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067043	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067044	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067045	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067046	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067047	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067048	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067049	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067050	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067051	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067052	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067053	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067149	COMPUTER, LAPTOP	APPLE COMPUTER INC
5067150	COMPUTER, LAPTOP	APPLE COMPUTER INC
5067151	COMPUTER, LAPTOP	APPLE COMPUTER INC
5067254	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067255	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067256	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067257	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067258	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067259	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067260	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067261	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067262	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067263	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5067264	PRINTER, ADP, LASER	HEWLETT-PACKARD CO
5067265	LAPTOP COMPUTER	APPLE

5067275	CAMERA LENS 18-35MM	SIGMA
5067276	CAMERA LENS 18-35MM	SIGMA
5067277	CAMERA LENS 18-35MM	SIGMA
5067278	CAMERA LENS 18-35MM	SIGMA
5067355	COMPUTER / DISPLAY	APPLE
5067356	COMPUTER / DISPLAY	APPLE
5067372	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5067443	COMPUTER LAPTOP	DELL
5067444	COMPUTER, LAPTOP	DELL COMPUTER CORP F-PC'S LTD
5067453	Cortex high data rate (HDR) receiver	Zodiac Data Systems
5067765	SERVER	HEWLETT-PACKARD CO
5067766	SERVER	HEWLETT-PACKARD CO
5067904	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5067905	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5067906	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5067907	COMPUTER, MICRO	SUN MICROSYSTEMS INC
5067921	SERVER	DELL COMPUTER CORP F-PC'S LTD
5067922	SERVER	DELL COMPUTER CORP F-PC'S LTD
5067923	SERVER	DELL COMPUTER CORP F-PC'S LTD
5067924	SERVER	DELL COMPUTER CORP F-PC'S LTD
5067925	SERVER	DELL COMPUTER CORP F-PC'S LTD
5067926	SERVER	DELL COMPUTER CORP F-PC'S LTD
5068034	SERVER	DELL COMPUTER CORP F-PC'S LTD
5068101	SERVER	DELL COMPUTER CORP F-PC'S LTD
5068491	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068492	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068493	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068494	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068518	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068519	SERVER	HEWLETT-PACKARD CO
5068554	SERVER	HEWLETT-PACKARD CO
5068555	SERVER	HEWLETT-PACKARD CO
5068556	SERVER	HEWLETT-PACKARD CO
5068557	SERVER	HEWLETT-PACKARD CO
5068558	DISK ARRAY	HEWLETT-PACKARD CO
5068599	ANALYZER, NETWORK	FLUKE CORP
5068702	SERVER	DELL COMPUTER CORP F-PC'S LTD
5068703	SERVER	HEWLETT-PACKARD CO
5068743	SERVER	FORESCOUT TECHNOLOGIES INC
5068756	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068757	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068758	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068759	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068761	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5068788	TAPE DRIVE	SUN MICROSYSTEMS INC
5068789	TAPE DRIVE	SUN MICROSYSTEMS INC
5068879	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC

5069523	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069546	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069549	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069556	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069563	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069565	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069572	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069584	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069585	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069598	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069641	SERVER	HEWLETT-PACKARD CO
5069642	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069643	SERVER	DELL COMPUTER CORP F-PC'S LTD
5069667	TAPE DRIVE	HEWLETT-PACKARD CO
5069825	COMPUTER, LAPTOP	APPLE COMPUTER INC
5069836	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
5070054	DISK ARRAY	SYNOLOGY
5070081	TELEVISIONS, HOME TYPE	SAMSUNG ELECTRONICS
5070111	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070116	DISK ARRAY	RAID INC
5070117	DISK ARRAY	RAID INC
5070118	DISK ARRAY	RAID INC
5070119	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070120	DISK ARRAY	RAID INC
5070123	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070126	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070127	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070128	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070130	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070146	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070154	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070159	DISK ARRAY	RAID INC
5070179	DISK ARRAY	RAID INC
5070184	DISK ARRAY	RAID INC
5070204	ROUTER COMMUNICATION	CISCO
5070205	ROUTER COMMUNICATION	CISCO
5070206	ROUTER COMMUNICATION	CISCO
5070207	ROUTER COMMUNICATION	CISCO
5070208	ROUTER COMMUNICATION	CISCO
5070209	ROUTER COMMUNICATION	CISCO
5070210	ROUTER COMMUNICATION	CISCO
5070211	ROUTER COMMUNICATION	CISCO
5070212	ROUTER COMMUNICATION	CISCO
5070213	ROUTER COMMUNICATION	CISCO
5070214	ROUTER COMMUNICATION	CISCO
5070215	ROUTER COMMUNICATION	CISCO
5070216	ROUTER COMMUNICATION	CISCO

5070217	ROUTER COMMUNICATION	CISCO
5070218	ROUTER COMMUNICATION	CISCO
5070219	ROUTER COMMUNICATION	CISCO
5070220	ROUTER COMMUNICATION	CISCO
5070221	ROUTER COMMUNICATION	CISCO
5070222	ROUTER COMMUNICATION	CISCO
5070223	ROUTER COMMUNICATION	CISCO
5070224	ROUTER COMMUNICATION	CISCO
5070225	ROUTER COMMUNICATION	CISCO
5070226	ROUTER COMMUNICATION	CISCO
5070227	ROUTER COMMUNICATION	CISCO
5070228	ROUTER COMMUNICATION	CISCO
5070229	ROUTER COMMUNICATION	CISCO
5070230	ROUTER COMMUNICATION	CISCO
5070231	ROUTER COMMUNICATION	CISCO
5070232	ROUTER COMMUNICATION	CISCO
5070233	ROUTER COMMUNICATION	CISCO
5070234	ROUTER COMMUNICATION	CISCO
5070235	ROUTER COMMUNICATION	CISCO
5070274	CAMERA 4.6K	BLACK MAGIC
5070275	CAMERA 4.6K	BLACK MAGIC
5070276	TABLET COMPUTER	APPLE
5070288	SERVER	HEWLETT PACKARD
5070289	SERVER	HEWLETT PACKARD
5070290	SERVER	HEWLETT PACKARD
5070297	ANALYZER, NETWORK	EXTRAHOP NETWORKS, INC
5070298	COMPUTER TABLET	APPLE
5070317	SERVER	DELL
5070318	DISK ARRAY	NETWORK APPLIANCE INC.
5070324	SERVER	ASA
5070325	SERVER	ASA
5070326	SERVER	DELL
5070327	SERVER	DELL
5070336	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070337	SERVER	DELL COMPUTER CORP F-PC'S LTD
5070341	SERVER	DELL
5070342	SERVER	DELL
5070343	SERVER	DELL
5070344	SERVER	DELL
5070345	SERVER	DELL
5070346	SERVER	DELL
5070347	SERVER	DELL
5070348	SERVER	DELL
5070349	SERVER	DELL
5070350	SERVER	DELL
5070351	SERVER	DELL
5070352	SERVER	DELL

5070353	SERVER	DELL
5070354	SERVER	DELL
5070355	SERVER	DELL
5070356	SERVER	DELL
5070357	SERVER	DELL
5070358	SERVER	DELL
5070362	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070363	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070364	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070365	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070366	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070367	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070368	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070369	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070370	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070371	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5070711	OSCILLOSCOPE	TEKTRONIX
5070723	SERVER	DELL
5070724	SERVER	DELL
5070725	SERVER	DELL
5070726	SERVER	DELL
5070727	SERVER	DELL
5070728	SERVER	DELL
5070729	SERVER	DELL
5070730	SERVER	DELL
5070731	SERVER	DELL
5070732	SERVER	DELL
5070733	SERVER	DELL
5070734	SERVER	DELL
5070735	SERVER	DELL
5070736	SERVER	DELL
5070737	SERVER	DELL
5070738	SERVER	DELL
5070739	SERVER	DELL
5070740	SERVER	DELL
5070786	COMPUTER, TABLET	MICROSOFT
5070787	12 BAY DISK ARRAY	SYNOLOGY
5070808	ANALYZER, SIGNAL	VIAVI SOLUTIONS INC.
5070809	ANALYZER, SIGNAL	VIAVI SOLUTIONS INC.
5070829	SYNCSERVER	MICROSEMI
5070830	SYNCSERVER	MICROSEMI
5070831	SYNCSERVER	MICROSEMI
5070889	SWITCH	JUNIPER
5070890	SWITCH, NETWORK	JUNIPER NETWORKS US INC
5070891	SWITCH, NETWORK	JUNIPER NETWORKS US INC
5070892	COMPUTER, RACKMOUNT	DELL COMPUTER CORP F-PC'S LTD

5070897	Tablet Computer	Apple
5071309	Television	Samsung
5071310	Television	Samsung
5071316	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5071317	APPLIANCE, INTERNET SECURITY	JUNIPER NETWORKS US INC
5071355	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071356	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071357	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071358	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071359	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071360	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071361	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071362	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071363	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071364	SERVER	DELL COMPUTER CORP F-PC'S LTD
5071428	SERVER RACKMOUNT	DELL
5077077	SWITCH, ETHERNET	ARISTA CORP.
5077106	SERVER	MICROSEMI
5077107	SERVER	MICROSEMI
5077318	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077319	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077320	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077321	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077322	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077323	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077324	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077325	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077326	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5077327	DISK ARRAY	DELL COMPUTER CORP F-PC'S LTD
5077383	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077384	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077385	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077386	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077387	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077388	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077389	SWITCH, ETHERNET	JUNIPER NETWORKS US INC
5077425	SWITCH, ETHERNET	ARISTA CORP.
5077426	SWITCH, ETHERNET	ARISTA CORP.
5077452	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5077453	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5077454	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5077455	COMPUTER, MICRO MINI	DELL COMPUTER CORP F-PC'S LTD
5077486	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
5077487	DISPLAY/KEYBOARD, RACKMOUNT	CRYSTAL IMAGE TECHNOLOGIES
5077501	CHASSIS, FIBER OPTIC	CIENA CORPORATION
5077503	CHASSIS, FIBER OPTIC	CIENA CORPORATION
5077548	SWITCH, ETHERNET	JUNIPER NETWORKS US INC



N/A	DIGITAL KVM SWITCH	DELL
N/A	DIGITAL KVM SWITCH	DELL
N/A	ROUTER	JUNIPER
N/A	TELEVISION	SAMSUNG
N/A	MONITOR	DELL COMPUTER
N/A	MONITOR	DELL COMPUTER
PENDING	HP LaserJet Pro Printer	HP

<b>Acquisition Date</b>	<b>Building</b>	<b>Room</b>	<b>FSC/NSN</b>
2012-07-10	GS-032	S091	6645
2012-07-10	GS-032	S091	6645
2012-07-18	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-09-18	GS-032	S009	6625
2000-06-26	GS-032	C101R	7021
2002-08-01	GS-003	S010A	7021
2004-10-22	GS-032	C101R	7021
2012-07-18	GS-003	S010A	7021
1997-06-09	GS-032	C210H	7021
2012-06-07	GS-032	C210E	7025
1997-06-13	GS-003	S010A	7021
1997-07-15	GS-032	C101R	7021
2012-06-15	GS-032	S091	7025
2012-06-01	GS-032	S091	7025
2012-06-05	GS-032	C210H	7025
2012-07-18	GS-003	S010A	7021
2012-06-01	GS-032	C210H	5895
2012-06-15	GS-032	S091	7025
2012-06-05	GS-032	C210H	7025
2012-06-01	GS-032	S091	7025
2012-06-15	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-06-15	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
2012-10-10	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
1999-09-20	GS-032	C210H	5975
2012-06-12	GS-032	C210H	7025
1999-09-20	GS-032	C210H	7021
2012-06-05	GS-032	C210E	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
2012-08-30	GS-032	S009	7021
2012-08-06	GS-032	CAGE3	7021
2013-08-26	GS-032	CAGE3	7021
2012-07-18	GS-003	S010A	7021
2012-09-07	GS-032	S009	7021
2012-08-30	GS-032	S009	7021

1999-09-29	GS-003	S010A	7025
1999-09-29	GS-003	S010A	7025
1999-12-20	GS-032	C210H	6625
1999-12-20	GS-032	C210H	6625
1999-12-20	GS-032	C210H	5975
1999-12-20	GS-032	C210H	5975
1999-12-20	GS-032	C210H	6625
1999-12-20	GS-032	C210H	5840
2012-06-05	GS-032	C210H	7025
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-032	C210H	7025
2012-07-18	GS-003	S010A	7025
2012-08-30	GS-032	S009	7021
2012-07-18	GS-003	S010A	7021
2012-09-18	GS-032	S009F	6625
2000-03-17	GS-032	C101R	7025
2012-07-18	GS-003	S010	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7021
2012-06-05	GS-032	C210H	7021
2012-06-05	GS-032	C210H	7025
2012-06-12	GS-032	C210H	7025
2000-05-09	GS-003	S010A	7025
2012-06-05	GS-032	C210H	7021
2012-06-05	GS-032	C210H	7021
2000-06-27	GS-032	C210H	6625
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-003	S010A	7025
2012-10-10	GS-032	S009	6130
2002-04-18	GS-032	C101R	5975
2002-04-18	GS-032	C101R	5975
2004-07-15	GS-032	E137	7021
2013-03-01	GS-001	150	7025
2005-10-19	GS-032	N231	7025
2012-07-05	GS-032	C101R	7025
2005-10-19	GS-032	E110	7025
2006-09-08	GS-032	C101R	7021
2006-09-12	GS-032	C101R	7021
2009-04-28	GS-032	C210	7021
2009-06-04	GS-032	E125	7025
2009-08-24	GS-032	W030	7021
2009-08-24	GS-032	W025	7021
2009-09-26	GS-028	E220C	5895
2009-09-26	GS-032	C101R	5895
2009-09-30	GS-032	N273B	7021

2009-09-22	GS-032	C101	7021
2010-03-11	GS-003	S010	7025
2010-03-11	GS-003	S010	7035
2010-03-11	GS-003	S010	7035
2010-03-11	GS-003	S010A	7035
2010-03-11	GS-003	S010A	7025
2010-03-11	GS-003	S010A	7025
2010-08-16	GS-032	C101	7035
2010-08-16	GS-032	C101R	7035
2010-08-11	GS-032	C101R	5895
2010-12-21	GS-003	S025E	7021
2010-12-21	GS-003	S025E	7021
2010-12-21	GS-032	N025B	7021
2010-12-21	GS-032	N025B	7021
2010-12-21	GS-032	C221A	7021
2010-12-21	GS-032	N025B	7021
2013-05-01	GS-032	N217	7021
2009-06-22	GS-032	C101R	5895
2009-08-06	GS-032	C101R	5220
2009-08-06	GS-032	C101R	5220
2013-08-06	GS-003	S025E	7021
2013-08-06	GS-032	N217A	7025
2013-08-06	GS-032	E120	7021
2013-08-06	GS-032	E120	7021
2013-08-06	GS-032	E120	7021
2013-08-06	GS-003	S025E	7021
2013-08-06	GS-003	S025E	7021
2013-08-06	GS-003	S025E	7021
2013-08-06	GS-032	W030	7021
2013-08-06	GS-032	W030	7021
2013-08-06	GS-032	W030	7021
2013-08-06	GS-003	S025E	7021
2013-08-13	GS-032	S009	7021
2013-08-15	GS-032	E221	7021
2013-08-15	GS-032	E221	7021
2013-08-20	GS-032	C210	7021
2013-08-15	GS-032	E221	7021
2013-08-15	GS-032	C210D	7021
2013-08-15	GS-032	E221	7021
2013-08-15	GS-013	141	7021
2013-08-15	GS-013	141	7021
2013-08-15	GS-032	C210	7021
2013-08-15	GS-013	145	7021
2013-08-15	GS-013	141	7021
2013-08-15	GS-032	C210D	7021
2013-08-15	GS-013	141	7021
2013-08-22	GS-013	145	7021

2013-08-22	GS-013	145A	7021
2013-08-22	GS-013	145	7021
2013-08-22	GS-032	C210	7021
2013-08-22	GS-032	C210	7021
2013-08-22	GS-032	C210	7021
2013-09-27	GS-032	N217	7021
2011-04-11	GS-003	S010A	7021
2011-08-31	GS-032	S091	5820
2012-03-29	GS-032	E120	7021
2012-05-15	GS-013	141	7021
2012-05-15	GS-013	141	7025
2012-05-15	GS-013	141	7021
2012-05-15	GS-032	E221	7021
2012-05-15	GS-013	145	7021
2012-05-15	GS-013	145	7025
2013-08-20	GS-032	S009	7025
2013-08-20	GS-032	S009	7025
2013-08-20	GS-032	S009	7025
2013-08-20	GS-032	S009	7035
2013-08-20	GS-032	S009	7035
2013-08-20	GS-001	150	7035
2013-08-20	GS-013	141	7025
2013-08-20	GS-013	141	7021
2013-08-20	GS-013	141	7021
2013-08-20	GS-013	141	7021
2012-05-18	GS-032	S009	5820
2012-05-18	GS-013	145	5820
2012-05-18	GS-003	S010A	7021
2012-05-18	GS-013	141A	7021
2012-05-23	GS-013	145C	7730
2012-05-18	GS-003	S010A	7021
2012-05-18	GS-032	S091	7021
2012-05-18	GS-032	S009	7021
2012-05-18	GS-032	S-009	7021
2012-05-18	GS-032	C210	7021
2012-05-18	GS-013	145	7025
2012-05-18	GS-032	S009	7021
2012-06-01	GS-032	C210H	7025
2012-06-01	GS-032	C210H	5895
2012-06-04	GS-032	S091	7025
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	5895
2012-06-12	GS-032	S091	7025
2012-06-06	GS-032	C210H	7021
2012-06-06	GS-032	C210H	7021
2012-06-05	GS-032	C210H	7025
2012-06-05	GS-032	C210H	7025

2012-06-12	GS-032	C210H	7021
2012-06-06	GS-032	C210H	7021
2012-06-06	GS-032	C210H	7021
2012-06-06	GS-032	C210H	7025
2012-06-06	GS-032	C210H	7025
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-032	C210E	7021
2012-06-07	GS-013	141B	7021
2013-08-27	GS-032	E221	7021
2013-08-27	GS-032	E221	7021
2012-10-10	GS-032	S091	7021
2013-08-27	GS-032	C210D	7025
2013-08-27	GS-032	C210D	7025
2012-06-15	GS-032	C210-E	7730
2012-06-15	GS-032	C210	6025
2012-06-15	GS-032	C210	6025
2012-06-15	GS-032	C210	7730
2012-06-15	GS-032	S-009	7021
2012-06-15	GS-032	C210	7025
2012-06-15	GS-032	C210	7021
2012-06-15	GS-032	S009	7021
2012-06-15	GS-032	C210	7021
2012-06-15	GS-032	C210	7021
2012-06-07	GS-032	S-009	7021
2012-06-07	GS-032	S009	7021
2012-06-15	GS-032	C210	7730
2012-06-15	GS-032	C210	7730
2012-06-15	GS-032	C210	7730
2012-06-15	GS-032	S091	7025
2012-06-15	GS-032	S091	7025
2012-06-15	GS-003	S010A	7021
2012-06-15	GS-003	S010A	7021
2012-06-15	GS-032	S091	7025
2012-06-20	GS-032	E221	7021
2012-06-20	GS-032	S091	7021
2012-06-20	GS-032	S091	7021

2012-06-20	GS-032	C210	7021
2012-06-20	GS-032	E221A	7021
2012-06-20	GS-032	N281	7021
2012-06-26	GS-032	C210A	7021
2012-06-26	GS-032	C210A	5895
2012-06-22	GS-032	S091	7021
2012-06-26	GS-032	N217	7021
2012-06-26	GS-032	N273B	7021
2012-06-25	GS-032	N281	7025
2012-07-01	GS-003	S005B	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7025
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	N231	7021
2012-07-03	GS-032	C101R	7021
2004-07-06	GS-032	E137	7021
2012-08-03	GS-003	023	7021
2012-07-10	GS-003	S010A	7025
2012-07-10	GS-003	S010A	7025
2012-07-12	GS-014	E259B	7021
2012-07-20	WF-N-162	203	7021
2012-07-18	GS-003	S010	7025
2012-07-18	GS-003	S010A	7035
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-003	S010	7021
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-003	S010A	7025
2012-07-18	GS-032	C210E	7021
2012-07-18	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-07-19	GS-003	S010	7021
2012-01-24	GS-003	S010A	7021
2012-07-18	GS-003	S010A	7021
2012-07-23	GS-032	S009	7025
2012-07-23	GS-032	E137	7021
2012-07-23	GS-032	E137	7021
2012-07-23	GS-032	E137	7021
2012-07-23	GS-032	E137	7021
2012-07-23	GS-032	E137	7021

2012-07-23	GS-032	E137	7021
2012-08-06	GS-032	C210	7025
2012-08-06	GS-032	S009	7035
2012-08-02	GS-032	W260H	7021
2012-08-02	GS-032	E221A	7021
2012-08-02	GS-032	E139	7021
2012-08-02	GS-032	E137	7021
2012-08-06	GS-032	C210D	7021
2012-08-02	GS-013	141	7021
2012-08-02	GS-032	E221	7021
2012-08-06	GS-032	C210D	7021
2012-10-19	GS-003	S040	7025
2012-10-19	GS-032	C101R	7025
2012-08-29	GS-032	C210	7025
2012-10-10	GS-032	C210H	7021
2012-10-10	GS-032	E139	7035
2012-10-25	GS-032	N217	7021
2012-10-25	GS-003	S025E	7025
2012-10-25	GS-032	C210	7021
2012-11-13	GS-032	C210	7021
2012-11-13	GS-032	N217	7021
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2020-03-04	GS-014	W236	7025
2018-11-20	GS-032	N217	7025
2016-11-29	GS-013	141	7035
2016-11-29	GS-013	141	7035
2016-11-29	GS-013	141	7035
2017-01-03	GS-032	S009	7035
2017-01-05	GS-032	C210	7035
2017-01-03	GS-003	S025E	7035
2017-01-03	GS-003	S025E	7035
2017-01-05	GS-032	C101	7025
2017-01-05	GS-032	C101	7025
2017-01-05	GS-032	C101	7025
2017-01-05	GS-032	C101	7025
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217-A	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217-A	7021
2017-01-10	GS-032	N217-A	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217-A	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217A	7021

2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217-A	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	E221A	7021
2017-01-10	GS-032	N217A	7021
2017-01-10	GS-003	S-025E	7021
2017-01-10	GS-032	N217	7021
2017-01-10	GS-032	N217A	7021
2017-01-10	GS-032	N217A	7021
2017-01-10	GS-032	N217A	7021
2017-01-10	GS-032	N217A	7021
2017-01-10	GS-032	N217A	7021
2017-01-23	GS-032	C210H	7035
2017-01-23	GS-032	C210H	7035
2017-02-07	GS-032	C210	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-032	C210	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-013	145	7021
2017-02-07	GS-032	C210E	7021
2017-02-07	GS-032	C210D	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-013	145C	7021
2017-02-07	GS-032	C210D	7021
2017-02-07	GS-032	N273B	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-032	C210	7021
2017-02-07	GS-032	C210E	7021
2017-02-07	GS-032	C210E	7021
2017-02-07	GS-032	C210	7021
2017-02-07	GS-032	C210D	7021
2017-02-07	GS-032	C210	7021
2017-02-07	GS-032	C210E	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-013	145	7021
2017-02-07	GS-032	C210D	7021
2017-02-07	GS-032	C210	7021
2017-02-07	GS-032	C210E	7021
2017-02-07	GS-032	C210D	7021
2017-02-07	GS-013	145	7021
2017-02-07	GS-013	141A	7021
2017-02-07	GS-013	141A	7021



2017-02-15	GS-032	S009	7035
2017-02-15	GS-013	141	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-013	141	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-013	141	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-013	141	7035
2017-02-15	GS-032	S009	7035
2017-02-15	GS-013	141	7035
2017-02-15	GS-032	S009	7035
2017-02-28	GS-032	W030	7021
2017-02-28	GS-003	S010	7021
2017-03-02	GS-032	C210H	7035
2017-03-02	GS-032	C210-H	7035
2017-03-02	GS-013	141	7035
2017-03-02	GS-032	C210-H	7035
2017-03-08	GS-032	W-030	7021
2017-03-08	GS-032	E221A	7021
2017-03-08	GS-003	S-025E	7021
2017-03-08	GS-032	N217A	7021
2017-03-08	GS-003	S-025E	7021
2017-03-08	GS-032	N217A	7021
2017-03-08	GS-032	W-030	7021
2017-03-13	GS-032	N217A	5895
2017-03-13	GS-032	C210H	5895
2017-03-13	GS-032	N217A	5895
2017-03-13	GS-032	C210H	5895
2017-03-15	GS-013	141	7035
2017-03-15	GS-032	C210H	7035
2017-03-15	GS-032	C210-H	7035
2017-03-15	GS-013	141	7035
2017-03-15	GS-013	141	7035
2014-01-03		S009	6625
2017-04-17	GS-032	S217A	7021
2017-04-20	GS-032	S231G	7021
2017-05-01	GS-032	S009F	7025
2017-03-21	GS-032	C101	5895
2017-05-04	GS-032	S009	5895
2017-03-21	GS-032	C101	5895
2017-05-15	GS-032	C210H	7035
2017-05-15	GS-032	C210H	7035
2017-05-15	GS-032	C210H	7035
2017-05-15	GS-032	C210H	7035

2017-05-09	GS-032	E221A	7025
2017-06-06	GS-032	C210H	7035
2017-06-06	GS-032	C210H	7035
2017-06-06	GS-013	141	7035
2017-06-06	GS-013	141	7035
2017-06-09	GS-013	141	7035
2017-06-19	GS-032	C210H	7035
2017-06-19	GS-032	C210H	7035
2017-06-19	GS-032	C210H	7035
2017-06-19	GS-013	141	7035
2017-06-19	GS-013	141	7035
2017-06-08	GS-032	C101R	5895
2017-06-08	GS-032	C101R	5895
2017-07-07	GS-032	C210-H	5895
2017-07-07	GS-013	141	5895
2017-07-18	GS-032	C101R	7035
2017-07-18	GS-032	C101R	5895
2017-07-08	GS-032	S009	7040
2017-08-10	GS-013	141A	7021
2017-08-10	GS-013	145C	7021
2017-08-10	GS-032	C210A	7021
2017-08-10	GS-032	C101	5895
2018-01-26	GS-032	S009	7025
2018-11-23	GS-032	S091	7025
2018-03-27	GS-013	141	7025
2018-03-27	GS-032	C210H	7025
2018-03-27	GS-013	141	7025
2018-03-27	GS-032	C210H	7025
2018-03-28	GS-003	S010A	7021
2018-03-28	GS-003	S010A	7021
2018-03-29	GS-032	E221A	7021
2018-03-29	GS-032	S231G	7021
2018-04-10	GS-003	S010A	7021
2018-04-10	GS-003	S010A	7021
2018-04-25	GS-032	LOBBY	7730
2018-04-30	GS-032	W260G	7025
2018-04-30	GS-032	N220B	7025
2018-04-30	GS-032	E130A	7025
2018-05-22	GS-032	S009	7025
2018-06-18	GS-032	S091	6730
2018-06-18	GS-032	N217	6730
2018-07-18	GS-032	E120	7021
2018-08-15	GS-032	E221	7021
2018-09-07	GS-032	C210	7730
2018-09-07	GS-032	C210	7730
2018-09-07	GS-032	C210	7730
2018-09-14	GS-032	S009	7025

2018-09-14	GS-032	S009	7025
2018-07-26	GS-013	141	7035
2018-07-26	GS-013	141	7035
2018-10-29	GS-003	S010A	7021
2018-10-29	GS-003	S010A	7021
2018-11-13	GS-032	E221	7021
2019-03-14	GS-032	S009	7021
2019-03-14	GS-032	S009	7021
2019-03-14	GS-032	S009	7021
2019-03-26	GS-032	C210E	7021
2019-03-26	GS-032	E221	7021
2019-03-26	GS-032	E221	7021
2019-03-26	GS-032	C210E	7021
2019-03-26	GS-032	C210E	7021
2019-05-31	GS-003	W236	7021
2019-04-01	GS-003	S003	7021
2019-04-08	GS-032	N273D	7021
2019-04-08	GS-032	N273D	7021
2019-04-16	208 / AREA 200	008B	7021
2019-04-16	208 / AREA 200		208 7021
2019-04-17	GS-003	C150	7021
2019-04-17	GS-003	C150	7021
2019-04-20	GS-032	N273D	7021
2019-04-20	GS-032	N273D	7021
2019-04-30	GS-032	S09/E137	7025
2019-05-20	GS-032	N217	7025
2019-05-22	GS-032	S009	7021
2019-05-22	GS-032	S009	7021
2019-05-22	GS-032	S009	7021
2019-05-17	GS-010	AREA 2	4210
2019-05-24	GS-032	N217	7025
2019-05-14	GS-028	N175	7021
2019-06-07	GGAO	SGSLR	6115
2019-06-06	GS-013	C141	5895
2019-06-11	GS-003	K05659	6730
2019-06-17	GS-032	S231	7025
2019-06-21	GS-003	C130A	7021
2019-06-20	GS-032	S217	7021
2019-06-20	GS-032	S015	7021
2019-07-01	GS-032	N250	7025
2019-07-09	GS-032	S231	7021
2019-07-17	GS-032	S231	7021
2019-07-17	GS-032	N202	6730
2019-07-17	GS-032	N202	6730
2019-08-09	GS-013		190 7021
2019-08-09	GS-013		190 7021



2019-09-12	GS-028	N123	6760
2019-09-12	GS-028	N123	6760
2019-09-12	GS-028	N123	6760
2019-09-19	GS-028	N123	6760
2019-09-26	GS-028	N123	7021
2019-09-26	GS-028	N123	7021
2019-09-16	GS-032	C101R	7035
2019-11-19	GS-032	S231	7021
2019-11-19	GS-032	S231	7021
2019-11-22	White Sands, NM		5810
2018-02-03	GS-013	141	7035
2018-02-03	GS-032	S009	7035
2018-03-20	GS-003	S010A	7021
2018-03-20	GS-003	S010A	7021
2018-03-20	GS-003	S010A	7021
2018-03-20	GS-003	S010A	7021
2018-04-11	GS-032	S091	7035
2018-04-11	GS-003	S025E	7035
2018-04-11	GS-032	S091	7035
2018-04-11	GS-032	W030	7035
2018-04-17	GS-003	S025E	7035
2018-04-11	GS-032	W030	7035
2018-08-21	GS-032	C210H	7035
2018-08-21	RAYTHEON (MD)		7035
2018-07-10	GS-032	S009	5895
2018-07-10	WF-N-162	203	5895
2018-07-09	GS-032	C101R	5895
2018-07-09	GS-032	C101R	5895
2018-07-30	GS-032	C101R	5895
2018-06-26	GS-032	S009	7035
2018-09-07	GS-032	S009	7035
2018-09-07	GS-032	S009	7035
2018-09-07	GS-032	S009	7035
2018-09-07	GS-032	S009	7035
2018-09-07	GS-032	C210H	7025
2018-09-21	GS-032	E125	6625
2018-09-07	GS-013	141	7035
2018-09-07	GS-032	S009	7035
2018-10-15	GS-032	N231	7035
2018-10-16	GS-032	C101R	5895
2018-10-16	GS-032	C210H	5895
2018-10-16	GS-032	C101R	5895
2018-10-16	GS-032	C210H	5895
2018-10-16	GS-032	C101R	5895
2018-10-29	GS-003	S010A	7025
2018-10-29	GS-003	S010A	7025
2019-01-30	GS-032	S009	7035







2020-01-14	GS-028	W169	7021
2020-01-31	GS-003		7730
2020-01-31	GS-003		7730
2020-01-31	GS-032	C101R	5810
2019-01-31	GS-032	C101R	5810
2020-02-14	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-01-30	GS-013	141	7035
2020-03-11	GS-013	190	7025
2017-06-21	GS-001	055	5895
2017-08-25	GS-013	141	7035
2017-08-25	GS-032	C210-H	7035
2017-09-07	GS-032	C210H	5895
2017-09-07	GS-032	C210H	5895
2017-09-07	GS-003	S025E	5895
2017-09-07	GS-032	C210H	5895
2017-09-07	GS-032	N217A	5895
2017-09-07	GS-003	S25E	5895
2017-09-07	GS-003	S025E	5895
2017-09-07	GS-032	C101R	5895
2017-09-07	GS-003	S025E	7025
2017-09-07	GS-003	S025E	7025
2017-09-15	GS-032	C210H	5895
2017-09-15	GS-032	C210-H	5895
2017-09-15	GS-032	C210H	5895
2017-09-15	GS-013	141	5895
2017-09-15	GS-032	C210H	5895
2017-09-15	GS-013	141	5895
2017-09-15	GS-013	141	5895
2017-08-07	GS-032	C210-H	5895
2017-08-07	GS-032	C210H	5895
2017-10-02	GS-032	E221A	7021
2017-10-02	GS-032	N217	7021
2017-10-02	GS-032	W030	7021
2017-10-02	GS-003	S025E	7021
2017-10-25	GS-032	S009	7025
2017-10-25	GS-032	S009F	7025
2017-09-14	GS-032	C101R	5975
2017-09-14	GS-032	C101R	5975
2017-11-21	GS-032	W030	5895



2019-12-06	GS-013	190	5962
2019-12-06	GS-013	190	5962
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-10-10	GS-032	N231	5895
2019-06-05	GS-032	N273	7730
2019-05-10	GS-003	N273D	7025
	GS-032	N273D	7025
	GS-013	190	7025

**ATTACHMENT F**

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

**FEBRUARY 2015**

**RFP NNG16551793R**

**CONTRACT NNG17HP02C**

**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.

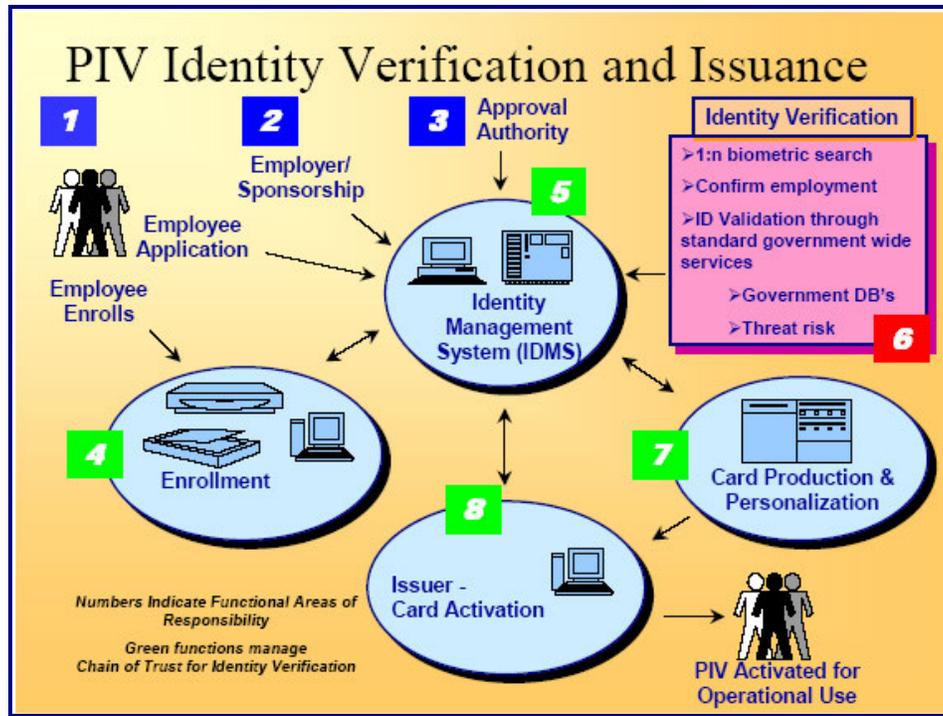


Figure A-1, FIPS 201, Appendix A

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 Representative (COR). 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 COR 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 COR 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 COR/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 COR/host information and instructions on how to access the e-QIP for each contract or foreign national employee requiring access

**Step 2:**

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

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

**Step 3:**

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

**Step 4:**

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

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

rendered, the COR 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 COR/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.

**CONTRACT HISTORICAL DATA**

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, work year equivalents (WYEs), weighted 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.

Based on the written request from the Contracting Officer, the Contractor shall provide all of the following historical data from this contract within 30 days this request:

- (1) All labor resources employed under this contract in the last twelve months, by Contract Labor Category as specified in *Attachment B, Direct Labor Rates, Indirect Rates and Fee Matrices*. For each labor category, provide the number of WYEs or the total labor hours incurred for that position over the preceding 12 months, the current weighted 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

<b>Labor Category</b>	<b>Number of *WYE by Labor Category</b>	<b>**Current Weighted Avg. Unburdened Hourly Rate for this Category</b>	<b>Average Seniority for this Category</b>	<b>Date and Amount of Last Rate Escalation</b>	<b>Identification “Exempt,” “Non-Exempt,” or “Union”</b>
<i>Engineer 4</i>	<i>9</i>	<i>\$18.20</i>	<i>18 months</i>	<i>April 2005 (2.8%)</i>	<i>Exempt</i>

*\*1 WYE equals the total Contractor’s Productive Work Year Hours. Example: Four contractor employees each working 1,000 hours per year, divided by the total Contractor’s Productive Work Year Hours, equals the Contractor’s Number of FTEs.*

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

- (5) Actual non-labor (i.e. other direct costs (ODCs)) expenditures for the prior twelve months, delineated by each of the following cost elements: materials, equipment, travel, supplies, and any other individual recurring ODCs based on an established cost estimating relationships (e.g. computer usage, program management, depreciation, administrative support.);
- (6) Estimate of the number of WYEs, 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);
- (7) Provide the Contractor's Productive Work Year Hours for exempt and non-exempt employees; and
- (8) The information required in (1) through (7) above shall be provided for the prime contractor and all significant subcontractors. Significant subcontractors are those subcontractors that have performed at least "TBD" percent of the cumulative contract effort (in terms of dollars) as of the time of the Contracting Officer's request for this data. A single, consolidated response for the prime contractor and all significant subcontractors is preferred, wherein labor rate data is a total contract average by position (and labor categories where both the prime and subcontractor are providing labor for that position are weighted averages). If such a consolidated response is not feasible due to restrictions over disclosure of company-sensitive cost data between the prime and any subcontractors, then an alternative approach should be discussed with the Contracting Officer at the time of the request for this data.

(End of Attachment)

**ATTACHMENT K**

**INFORMATION TECHNOLOGY (IT) SECURITY  
APPLICABLE DOCUMENTS LIST**

**June 2016**

**RFP NNG16551793R**

**CONTRACT NNG17HP02C**

**Information Technology (IT) Security Applicable Documents List  
June 2016**

<b>NASA Policy Directives (NPD) and NASA Procedural Requirements (NPR)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
NPR 1382.1A	NASA Privacy Procedural Requirements	July 10, 2013
NPD 1382.17H	NASA Privacy Policy	June 24, 2009
NPD 1440.6I	NASA Records Management	September 10, 2014
NPR 1441.1E	NASA Records Management Program Requirements	January 29, 2015
NPD 2540.1H	Personal Use of Government Office Equipment Including Information Technology	February 24, 2016
NPD 2800.1B	Managing Information Technology	March 21, 2008
NPR 2800.1B	Managing Information Technology	March 20, 2009
NPD 2810.1E	NASA Information Security Policy	July 14, 2015
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 2830.1A	NASA Enterprise Architecture Procedures	December 19, 2013
NPR 2841.1	Identity, Credential, and Access Management	January 6, 2011

<b>NASA Interim Directive (NID)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
NM2810-64	NASA Interim Directive: Information Technology Security and Efficiency Requirements	May 22, 2008
NID 7120.99	NASA Information Technology and Institutional Infrastructure Program and Project Management Requirements	December 22, 2011

<b>NASA Interim Technical Requirements (NITR)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
NITR 2800_2	Email Services and Email Forwarding	September 18, 2009
NITR 2800_1	NASA Information Technology Waiver Requirements and Procedures	August 13, 2009

<b>IT Security Handbooks (ITS-HBK)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
ITS-HBK-1382.02-01	Privacy Goals and Objectives	July 27, 2012
ITS-HBK-1382.03-01	Privacy Risk Management and Compliance: PIAs and SORNs	September 25, 2012
ITS-HBK-1382.03-02	Privacy Risk Management and Compliance: Annual Reporting Procedures for Reviewing and Reducing PII and Eliminating the Unnecessary Use of SSN	September 7, 2011
ITS-HBK-1382.04-01	Privacy and Information Security: Overview	August 28, 2012
ITS-HBK-1382.05-01	Privacy Incident Response and Management: Breach Response Team Checklist	September 25, 2012
ITS-HBK-1382.06-01	Privacy Notice and Redress: Web Privacy & Written Notice, Complaints, Access and Redress	September 7, 2012
ITS-HBK-1382.07-01	Privacy Awareness and Training: Overview	September 7, 2014
ITS-HBK-1382.08-01	Privacy Accountability: Overview	August 28, 2012
ITS-HBK-1382.09-01	Privacy Rules of Behavior and Consequences: Overview	September 7, 2012
ITS-HBK-2810.0001-B	Format and Procedures for an IT Security Policies and Handbooks	June 19, 2014

<b>IT Security Handbooks (ITS-HBK)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
NITR 2810.1	NASA Information Technology Security Disclaimer	Sept 30, 2014
ITS-HBK-1441.01.01	Records Retention and Disposition: Overview	Jul 02, 2014
ITS-HBK-1440.01.01	Records Planning & Management: Records	Jul 02, 2014
ITS-HBK-2841.001-A	Identity, Credential, and Access Management Services	Feb 01, 2011
IT-SOP-2841.001-A	Identity and Credential Service Providers Federation Requests	Feb 01, 2011
IT-SOP-2841.002-A	Identity, Credential, and Access Management (ICAM): Service Deviation Requests Management & Records Life Cycle-Overview	Feb 01, 2011
IT-STD-1441.1	NASA Records Retention Schedules	May 07, 2014
ITS-HBK-2810.02-01	Security Assessment and Authorization	May 6, 2011
ITS-HBK-2810.0002-A	Roles and Responsibilities Crosswalk & Definitions	May 2, 2013
ITS-HBK-2810.02-02D	Information System Security Assessment and Authorization Process	February 1, 2015
ITS-HBK-2810.02-04A	Security Assessment and Authorization: Continuous Monitoring – Annual Security Control Assessments	March 18, 2014
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
ITS-HBK-2810.02-08A	Security Assessment and Authorization: Plan of Action and Milestones (POA&M)	December 11, 2013

<b>IT Security Handbooks (ITS-HBK)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
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-2810.04-01A	Risk Assessment: Security Categorization, Risk Assessment, Vulnerability Scanning, Expedited Patching & Organizationally Defined Values	October 12, 2012
ITS-HBK-2810.04-02	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-2810.06a-01	Awareness and Training	May 5, 2011
ITS-HBK-2810.07-01	Configuration Management	May 6, 2011
ITS-HBK-2810.08-01	Contingency Planning	May 06, 2011
ITS-HBK-2810.08-02	Contingency Planning: Guidance and Templates for Plan Development, Maintenance and Test	February 10, 2011
ITS-HBK-2810.09-01A	Incident Response and Management	December 30, 2014
ITS-HBK-2810.09-02	NASA Information Security Incident Management	August 24, 2011
ITS-HBK-2810.09-03	Targeted Collection of Electronic Data	August 24, 2011
ITS-HBK-2810.09-04	Incident Response and Management: Guidelines for Data Spillage & Sanitization Procedures	February 27, 2014
ITS-HBK-2810.10-01	Maintenance	May 6, 2011

<b>IT Security Handbooks (ITS-HBK)</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
ITS-HBK-2810.11-01	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	Access Control	September 4, 2012
ITS-HBK-2810.15-02A	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	Jan 17, 2011
ITS-HBK-2810.18-01	System and Communications Protection	Apr 6, 2011

<b>Standards</b>		
<b>Document</b>	<b>Subject</b>	<b>Effective Date</b>
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
NASA-STD-2804-P	Minimum Interoperability Software Suite	September 22, 2014
NASA-STD-2805-P	Minimum Hardware Configurations	September 22, 2014

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Associate CIO for IT Security, Acting	Center Chief Information Officers & Associate CIO for Enterprise Services	EMET Agent Installation	3/7/2016	3/7/2016
Associate CIO for IT Security, Acting	Chief Information Officers	Recruitment and Retention of a Highly Qualified Federal Workforce	11/05/2015	11/13/2015
Associate CIO for IT Security, Acting	Chief Information Officers	Cyber Hygiene Report Actions	11/05/2015	11/13/2015
Associate CIO for IT Security, Acting	Chief Information Officers & Enterprise Service Executives	Cyber Hygiene Report Actions	10/7/2015	10/7/2015
Associate Chief Information Officer for Capital Planning and Governance	Chief Information Officers	Information Technology Security Division Handbook Expiration Dates	9/17/2015	9/17/2015
Associate IT Security Division Director (Acting)	Chief Information Officers	Window Server 2003 Waiver Process	8/18/2015	8/19/2015
Associate IT Security Division Director (Acting)	Chief Information Officers	FY15 IT Security and Privacy Awareness Training Reminder	8/18/2015	8/19/2015

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Office of the Chief Information Security Officer	Senior Agency Information Security Officer (SASIO)	Request the Cancellation of HBK 2810.03-02 Planning: Information System Security Plan Template, Requirements, Guidance, and Examples	7/27/2015	7/27/2015
(Acting) Senior Agency Information Security Officer	Center/Mission Directorate Chief Information Officer (CIO), Chief Information Security Officers (CISO), and Information System Owners (ISO)	Vulnerabilities in Unsupported or End of Life Software	5/28/2015	5/28/2015
(Acting) Senior Agency Information Security Officer	Distribution	Naming Pattern Memo	5/28/2015	5/28/2015
Office of the Chief Information Officer	(Acting) Senior Agency Information Security Officer	Expired Policy 2810-02.05 Security Assessment and Authorization: External Information Systems	11/19/2014	11/19/2014
Senior Agency Information Security Official (Acting)	Distribution	Interim Guidance for Leveraging Cloud Services While Meeting Information Security Requirements	1/28/2015	1/28/2015
Valerie Burks	Center/Mission Directorate CIOs	Configuration Guidance for Computer Operating Systems	12/17/2012	12/17/2012

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
(Acting) Senior Agency Information Security Officer	Office of the CISO	Extension Verification 2810-02.05	11/19/2014	11/19/2014
NASA CIO and Deputy CIO for IT Security	Distribution	Updated Password Requirements for AA Accounts	7/2/2014	7/2/2014
Chief Information Officer	Distribution	Establishment and Maintenance of Secure Communications	2/28/2014	2/28/2014
Deputy Chief Information Officer for Information Technology Security	Distribution	Implementation of National Institute of Standards and Technology Special Publication 800-53, Revision 4	12/19/2013	12/19/2013
Chief Information Officer	Distribution	Minimum Security Requirements for Personal Mobile Devices	8/27/2013	8/27/2013
Chief Information Officer	Distribution	Additional 90-day extension: Blanket waiver for use of Filevault 2.0 to meet Data at Rest (DAR) Encryption Requirements	5/7/2013	5/7/2013
Office of the Chief Information Officer	Distribution	Delegation of Authorizing Official Designation to Center and Mission Directorate Chief Information Officers	4/2/2013	4/2/2013

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Deputy CIO for Information Security	Distribution	NASA ACES Secure Virtual Team Meeting (SVTM) Approved for Secure Meetings and Communication of SBU Data	2/5/2013	2/5/2013
Chief Information Officer	Distribution	Cancellation of PDM 2012-064 Data At Rest (DAR) Waiver Process and issuance of a new PDM addressing Alternate DAR Encryption Products	1/27/2013	1/27/2013
Deputy CIO for Information Technology Security	Center Mission Directorate Chief Information Officers (CIO)	Configuration Guidance for Computer Operating Systems	12/17/2012	12/17/2012
Associate Deputy Administrator	All NASA Employees	Breach of Personally Identifiable Information (PII) [Laptop DAR/Encryption]	11/13/2012	11/13/2012
Chief Information Officer	All NASA Center CIO's	Rescinding and/or Archiving Information Technology (IT) Security Memoranda	9/20/2012	9/20/2012
Deputy CIO for Information Security	All NASA Center CIOs	FY2012 FISMA Awareness and Training Reporting Metrics	9/12/2012	9/12/2012
OCIO	Distribution	Acceptance of other Federal IT Security Awareness Training to Satisfy NASA's FISMA Requirements	5/25/2012	5/25/2012
Charles F. Bolden, Jr., NASA Administrator	All NASA Employees	Protection of Sensitive Agency Information	4/3/2012	4/3/2012

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Assistant Administrator for Security and Program Protection, Chief Information Officer (Acting)	NASA Center Directors	Identity, Credential, and Access Management Business Process Leads	8/27/2009	8/27/2009
Chief Information Officer (Acting)	Officials-in-Charge of Headquarters, Center CIOs, Mission Directorate CIOs	Security and Support Policy for Smartphones	8/3/2009	8/3/2009
Chief Information Officer (Acting)	Center CIOs	Delegation of Waiver Authority and Responsibility for Vulnerability Scanning Requirements	5/6/2009	5/6/2009
Chief Information Officer (Acting)	Officials-in-Charge of Headquarters Offices, NASA Center Directors	Roles and Responsibilities for Protecting NASA Sensitive But Unclassified (SBU) Information	4/27/2009	4/27/2009
Deputy CIO for IT Security	Center CIOs, Center ITSMs	FY 2009 Scanning and Vulnerability Elimination or Mitigation	2/06/2009	2/06/2009
Chief Information Officer	Officials-in-Charge of Headquarters Offices, NASA Center Directors	Personally Identifiable Information (PII) Incident Reporting	1/14/2009	1/14/2009

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
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
Senior Agency Official for Privacy	Official-in-Charge of Headquarters Offices, NASA Center Directors	Personally Identifiable Information (PII) Responsibilities Statement	9/8/2008	9/8/2008
Chief Information Officer	Center CIOs	Deployment of the Software Refresh Portal	7/30/2008	7/30/2008
Chief Information Officer	NASA CIOs, Mission Directorate CIOs, Center ITSMs, Center Human Resources Directors, IEMP	Requirement to Log and Verify Sensitive Data Extracts	6/9/2008	6/9/2008
Chief Information Officer	NASA CIOs, Mission Directorate CIOs, Center ITSMs, Center ITSMs, Center Human Resources Directors, IEMP	Remote Access to Personally Identifiable Information (PII)	6/9/2008	6/9/2008
Deputy CIO for IT Security	Center ITSMs	Clarification on Requirement for Contractors to Complete NASA Annual IT Security Awareness Training	6/6/2008	6/6/2008

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Deputy CIO for IT Security	Center CIOs, Center ITSMs	System Security Documentation in RMS	2/20/2008	2/20/2008
Chief Information Officer	Center CIOs, Deputy CIOs	Information Discovery	2/4/2008	2/4/2008
Deputy CIO for IT Security	Center CIOs, Center ITSMs	Decision to Cancel Procurement Information Circular (PIC) 04-03 (System Administrator Certification Program)	1/16/2008	1/16/2008
Chief Information Officer	Official-in-Charge of Headquarters Offices, NASA Center Directors	Release of NPD 2200.1A, Management of NASA Scientific and Technical Information	12/18/2007	12/18/2007
Deputy CIO for IT Security	Center CIOs, Mission Directorate CIOs	Agency Security Configuration Standards: Federal Desktop Core Configurations	11/15/2007	11/15/2007
Chief Information Officer	Center Chief Information Officers	Designation of FIPS-199 Impact Level for NASA's OAIT Voice Systems	7/10/2007	7/10/2007
Chief Information Officer	Center Chief Information Officers	Designation of FIPS-199 Impact Level for NASA OAIT Data Center Systems	7/10/2007	7/10/2007
Chief Information Officer	Center Chief Information Officers	Designation of FIPS-199 Impact Level for NASA OAIT LANs	7/10/2007	7/10/2007

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Chief Information Officer (Acting)	Center CIOs, Mission Directorate CIOs	Meeting OMB Memoranda M-06-015 "Safeguarding Personally Identifiable Information;" M-06-016 "Protection of Sensitive Agency Information," and M-06-019 "Reporting Incidents Involving Personally Identifiable Information and Incorporating the Cost for Security in Agency Information Technology Investments"	10/17/2006	10/17/2006
Deputy Administrator	Administrator/Of ficial-in-Charge of Headquarters Offices, NASA Center Directors	Meeting NASA Information Technology Security Requirements	7/26/2006	7/26/2006
Deputy CIO for IT Security	Center CIOs	Designation of FIPS-199 Impact Level for NASA OAIT Desktop Systems	4/16/06	4/16/06
Chief Information Officer, Chief of Strategic Communications	Official-in-Charge of Headquarters Offices, NASA Center Directors, Center CIOs, Mission Directorate CIOs	Policy Governing NASA's Publicly Accessible Web sites	3/16/2006	3/16/2006
Chief Information Officer, Assistant Administrator of Public Affairs	Center CIOs	Update of NASA Web site Linking Policy	12/15/2005	12/15/2005

<b>Memoranda</b>				
<b>From</b>	<b>To</b>	<b>Subject</b>	<b>Effective Date</b>	<b>Posted Date</b>
Chief Information Officer	Center CIOs	Update of NASA Web site Privacy Policy	11/28/2005	11/28/2005

**Reminder: Within 30 days after contract effective date, the Contractor shall develop and deliver an IT Security Management Plan to the Contracting Officer for approval.**

April 1, 2019

*CONTRACT NNG17HP02C*

GROUND SYSTEMS AND MISSION OPERATIONS-2  
(GSMO-2)

ATTACHMENT M

Revision 2

April 1, 2019

*SPACE SCIENCE MISSION OPERATIONS (SSMO)  
PROJECT*

*B. FAYE JOHNSON  
CONTRACTING OFFICER*

**DEPARTMENT OF DEFENSE  
CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

OMB No. 0704-0567  
OMB approval expires:  
October 31, 2020

(The requirements of the National Industrial Security Program (NISP) apply to all security aspects of this effort involving classified information.)

The public reporting burden for this collection of information, 0704-0567, is estimated to average 70 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

**RETURN COMPLETED FORM AS DIRECTED IN THE INSTRUCTIONS.**

**1. CLEARANCE AND SAFEGUARDING**

<p><b>a. LEVEL OF FACILITY SECURITY CLEARANCE (FCL) REQUIRED</b> (See Instructions)</p> <p>Top Secret</p>	<p><b>b. LEVEL OF SAFEGUARDING FOR CLASSIFIED INFORMATION/ MATERIAL REQUIRED AT CONTRACTOR FACILITY</b></p> <p>None (See instructions)</p>
---	--

<p><b>2. THIS SPECIFICATION IS FOR:</b> (X and complete as applicable.)</p> <p><input checked="" type="checkbox"/> <b>a. PRIME CONTRACT NUMBER</b> (See instructions.) NNG17HP02C</p> <p><input type="checkbox"/> <b>b. SUBCONTRACT NUMBER</b></p> <p><input type="checkbox"/> <b>c. SOLICITATION OR OTHER NUMBER</b>    <b>DUE DATE</b> (YYYYMMDD)</p>	<p><b>3. THIS SPECIFICATION IS:</b> (X and complete as applicable.)</p> <p><input type="checkbox"/> <b>a. ORIGINAL</b> (Complete date in all cases.)    <b>DATE</b> (YYYYMMDD) 20170601</p> <p><input checked="" type="checkbox"/> <b>b. REVISED</b> (Supersedes all previous specifications.) <b>REVISION NO.</b>    <b>DATE</b> (YYYYMMDD) 2    20190401</p> <p><input type="checkbox"/> <b>c. FINAL</b> (Complete Item 5 in all cases.)    <b>DATE</b> (YYYYMMDD)</p>
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**4. IS THIS A FOLLOW-ON CONTRACT?**     No     Yes    *If yes, complete the following:*  
**Classified material received or generated under** NNG11VM00C *(Preceding Contract Number)* **is transferred to this follow-on contract.**

**5. IS THIS A FINAL DD FORM 254?**     No     Yes    *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** (Include Commercial and Government Entity (CAGE) Code)

<p><b>a. NAME, ADDRESS, AND ZIP CODE</b> KBRwyle Technology Solutions, LLC 7000 Columbia Gateway Drive Columbia, MD 21046</p>	<p><b>b. CAGE CODE</b>  15151</p>	<p><b>c. COGNIZANT SECURITY OFFICE(S) (CSO)</b> <i>(Name, Address, ZIP Code, Telephone required; Email Address optional)</i> Defense Security Service 7556 Teague Rd, Suite 580 Hanover, MD 21076</p>
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**7. SUBCONTRACTOR(S)** (Click button if you choose to add or list the subcontractors -- but will still require a separate DD Form 254 issued by a prime contractor to each subcontractor)

<p><b>a. NAME, ADDRESS, AND ZIP CODE</b> N/A</p>	<p><b>b. CAGE CODE</b>  N/A</p>	<p><b>c. COGNIZANT SECURITY OFFICE(S) (CSO)</b> <i>(Name, Address, ZIP Code, Telephone required; Email Address optional)</i> N/A</p>
--	---	--

**8. ACTUAL PERFORMANCE** (Click button to add more locations.)

<p><b>a. LOCATION(S)</b> (For actual performance, see instructions.) NASA Goddard Space Flight Center 8800 Greenbelt Rd Greenbelt, MD 20771</p>	<p><b>b. CAGE CODE</b> <i>(If applicable, see Instructions.)</i>  N/A</p>	<p><b>c. COGNIZANT SECURITY OFFICE(S) (CSO)</b> <i>(Name, Address, ZIP Code, Telephone required; Email Address optional)</i> NASA Goddard Space Flight Center 8800 Greenbelt Rd Greenbelt, MD 20771</p>
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**9. GENERAL UNCLASSIFIED DESCRIPTION OF THIS PROCUREMENT**

Ground Systems and Mission Operations-2 (GSMO-2). The purpose of this contract is to acquire engineering services for the NASA Goddard Space Flight Center (GSFC) for ground systems and mission operations support in all phases of a mission life cycle. The scope encompasses concept studies, design, development, integration, test, verification, operations, and sustainment of mission operations systems and subsystems, and operations processes and procedures.

**10. CONTRACTOR WILL REQUIRE ACCESS TO:** (X all that apply. Provide details in Blocks 13 or 14 as set forth in the instructions.)

- |   |   |
|---|---|
| <input type="checkbox"/> a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION  | <input type="checkbox"/> f. SPECIAL ACCESS PROGRAM (SAP) INFORMATION                                |
| <input type="checkbox"/> b. RESTRICTED DATA   | <input type="checkbox"/> g. NORTH ATLANTIC TREATY ORGANIZATION (NATO) INFORMATION                   |
| <input type="checkbox"/> c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION (CNWDI)<br><i>(If CNWDI applies, RESTRICTED DATA must also be marked.)</i> | <input type="checkbox"/> h. FOREIGN GOVERNMENT INFORMATION  |
| <input type="checkbox"/> d. FORMERLY RESTRICTED DATA  | <input type="checkbox"/> i. ALTERNATIVE COMPENSATORY CONTROL MEASURES (ACCM) INFORMATION            |
| <input checked="" type="checkbox"/> e. NATIONAL INTELLIGENCE INFORMATION:   | <input type="checkbox"/> j. CONTROLLED UNCLASSIFIED INFORMATION (CUI)<br><i>(See instructions.)</i> |
| <input checked="" type="checkbox"/> (1) Sensitive Compartmented Information (SCI)   | <input type="checkbox"/> k. OTHER (Specify) <i>(See instructions.)</i>                              |
| <input type="checkbox"/> (2) Non-SCI  |   |

**11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:** (X all that apply. See instructions. Provide details in Blocks 13 or 14 as set forth in the instructions.)

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY<br><i>(Applicable only if there is no access or storage required at contractor facility. See instructions.)</i> | <input type="checkbox"/> g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER   |
| <input type="checkbox"/> b. RECEIVE AND STORE CLASSIFIED DOCUMENTS ONLY   | <input type="checkbox"/> h. REQUIRE A COMSEC ACCOUNT  |
| <input type="checkbox"/> c. RECEIVE, STORE, AND GENERATE CLASSIFIED INFORMATION OR MATERIAL   | <input type="checkbox"/> i. HAVE A TEMPEST REQUIREMENT  |
| <input type="checkbox"/> d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE   | <input type="checkbox"/> j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS   |
| <input checked="" type="checkbox"/> e. PERFORM SERVICES ONLY  | <input type="checkbox"/> k. BE AUTHORIZED TO USE DEFENSE COURIER SERVICE  |
| <input type="checkbox"/> f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES  | <input type="checkbox"/> l. RECEIVE, STORE, OR GENERATE CONTROLLED UNCLASSIFIED INFORMATION (CUI).<br><i>(DoD Components: refer to DoDM 5200.01, Volume 4 only for specific CUI protection requirements. Non-DoD Components: see instructions.)</i> |
|   | <input type="checkbox"/> m. OTHER (Specify) <i>(See instructions.)</i>  |

**12. PUBLIC RELEASE**

Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the National Industrial Security Program Operating Manual (NISPOM) or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for review and approval prior to release to the appropriate government approval authority identified here with at least office and phone contact information and if available, an e-mail address. *(See instructions)*

- DIRECT
- THROUGH *(Specify below)*
- NASA Goddard Space Flight Center, Public Affairs, Code 130, Greenbelt, MD 20771

**Public Release Authority:**

To the Office of Communications National Aeronautics and Space Administration, Washington, DC 20546, for review.

**13. SECURITY GUIDANCE**

The security classification guidance for classified information needed for this 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. The field will expand as text is added. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted. Also allows for up to 6 internal reviewers to digitally sign. See instructions for additional guidance or use of the fillable PDF.)*

The contractor must meet, comply with, and maintain a TOP SECRET facility clearance. In addition, the contractor must comply with the security requirements specified in the National Industrial Security Program Operating Manual, DoD 5220.22-M, dated February 28, 2006, Change 2, dated May 18, 2016, and other NASA center locations security procedures and guidelines. The contractor is not authorized to disclose or release classified information (including to a subcontractor) without prior written authorization from NASA Protective Services.

List of Attachments (All Files Must be Attached Prior to Signing, i.e., for any digital signature on the form)

NAME & TITLE OF REVIEWING OFFICIAL

Melissa Posey, Industrial Security Specialist

SIGNATURE

Melissa Posey  
 Digitally signed by Melissa Posey  
 Date: 2019.04.01 11:05:43 -04'00'

14. ADDITIONAL SECURITY REQUIREMENTS

Requirements, in addition to NISPOM requirements for classified information, are established for this contract.

No  Yes *If Yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the CSO. The field will expand as text is added or you can also use item 13. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted. (See instructions for additional guidance or use of the fillable PDF.)*

As a visitor to NASA GSFC, the contractor will comply with all applicable NASA security issuances, memorandums, policies/procedures and regulations as directed.

NPR 1600.2 NASA Classified National Security Information (CNSI) w/Change 2 (2/12/2014), March 31, 2020

15. INSPECTIONS

Elements of this contract are outside the inspection responsibility of the CSO.

No  Yes *If Yes, explain and identify specific areas and government activity responsible for inspections. The field will expand as text is added or you can also use item 13. When removing any expanded text area, use delete key or backspace key, then click out of the text field for it to shrink after the text has been deleted. (See instructions for additional guidance or use of the fillable PDF.)*

Defense Security Service (DSS) is relieved of all inspection responsibilities for contractor performance on NASA centers. Inspection authority of the contract activities on NASA installations is the responsibility of the NASA security officials and will be coordinated by an Industrial Security Specialist of the NASA Security Office. NASA GSFC Industrial Security office maintains the authority to schedule contractor site visits for contractors approved to store classified NASA information/classified contracts as necessary.

16. GOVERNMENT CONTRACTING ACTIVITY (GCA) AND POINT OF CONTACT (POC)

a. GCA NAME NASA Goddard Space Flight Center	c. ADDRESS (Include ZIP Code) 8800 Greenbelt Road, Code 210 Greenbelt, MD, 20771	d. POC NAME Betty F Johnson
		e. POC TELEPHONE (Include Area Code) +1 (301) 286-4241
b. ACTIVITY ADDRESS CODE (AAC) OF THE CONTRACTING OFFICE (See Instructions) 803249		f. EMAIL ADDRESS (See Instructions) betty.f.johnson@nasa.gov

17. CERTIFICATION AND SIGNATURES

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. Upon digitally signing Item 17h, no changes can be made as the form will be locked.

a. TYPED NAME OF CERTIFYING OFFICIAL (Last, First, Middle Initial) (See Instructions) Posey, Melissa N	d. AAC OF THE CONTRACTING OFFICE (See Instructions) 803249	h. SIGNATURE Melissa Posey Digitally signed by Melissa Posey Date: 2019.04.01 11:06:06 -04'00'
b. TITLE Industrial Security Specialist	e. CAGE CODE OF THE PRIME CONTRACTOR (See Instructions) 15151	
c. ADDRESS (Include ZIP Code) 8800 Greenbelt Road, Code 240 Greenbelt, MD, 20771 melissa.n.posey@nasa.gov	f. TELEPHONE (Include Area Code) +1 (301) 286-0725	i. DATE SIGNED (See Instructions)
	g. EMAIL ADDRESS (See Instructions)	

18. REQUIRED DISTRIBUTION BY THE CERTIFYING OFFICIAL

- a. CONTRACTOR
- b. SUBCONTRACTOR
- c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
- d. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
- e. ADMINISTRATIVE CONTRACTING OFFICER
- f. OTHER AS NECESSARY (If more room is needed, continue in Item 13 or on additional page if necessary.)

### 13. Security Guidance

In performance of this contract, some personnel may require access to classified information up to and including SECRET. The contractor must have a sufficient number of cleared employees assigned duties under this contract to be able to complete all classified work assignments up to and including SECRET.

1. Space Network Security Classification Guide dated January 1, 2010
2. DOD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM) (02/28/06)
3. NPR 1600.1A, NASA Security Program Procedural Requirements (08/12/2013)
4. NPR 1600.2 NASA Classified National Security Information (CNSI) w/Change 2 (2/12/2014)
5. NPR 1600.3 Personnel Security (Change 2, April 29, 2013)
6. NPR 1600.4 Identity and Credential Management (08/1/2012)
7. NPR 1620.2A Facility Security Assessments
8. NPR 1620.3A Physical Security Requirements for NASA Facilities and Property
9. NPR 1660.1B, NASA Counterintelligence (CI)/Counterterrorism (CT), (10/11/2011)
10. NPR 2810.1A, Security of Information Technology, (Revalidated w/Chg 1) (05/09/2011)
11. NPD 1600.2E, NASA Security Policy Revalidated, (04/01/2009)
12. NPD 1660.1B, NASA Counterintelligence (CI) Policy, (11/18/2008)
13. NPD 1600.4 National Security Programs.
14. NPD 1600.2E NASA Security Policy (Revalidated 4/1/2009)
15. NPD 2810.1D NASA Information Security Policy, (05/09/2009)
16. NM 1600-55 Sensitive But Classified (SBU) Controlled Information
17. GPR 1600.1A, Goddard Security Requirements, (02/21/2014)
18. GPR 1600.2 NASA Classified National Security Information (CNSI) (12/11/2013)
19. GPR 1600.3 Protective Service Division Personnel Security (12/12/2013)
20. GPR 1600.4 Identity and Credential Management (12/04/2013)
21. Federal Information Security Management Act of 2002
22. OMB Circular A.130, Appendix III, Security of Federal Automated Information Resources
23. Conjunction Assessment Data Release ability Matrix for the Earth Science Constellation, July 31, 007 (FOUO) US Personnel Only
24. Memorandum of Agreement between the Department of Defense (DoD) and the National Aeronautics and Space Administration (NASA) for Support to NASA Spaceflight Operations, March 15, 2005
25. Security Classification Guide for Space Operation, USSTRATCOM Directorate of Global Operations, July 15, 2006

### 14. Additional Security Requirements

NASA officials will provide additional security, technical, and/or classification guidance. Requests concerning clarification or interpretation regarding security requirements under this contract will be directed to the NASA/GSFC Industrial Security Specialist. The place of performance will be at the contractor cleared facilities, GSFC and other locations where the requirement is covered by the obligations specified in Section C of the basic document.

Any employee, who observes or becomes aware of the deliberate or suspected compromise of classified national security information shall promptly report such information personally to the GSFC Counter Intelligence (CI) Office. If unclassified but sensitive information appears compromised by or on behalf of foreign or domestic powers, organizations or persons, employees shall report such information to the GSFC CI Office. If an employee becomes aware of information pertaining to international or domestic terrorist activities, employees shall also report to the GSFC CI Office. If the information indicates a computer compromise or other cyber intrusion, the Office of Inspector General shall be promptly notified.

## Sensitive Compartmented Information

This contract requires access to Sensitive Compartmented Information (SCI). SCI will only be released to contractor employees requiring access in order to perform within the scope of the contract and only after official verification of the appropriate clearance level has been obtained. Any SCI material furnished to the contract will be returned to the direct custody of the agency having cognizance unless other disposition instructions have been issued.

The names of any additional employees requiring SCI clearance solely for the purpose of this contract will be provided to a designated contract monitor or the Contracting Officer's Representative (COR), who will verify and approve the request. After approval, the name will be provided to the GSFC Security Office (GSO) Program Security Official for coordination with the Contractor Special Security Officer (CSSO). The CSSO shall submit a request for the investigation and clearance in accordance with the National Industrial Security Program Operating Manual and any additional instructions of the User Agency having cognizance.

Need-to-know verification for employees' classified visits to SCI facilities in the performance of this contract shall be obtained by the CSSO from the designated contract monitor, the COTR, or the GSO Program Security Official prior to submission or transmittal..

### **15. Inspections**

The SCIF Certifying Agency has exclusive security responsibility for all SCI material released or developed under this contract and held within the contractor's SCIF. DSS is relieved of security inspection responsibility for all such material but retains responsibility for all non-SCI classified material released to or developed under this contract and held within the contractor's SCIF.

**ATTACHMENT N**

**Wage Determination**

**July 14, 2015**

**RFP NNG16551793R**

**CONTRACT NNG17HP02C**

WD 05-2104 (Rev.-18) was first posted on www.wdol.gov on 07/14/2015

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REGISTER OF WAGE DETERMINATIONS UNDER | U.S. DEPARTMENT OF LABOR  
THE SERVICE CONTRACT ACT | EMPLOYMENT STANDARDS ADMINISTRATION  
By direction of the Secretary of Labor | WAGE AND HOUR DIVISION  
WASHINGTON D.C. 20210

Wage Determination No.: 2005-2104  
Daniel W. Simms Division of | Revision No.: 18  
Director Wage Determinations | Date Of Revision: 07/08/2015

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Service Contract Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

States: District of Columbia, Maryland, Virginia

Area: District of Columbia Statewide  
Maryland Counties of Calvert, Charles, Frederick, Montgomery, Prince George's, St Mary's  
Virginia Counties of Alexandria, Arlington, Fairfax, Falls Church, Fauquier, King George, Loudoun, Prince William, Stafford

\*\*Fringe Benefits Required Follow the Occupational Listing\*\*

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I	15.08	
01012 - Accounting Clerk II	16.92	
01013 - Accounting Clerk III	22.30	
01020 - Administrative Assistant	31.41	
01040 - Court Reporter	21.84	
01051 - Data Entry Operator I	14.38	
01052 - Data Entry Operator II	15.69	
01060 - Dispatcher, Motor Vehicle	17.87	
01070 - Document Preparation Clerk	14.21	
01090 - Duplicating Machine Operator	14.21	
01111 - General Clerk I	14.88	
01112 - General Clerk II	16.24	
01113 - General Clerk III	18.74	
01120 - Housing Referral Assistant	25.29	
01141 - Messenger Courier	13.62	
01191 - Order Clerk I	15.12	
01192 - Order Clerk II	16.50	
01261 - Personnel Assistant (Employment) I		18.15
01262 - Personnel Assistant (Employment) II		20.32

01263 - Personnel Assistant (Employment) III	22.65
01270 - Production Control Clerk	22.03
01280 - Receptionist	14.43
01290 - Rental Clerk	16.55
01300 - Scheduler, Maintenance	18.07
01311 - Secretary I	18.07
01312 - Secretary II	20.18
01313 - Secretary III	25.29
01320 - Service Order Dispatcher	16.98
01410 - Supply Technician	28.55
01420 - Survey Worker	20.03
01531 - Travel Clerk I	13.29
01532 - Travel Clerk II	14.36
01533 - Travel Clerk III	15.49
01611 - Word Processor I	15.63
01612 - Word Processor II	17.67
01613 - Word Processor III	19.95
05000 - Automotive Service Occupations	
05005 - Automobile Body Repairer, Fiberglass	25.26
05010 - Automotive Electrician	23.51
05040 - Automotive Glass Installer	22.15
05070 - Automotive Worker	22.15
05110 - Mobile Equipment Servicer	19.04
05130 - Motor Equipment Metal Mechanic	24.78
05160 - Motor Equipment Metal Worker	22.15
05190 - Motor Vehicle Mechanic	24.78
05220 - Motor Vehicle Mechanic Helper	18.49
05250 - Motor Vehicle Upholstery Worker	21.63
05280 - Motor Vehicle Wrecker	22.15
05310 - Painter, Automotive	23.51
05340 - Radiator Repair Specialist	22.15
05370 - Tire Repairer	14.44
05400 - Transmission Repair Specialist	24.78
07000 - Food Preparation And Service Occupations	
07010 - Baker	13.85
07041 - Cook I	12.55
07042 - Cook II	14.60
07070 - Dishwasher	10.11
07130 - Food Service Worker	10.66
07210 - Meat Cutter	18.08
07260 - Waiter/Waitress	9.70
09000 - Furniture Maintenance And Repair Occupations	
09010 - Electrostatic Spray Painter	19.86
09040 - Furniture Handler	14.06
09080 - Furniture Refinisher	20.23
09090 - Furniture Refinisher Helper	15.52
09110 - Furniture Repairer, Minor	17.94
09130 - Upholsterer	19.86
11000 - General Services And Support Occupations	
11030 - Cleaner, Vehicles	10.54
11060 - Elevator Operator	10.54
11090 - Gardener	17.52
11122 - Housekeeping Aide	11.83
11150 - Janitor	11.83

11210 - Laborer, Grounds Maintenance	13.07
11240 - Maid or Houseman	11.26
11260 - Pruner	11.58
11270 - Tractor Operator	16.04
11330 - Trail Maintenance Worker	13.07
11360 - Window Cleaner	12.85
12000 - Health Occupations	
12010 - Ambulance Driver	20.41
12011 - Breath Alcohol Technician	20.27
12012 - Certified Occupational Therapist Assistant	23.11
12015 - Certified Physical Therapist Assistant	21.43
12020 - Dental Assistant	17.18
12025 - Dental Hygienist	44.75
12030 - EKG Technician	27.67
12035 - Electroneurodiagnostic Technologist	27.67
12040 - Emergency Medical Technician	20.41
12071 - Licensed Practical Nurse I	19.07
12072 - Licensed Practical Nurse II	21.35
12073 - Licensed Practical Nurse III	24.13
12100 - Medical Assistant	15.01
12130 - Medical Laboratory Technician	18.04
12160 - Medical Record Clerk	17.42
12190 - Medical Record Technician	19.50
12195 - Medical Transcriptionist	18.77
12210 - Nuclear Medicine Technologist	37.60
12221 - Nursing Assistant I	10.80
12222 - Nursing Assistant II	12.14
12223 - Nursing Assistant III	13.98
12224 - Nursing Assistant IV	15.69
12235 - Optical Dispenser	20.17
12236 - Optical Technician	15.80
12250 - Pharmacy Technician	18.12
12280 - Phlebotomist	15.69
12305 - Radiologic Technologist	31.11
12311 - Registered Nurse I	27.64
12312 - Registered Nurse II	33.44
12313 - Registered Nurse II, Specialist	33.44
12314 - Registered Nurse III	40.13
12315 - Registered Nurse III, Anesthetist	40.13
12316 - Registered Nurse IV	48.10
12317 - Scheduler (Drug and Alcohol Testing)	21.73
13000 - Information And Arts Occupations	
13011 - Exhibits Specialist I	19.86
13012 - Exhibits Specialist II	24.61
13013 - Exhibits Specialist III	30.09
13041 - Illustrator I	20.48
13042 - Illustrator II	25.38
13043 - Illustrator III	31.03
13047 - Librarian	33.88
13050 - Library Aide/Clerk	14.21
13054 - Library Information Technology Systems Administrator	30.60
13058 - Library Technician	19.89
13061 - Media Specialist I	18.73

13062 - Media Specialist II	20.95
13063 - Media Specialist III	23.36
13071 - Photographer I	16.65
13072 - Photographer II	18.90
13073 - Photographer III	23.67
13074 - Photographer IV	28.65
13075 - Photographer V	33.76
13110 - Video Teleconference Technician	20.39
14000 - Information Technology Occupations	
14041 - Computer Operator I	18.92
14042 - Computer Operator II	21.18
14043 - Computer Operator III	23.60
14044 - Computer Operator IV	26.22
14045 - Computer Operator V	29.05
14071 - Computer Programmer I	(see 1) 26.36
14072 - Computer Programmer II	(see 1)
14073 - Computer Programmer III	(see 1)
14074 - Computer Programmer IV	(see 1)
14101 - Computer Systems Analyst I	(see 1)
14102 - Computer Systems Analyst II	(see 1)
14103 - Computer Systems Analyst III	(see 1)
14150 - Peripheral Equipment Operator	18.92
14160 - Personal Computer Support Technician	26.22
15000 - Instructional Occupations	
15010 - Aircrew Training Devices Instructor (Non-Rated)	36.47
15020 - Aircrew Training Devices Instructor (Rated)	44.06
15030 - Air Crew Training Devices Instructor (Pilot)	52.81
15050 - Computer Based Training Specialist / Instructor	36.47
15060 - Educational Technologist	35.31
15070 - Flight Instructor (Pilot)	52.81
15080 - Graphic Artist	26.80
15090 - Technical Instructor	25.08
15095 - Technical Instructor/Course Developer	30.67
15110 - Test Proctor	20.20
15120 - Tutor	20.20
16000 - Laundry, Dry-Cleaning, Pressing And Related Occupations	
16010 - Assembler	9.88
16030 - Counter Attendant	9.88
16040 - Dry Cleaner	12.94
16070 - Finisher, Flatwork, Machine	9.88
16090 - Presser, Hand	9.88
16110 - Presser, Machine, Drycleaning	9.88
16130 - Presser, Machine, Shirts	9.88
16160 - Presser, Machine, Wearing Apparel, Laundry	9.88
16190 - Sewing Machine Operator	13.78
16220 - Tailor	14.66
16250 - Washer, Machine	10.88
19000 - Machine Tool Operation And Repair Occupations	
19010 - Machine-Tool Operator (Tool Room)	21.14
19040 - Tool And Die Maker	23.38
21000 - Materials Handling And Packing Occupations	
21020 - Forklift Operator	18.02
21030 - Material Coordinator	22.03
21040 - Material Expediter	22.03

21050 - Material Handling Laborer	13.83	
21071 - Order Filler	15.09	
21080 - Production Line Worker (Food Processing)		18.02
21110 - Shipping Packer	15.09	
21130 - Shipping/Receiving Clerk	15.09	
21140 - Store Worker I	11.72	
21150 - Stock Clerk	16.86	
21210 - Tools And Parts Attendant	18.02	
21410 - Warehouse Specialist	18.02	
23000 - Mechanics And Maintenance And Repair Occupations		
23010 - Aerospace Structural Welder	27.21	
23021 - Aircraft Mechanic I	25.83	
23022 - Aircraft Mechanic II	27.21	
23023 - Aircraft Mechanic III	28.53	
23040 - Aircraft Mechanic Helper	17.54	
23050 - Aircraft, Painter	24.73	
23060 - Aircraft Servicer	19.76	
23080 - Aircraft Worker	21.01	
23110 - Appliance Mechanic	21.75	
23120 - Bicycle Repairer	14.43	
23125 - Cable Splicer	26.02	
23130 - Carpenter, Maintenance	21.40	
23140 - Carpet Layer	20.49	
23160 - Electrician, Maintenance	27.98	
23181 - Electronics Technician Maintenance I	24.94	
23182 - Electronics Technician Maintenance II	26.47	
23183 - Electronics Technician Maintenance III	27.89	
23260 - Fabric Worker	19.13	
23290 - Fire Alarm System Mechanic	22.91	
23310 - Fire Extinguisher Repairer	17.62	
23311 - Fuel Distribution System Mechanic	22.81	
23312 - Fuel Distribution System Operator	19.38	
23370 - General Maintenance Worker	21.43	
23380 - Ground Support Equipment Mechanic	25.83	
23381 - Ground Support Equipment Servicer	19.76	
23382 - Ground Support Equipment Worker	21.01	
23391 - Gunsmith I	17.62	
23392 - Gunsmith II	20.49	
23393 - Gunsmith III	22.91	
23410 - Heating, Ventilation And Air-Conditioning Mechanic		23.89
23411 - Heating, Ventilation And Air Contditioning Mechanic (Research Facility)		25.17
23430 - Heavy Equipment Mechanic	22.91	
23440 - Heavy Equipment Operator	22.91	
23460 - Instrument Mechanic	22.59	
23465 - Laboratory/Shelter Mechanic	21.75	
23470 - Laborer	14.98	
23510 - Locksmith	21.90	
23530 - Machinery Maintenance Mechanic		23.12
23550 - Machinist, Maintenance	22.91	
23580 - Maintenance Trades Helper	18.27	
23591 - Metrology Technician I	22.59	
23592 - Metrology Technician II	23.80	

23593 - Metrology Technician III	24.96	
23640 - Millwright	28.19	
23710 - Office Appliance Repairer	22.96	
23760 - Painter, Maintenance	21.75	
23790 - Pipefitter, Maintenance	24.63	
23810 - Plumber, Maintenance	22.29	
23820 - Pneudraulic Systems Mechanic	22.91	
23850 - Rigger	22.91	
23870 - Scale Mechanic	20.49	
23890 - Sheet-Metal Worker, Maintenance	22.91	
23910 - Small Engine Mechanic	20.49	
23931 - Telecommunications Mechanic I	29.95	
23932 - Telecommunications Mechanic II	31.55	
23950 - Telephone Lineman	27.41	
23960 - Welder, Combination, Maintenance	22.91	
23965 - Well Driller	22.91	
23970 - Woodcraft Worker	22.91	
23980 - Woodworker	17.62	
24000 - Personal Needs Occupations		
24570 - Child Care Attendant	12.79	
24580 - Child Care Center Clerk	17.77	
24610 - Chore Aide	10.57	
24620 - Family Readiness And Support Services Coordinator		16.90
24630 - Homemaker	18.43	
25000 - Plant And System Operations Occupations		
25010 - Boiler Tender	27.30	
25040 - Sewage Plant Operator	20.84	
25070 - Stationary Engineer	27.30	
25190 - Ventilation Equipment Tender	19.49	
25210 - Water Treatment Plant Operator	20.84	
27000 - Protective Service Occupations		
27004 - Alarm Monitor	20.57	
27007 - Baggage Inspector	12.71	
27008 - Corrections Officer	22.80	
27010 - Court Security Officer	24.72	
27030 - Detection Dog Handler	20.57	
27040 - Detention Officer	22.80	
27070 - Firefighter	24.63	
27101 - Guard I	12.71	
27102 - Guard II	20.57	
27131 - Police Officer I	26.52	
27132 - Police Officer II	29.67	
28000 - Recreation Occupations		
28041 - Carnival Equipment Operator	13.59	
28042 - Carnival Equipment Repairer	14.63	
28043 - Carnival Equipment Worker	9.24	
28210 - Gate Attendant/Gate Tender	13.01	
28310 - Lifeguard	11.59	
28350 - Park Attendant (Aide)	14.56	
28510 - Recreation Aide/Health Facility Attendant		10.62
28515 - Recreation Specialist	18.04	
28630 - Sports Official	11.59	
28690 - Swimming Pool Operator	18.21	

29000 - Stevedoring/Longshoremen Occupational Services		
29010 - Blocker And Bracer		23.13
29020 - Hatch Tender		23.13
29030 - Line Handler		23.13
29041 - Stevedore I		21.31
29042 - Stevedore II		24.24
30000 - Technical Occupations		
30010 - Air Traffic Control Specialist, Center (HFO) (see 2)		39.92
30011 - Air Traffic Control Specialist, Station (HFO) (see 2)		26.84
30012 - Air Traffic Control Specialist, Terminal (HFO) (see 2)		29.56
30021 - Archeological Technician I		20.19
30022 - Archeological Technician II		22.60
30023 - Archeological Technician III		27.98
30030 - Cartographic Technician		27.98
30040 - Civil Engineering Technician		26.41
30061 - Drafter/CAD Operator I		20.19
30062 - Drafter/CAD Operator II		22.60
30063 - Drafter/CAD Operator III		25.19
30064 - Drafter/CAD Operator IV		31.00
30081 - Engineering Technician I		22.92
30082 - Engineering Technician II		25.72
30083 - Engineering Technician III		28.79
30084 - Engineering Technician IV		35.64
30085 - Engineering Technician V		43.61
30086 - Engineering Technician VI		52.76
30090 - Environmental Technician		27.41
30210 - Laboratory Technician		23.38
30240 - Mathematical Technician		28.94
30361 - Paralegal/Legal Assistant I		21.36
30362 - Paralegal/Legal Assistant II		26.47
30363 - Paralegal/Legal Assistant III		32.36
30364 - Paralegal/Legal Assistant IV		39.16
30390 - Photo-Optics Technician		27.98
30461 - Technical Writer I		21.93
30462 - Technical Writer II		26.84
30463 - Technical Writer III		32.47
30491 - Unexploded Ordnance (UXO) Technician I		24.74
30492 - Unexploded Ordnance (UXO) Technician II		29.93
30493 - Unexploded Ordnance (UXO) Technician III		35.88
30494 - Unexploded (UXO) Safety Escort		24.74
30495 - Unexploded (UXO) Sweep Personnel		24.74
30620 - Weather Observer, Combined Upper Air Or	(see 2)	25.19
Surface Programs		
30621 - Weather Observer, Senior	(see 2)	27.98
31000 - Transportation/Mobile Equipment Operation Occupations		
31020 - Bus Aide		14.32
31030 - Bus Driver		20.85
31043 - Driver Courier		13.98
31260 - Parking and Lot Attendant		10.07
31290 - Shuttle Bus Driver		15.66
31310 - Taxi Driver		13.98
31361 - Truckdriver, Light		15.66
31362 - Truckdriver, Medium		17.90
31363 - Truckdriver, Heavy		19.18

31364 - Truckdriver, Tractor-Trailer	19.18
99000 - Miscellaneous Occupations	
99030 - Cashier	10.03
99050 - Desk Clerk	11.58
99095 - Embalmer	23.05
99251 - Laboratory Animal Caretaker I	11.30
99252 - Laboratory Animal Caretaker II	12.35
99310 - Mortician	31.73
99410 - Pest Controller	17.69
99510 - Photofinishing Worker	13.20
99710 - Recycling Laborer	18.50
99711 - Recycling Specialist	22.71
99730 - Refuse Collector	16.40
99810 - Sales Clerk	12.09
99820 - School Crossing Guard	13.43
99830 - Survey Party Chief	21.94
99831 - Surveying Aide	13.63
99832 - Surveying Technician	20.85
99840 - Vending Machine Attendant	14.43
99841 - Vending Machine Repairer	18.73
99842 - Vending Machine Repairer Helper	14.43

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**ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:**

**HEALTH & WELFARE:** Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, severance pay, and savings and thrift plans. Minimum employer contributions costing an average of \$4.27 per hour computed on the basis of all hours worked by service employees employed on the contract.

**VACATION:** 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years, and 4 weeks after 15 years. Length of service includes the whole span of continuous service with the present contractor or successor, wherever employed, and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

**HOLIDAYS:** A minimum of ten paid holidays per year, New Year's Day, Martin Luther King Jr's Birthday, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans' Day, Thanksgiving Day, and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4174)

**THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:**

1) **COMPUTER EMPLOYEES:** Under the SCA at section 8(b), this wage determination does not apply to any employee who individually qualifies as a bona fide executive, administrative, or professional employee as defined in 29 C.F.R. Part 541. Because

most Computer System Analysts and Computer Programmers who are compensated at a rate not less than \$27.63 (or on a salary or fee basis at a rate not less than \$455 per week) an hour would likely qualify as exempt computer professionals, (29 C.F.R. 541.400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition, because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds \$27.63 per hour conformances may be necessary for certain nonexempt employees. For example, if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate, then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally, because job titles vary widely and change quickly in the computer industry, job titles are not determinative of the application of the computer professional exemption. Therefore, the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:

- (1) The application of systems analysis techniques and procedures, including consulting with users, to determine hardware, software or system functional specifications;
- (2) The design, development, documentation, analysis, creation, testing or modification of computer systems or programs, including prototypes, based on and related to user or system design specifications;
- (3) The design, documentation, testing, creation or modification of computer programs related to machine operating systems; or
- (4) A combination of the aforementioned duties, the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty, you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek, you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

**HAZARDOUS PAY DIFFERENTIAL:** An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance, explosives, and incendiary materials. This includes work such as screening, blending, dying, mixing, and pressing of sensitive ordnance, explosives, and pyrotechnic compositions such as lead azide, black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization, modification, renovation, demolition, and maintenance operations on sensitive ordnance, explosives and incendiary materials. All operations involving regrading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with, or in close proximity to ordnance, (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands, face, or arms of the

employee engaged in the operation, irritation of the skin, minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving, unloading, storage, and hauling of ordnance, explosive, and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance, explosives, and incendiary material differential pay.

**\*\* UNIFORM ALLOWANCE \*\***

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract, by the employer, by the state or local law, etc.), the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition, where uniform cleaning and maintenance is made the responsibility of the employee, all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount, or the furnishing of contrary affirmative proof as to the actual cost), reimburse all employees for such cleaning and maintenance at a rate of \$3.35 per week (or \$.67 cents per day). However, in those instances where the uniforms furnished are made of "wash and wear" materials, may be routinely washed and dried with other personal garments, and do not require any special treatment such as dry cleaning, daily washing, or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract, by the contractor, by law, or by the nature of the work, there is no requirement that employees be reimbursed for uniform maintenance costs.

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations", Fifth Edition, April 2006, unless otherwise indicated. Copies of the Directory are available on the Internet. A links to the Directory may be found on the WHD home page at <http://www.dol.gov/esa/whd/> or through the Wage Determinations On-Line (WDOL) Web site at <http://wdol.gov/>.

**REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE {Standard Form 1444 (SF 1444)}**

**Conformance Process:**

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e., the work to be performed is not performed by any classification listed in the wage determination), be classified by the contractor so as to provide a reasonable relationship (i.e., appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination. Such conformed classes of employees shall be paid the monetary wages and furnished the fringe benefits as are determined. Such conforming process shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees. The conformed classification, wage rate, and/or fringe benefits shall

be retroactive to the commencement date of the contract. {See Section 4.6 (C)(vi)}  
When multiple wage determinations are included in a contract, a separate SF 1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

- 1) When preparing the bid, the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).
- 2) After contract award, the contractor prepares a written report listing in order proposed classification title(s), a Federal grade equivalency (FGE) for each proposed classification(s), job description(s), and rationale for proposed wage rate(s), including information regarding the agreement or disagreement of the authorized representative of the employees involved, or where there is no authorized representative, the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.
- 3) The contracting officer reviews the proposed action and promptly submits a report of the action, together with the agency's recommendations and pertinent information including the position of the contractor and the employees, to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, for review. (See section 4.6(b)(2) of Regulations 29 CFR Part 4).
- 4) Within 30 days of receipt, the Wage and Hour Division approves, modifies, or disapproves the action via transmittal to the agency contracting officer, or notifies the contracting officer that additional time will be required to process the request.
- 5) The contracting officer transmits the Wage and Hour decision to the contractor.
- 6) The contractor informs the affected employees.

Information required by the Regulations must be submitted on SF 1444 or bond paper.

When preparing a conformance request, the "Service Contract Act Directory of Occupations" (the Directory) should be used to compare job definitions to insure that duties requested are not performed by a classification already listed in the wage determination. Remember, it is not the job title, but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split, combine, or subdivide classifications listed in the wage determination.