

CONTRACT NAS1-96014 (Contract)

The following information has been determined to be exempt from disclosure and has been deleted from the contract:

- Section H.2: Names of Key Personnel, page 12;
- Section H.14: Advance Agreement of Indirect Rates, page 17.

The deleted material is exempt from disclosure under 14 C.F.R. 1206.300 (b) (4) which covers trade secrets and commercial or financial information obtained from a person and privileged or confidential. It has been held that commercial or financial matter is "confidential" for purposes of this exemption if its disclosure would be likely to have either of the following effects: (1) impair the Government's ability to obtain necessary information in the future; or (2) cause substantial harm to the competitive position of the person from whom the information was obtained, National Parks and Conservation v. Morton, 498 F2d 765 (D.C. Cir. 1974).

Regarding the names of key personnel withheld from the contract, disclosure of such information, which was submitted to the Government in confidence, would allow potential competitors to benefit from the company's efforts to build up a highly successful management team which possesses unique experience and expertise. Such information is not readily available upon request by a third party.

Disclosure of the financial information could cause substantial competitive harm to the contractor by providing its competitors insight into the company's costing practices and management approaches. Furthermore, disclosure would discourage other companies from participating in future competitive procurements, thereby impairing the Government's ability to obtain complete and accurate cost data, and in turn, frustrating the mandate to obtain maximum competition in negotiated procurements.

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) ▷ RATING		PAGE OF PAGES	
2. CONTRACT NO. (Proc. Inst. Ident.) NO. NAS1-96014		3. EFFECTIVE DATE 7/1/96		DO-A1 1	
5. ISSUED BY: CODE GP		6. ADMINISTERED BY (If other than item 5)		CODE	
National Aeronautics and Space Administration Langley Research Hampton, VA 23681-0001					

7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, county, State and ZIP code)		8. DELIVERY	
Lockheed Martin Engineering & Sciences Company 2339 Route 70 West, SW-3 Cherry Hill, NJ 08358-0001		<input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)	
		9. DISCOUNT FOR PROMPT PAYMENT	
10. SUBMIT INVOICES (4 copies unless other-wise specified) TO THE ADDRESS SHOWN IN:		ITEM ▷ G.2	

11. SHIP TO/MARK FOR CODE		FACILITY CODE		12. PAYMENT WILL BE MADE BY: CODE	
See F.2.				Financial Management Division, M/S 175 NASA, Langley Research Center Hampton, VA 23681-0001	

13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION		14. ACCOUNTING AND APPROPRIATION DATA	
<input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()		See Pages 1.a - 1.b.	

15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QTY	15D. UNIT Est. Cost	15E. UNIT PRICE Award Fee	15F. AMOUNT Total
	Aerospace Research and Technology Services				
		Base	\$ 17,765,083	\$ 1,228,360	\$18,993,443
		1st Option	\$ 13,845,044	\$ 957,148	\$14,802,192
		2nd Option	\$ 9,828,545	\$ 679,374	\$10,507,919
		3rd Option	\$ 6,857,453	\$ 474,049	\$ 7,331,502
		Total	\$ 48,296,125	\$ 3,338,931	\$ 51,635,056
15G. TOTAL AMOUNT OF CONTRACT ▷					\$ 51,635,056

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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. X CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return <u>3</u> copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents (s) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)		18. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.	
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19A. NAME AND TITLE OF SIGNER (Type or print)		20A. NAME OF CONTRACTING OFFICER	
R. Y. Lyons Vice President and General Manager		PANICE H. CLARK	
19B. NAME OF CONTRACTOR	19C. DATE SIGNED	20B. UNITED STATES OF AMERICA	20C. DATE SIGNED
<i>R. Lyons</i> (Signature of person authorized to sign)	15 May 96	BY <i>Panice H. Clark</i> (Signature of Contracting Officer)	6-13-96

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PART I - THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTSB.1 SUPPLIES AND/OR SERVICES TO BE FURNISHED (NASA 18-52.210-72)
(DEC 1988)

The Contractor shall provide all resources (except as may be expressly stated in this contract as provided by the Government) necessary to furnish the required supplies and/or services in accordance with the Description/Specifications/Work Statement in Section C.

B.2 ESTIMATED COST AND AWARD FEE (NASA 18-52.216-85) (SEP 1993)

The estimated cost of this contract is \$17,765,083. The maximum available award fee is \$1,228,360. Total estimated cost and maximum award fee are \$18,993,443.

B.3 AWARD FEE AVAILABILITY SCHEDULE (LaRC 52.216-96) (MAR 1989)

The award fee available for each evaluation period is as follows:

<u>Period</u>	<u>Available Award Fee</u>
July 1, 1996 - December 31, 1996	TBD
January 1, 1997 - June 30, 1997	TBD

NOTE: The award fee available for each evaluation period will be determined based on the task orders performed during that period. If a task order is started and completed during a particular evaluation period, then the award fee for that particular task order will be included in the award fee available for that period only. If a task order is started in a particular evaluation period and extends beyond that period, then the award fee for that particular task will be distributed by the Government (with input from the Contractor) across the appropriate evaluation periods, considering the work to be performed in each impacted period. At the end of each evaluation period, the total available award fee pool will be added to the contract by modification.

B.4 CONTRACT FUNDING (NASA 18-52.232-81) (JUN 1990)

(a) For purposes of payment of cost, exclusive of fee, in accordance with the Limitation of Funds clause, the total amount allotted by the Government to this contract is \$2,331,887. This allotment covers the following estimated period of performance: July 1, 1996 through August 15, 1996.

(b) An additional amount of \$160,900 is obligated under this contract for payment of fee.

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 STATEMENT OF WORK - AEROSPACE RESEARCH AND TECHNOLOGY (ART)

1.0 Purpose

This statement of work defines the requirement for technical support to the NASA Langley Research Center to assist in meeting the objectives of its Aerospace Research and Technology activities. These requirements include, but are not limited to, technical support in the functional areas of Aeronautics and Aerothermodynamics Research, Structures and Materials Research, and Flight Systems.

2.0 Scope

The Contractor shall provide support to the Langley Research Center aerospace research programs and activities. The work to be performed will be defined in Task Orders issued by the Contracting Officer. Some of these tasks will be classified (up to and including Top Secret). The scope and diversity of these Task Orders will encompass the broad scope of the mission and responsibilities of the Langley Research Center's research and technology programs. The general categories of work to be performed under the task orders are outlined below.

3.0 Aeronautics and Aerothermodynamics Research

3.1 Gas Dynamics Research - The Contractor shall provide support to the Gas Dynamics Division in the general areas of aerothermodynamics, hypersonic airbreathing propulsion systems, and wind tunnel operations and system evaluations. The Contractor shall interpret and analyze experimental data and apply and upgrade computational methods and phenomenological models. This support includes timely generation of both surface and volume grids for Computational Fluid Dynamic and Direct Simulation Monte Carlo codes as well as routine maintenance and implementation of upgrades of the actual software as required to ensure state-of-the-art computing capability. Analyses shall determine the flowfield physics about a variety of configurations required to quantify the performance of fully integrated (tip-to-tail) airbreathing propulsion vehicles and aerospace vehicles. The Contractor shall configure and operate facilities such as the jet exhaust simulation facility to perform combustion studies of specific fuel blends for the purpose of analyzing exhaust properties; perform risk assessment of facility systems (new, modified & existing); develop, upgrade, and review all LaRC facility safety documentation and operating procedures for the 8 Ft. High Temperature Tunnel; assess system performance and health; troubleshoot; and design & implement system modifications to improve reliability, operability, and performance.

3.2 Aerodynamics Technology Development - The Contractor shall provide support for the research and development conducted in aerodynamics in the areas of: wind tunnel testing of advanced aircraft concepts and components including rotorcraft; development of advanced wind tunnel testing technology; and applied computational fluid dynamics. Included in the field of wind tunnel testing and testing technology development are: model preparation, test participation, instrumentation selection, development and use of advanced measurement techniques, development of advanced wind tunnel testing techniques, and the implementation of

uncertainty analysis as a standard practice in wind tunnel research. The wind tunnels cover the speed range from low subsonic to hypersonic and include conventional as well as cryogenic facilities. In the area of computational fluid dynamics, support will be required to develop and apply computational codes for studies of aircraft designs, airframe/propulsion integration, and aircraft performance throughout the speed regime from low subsonic to hypersonic. Also included will be the development and application of advanced grid generation concepts.

3.3 Fluid Mechanics and Acoustics Research and Technology Programs - The Contractor shall provide analytical, computational, and experimental support for fluid mechanics and acoustics research and technology programs. The Contractor shall support both focused and basic research and technology development in the areas of aeroacoustics, including instrumentation, data acquisition and analysis, acoustic testing of rotors, jets, and ducted fans in wind tunnels, anechoic chambers, or outdoors; structural acoustics, including prediction and control of noise transmission and structural response, experimental and analytical methods for acoustic liner technology, digital control systems and their implementation to noise and vibration control problems; laminar flow control, including advanced transition prediction and control methods and the effects of surface roughness/steps/gaps and inhomogeneities and attachment line contamination; aerodynamic and acoustic methods, including aerodynamic analyses of complex-geometry configurations using structured and unstructured-grid Euler and Reynolds-averaged Navier-Stokes methodology; multidisciplinary applications involving aerodynamics, structures, and controls; flow modeling and control, including large-eddy simulations of turbulent boundary layers and computations to study the effect of roughness, suction, and admittance on receptivity of three-dimensional boundary layers on swept wings; and measurement science and technology, including image transmit and receiving optics, data acquisition systems, data analysis systems, ground based applications, systems to eliminate directional ambiguity, real-time analysis system, applications to high-speed flow, digital electronics, software algorithms, computer interfacing, computer animation, Monte Carlo simulation, and particle scattering studies. The Contractor shall provide: coding, upgrading, and maintenance of large multipurpose computer programs; test subjects for psychoacoustic testing; operation of psychoacoustic test facilities; support for wind-tunnel experiments; support for flight experiments; modification to analysis codes to perform effectively on distributed workstation and massively parallel computers.

4.0 Structures and Materials Research

4.1 Structures Research and Technology Programs - The Contractor shall provide analytical and experimental support for structures research and technology programs. The Contractor shall support focused and basic research and technology development in the areas of structural mechanics, structural dynamics, aeroelasticity, thermal structures, and computational structures. The Contractor shall support investigations that quantify the response, failure, and structural integrity of composite and metallic aircraft and spacecraft structures; develop innovative modeling methods for predicting composite and metallic component behavior; analyze the response, failure, and structural integrity of composite and metallic structures subjected to complex combined mechanical and thermal loadings; develop new equation solvers, eigenvalue extraction algorithms, and stiffness and mass matrix assembly techniques that enable efficient and rapid solution on

evolving computer systems; and develop efficient structural concepts for future space transportation systems including durable thermal protection systems, reusable cryogenic tanks, and cooled-structure concepts. The Contractor shall support analyses and tests of aeroelastically scaled models; aeroelastic studies of fixed- and rotary-wing vehicles, including performance, the control of aeroelastic instabilities, loads, vibration, flutter, buffet, buzz, gust response, limit cycle oscillations, and adverse structural response; simulations, ground testing, wind-tunnel tests, and flight experiments; development of analytical methods to perform vibration, aeroelastic, and aeroservoelastic studies; analytical and experimental studies to predict, verify, and control the dynamic response of spacecraft structures; and studies to advance the safety and ground-handling performance of aircraft during all-weather takeoff and landing operations.

4.2 Materials Research and Technology Programs - The Contractor shall support research to develop advanced light metallic alloys, polymers and polymeric matrix composites, carbon-carbon composites, and ceramic-based materials. This research includes the development of metal forming and joining technology, polymer matrix composite processing and fabrication technology, adhesive bonding and sealant technology, and carbon-carbon and ceramics processing and coating technology. Materials characterization testing shall be conducted to measure chemical, physical, electrical, optical, and mechanical properties of metals and composites. Experimental studies shall be conducted to characterize the effects of the environment on the long-term durability of materials for aircraft and spacecraft. Mechanics models shall be developed to predict the stiffness, strength, durability, and damage tolerance of composite materials. Fracture mechanics methodologies shall be developed to predict the residual strength and fatigue life of metallic materials. Advanced sensors, electronics, and signal processing technology shall be developed for nondestructive examination systems. Advanced sensor technologies shall be developed for smart materials and structures, and for in-situ process monitoring and quality control.

R&D support tasks shall include operation of a wide variety of equipment used for materials processing, mechanical testing, and materials analysis. The following are examples of typical materials support tasks:

Operation of metals processing laboratory equipment for deposition of experimental alloys by chemical vapor deposition and plasma spraying; testing and analysis of as-deposited and secondarily processed product forms to establish mechanical and physical properties.

Operation of laboratory equipment required for chemical characterization of high performance polymers, adhesives and polymer matrix composites. Typical measurements shall include: Fourier Transform Infrared Spectroscopy, High Pressure Liquid Chromatography, Gel Permeation Chromatography, Low Angle Laser Light Scattering Photometry, Differential Viscometry and Osmometry.

Performance of laboratory tests in support of the fabrication of advanced composite subcomponents. Supporting tasks shall include: tests to establish processing methods, improved methods of subelement fabrication, design of test fixtures and associated apparatus, and operation of test machines to measure mechanical and physical properties.

5.0 Flight Systems

5.1 Flight Dynamics, Guidance and Control Research and Technology -

The Contractor shall develop analytical, mathematical models of aircraft and spacecraft; synthesize and analyze navigation, guidance, and control systems for aircraft and spacecraft; develop efficient and reliable numerical methods and optimization algorithms for use in guidance and control law synthesis; provide data acquisition and reduction support, and analyze data from dynamics, control, and/or crew systems experiments, including simulation and flight tests, some involving extensive meteorological data; coordinate the design and construction of models, conduct static and dynamic (free spin, tumble, forced oscillation) wind tunnel model tests, and analyze the results; use engineering codes and CFD methodologies to predict aircraft flight dynamics and correlate these results with experimental data; develop and maintain computer-based, high-fidelity aircraft and spacecraft batch simulation software; develop and apply software tools for simulation data analysis, including studies with simulated air traffic environments; conduct piloted aircraft simulation studies; develop software modifications for an existing atmospheric modeling CFD code; develop and operate the hardware and software components of electro-optical sensing and processing systems; develop and operate drop model and free-flight model test integrated hardware and software systems, including control law software, appropriate displays, and necessary network communications; configure and operate physiological signal and behavioral data acquisition systems, develop appropriate software tools for analysis of data from such systems, and perform the analysis; synthesize and analyze transport flight deck systems, including displays and underlying algorithms; provide operational airline pilot and air traffic controller expertise to support the planning, development, and conduct of transport aircraft simulation studies in simulated air traffic environments.

5.2 Information and Electromagnetic Systems Technology - The

Contractor shall provide support for research and technology development in selected technical areas in the information systems and electromagnetic systems disciplines. The areas include: the design and development of electronic hardware for information and electromagnetic systems; the design and development of computer codes for the analysis of complex sensor, antenna and digital computer systems; the development of design and assessment methods for life-critical systems; and maintenance and operation of research laboratories. Additional information regarding support for these areas is as follows:

Design and Development of Electronic Hardware - The Contractor shall provide support for sensor technology development and testing, digital circuit and microprocessor designs, mechanical and structural designs, computational models for predicting fluid flow in reduced gravity environments, and optical/fiber-optic system fabrication and evaluation.

Design and Development of Computer Codes - The Contractor shall provide support for design, development, modeling, simulation, and implementation of computer codes for the design and assessment of antenna systems, airport systems, flight crucial digital systems and electromagnetic fields.

Development of Design and Assessment Methods - The Contractor shall develop techniques for the design and assessment of fault-tolerant, life-critical systems for aerospace applications. These techniques may use formal

specifications, automatic theorem proving, hierarchical design methodologies, fault-tolerant systems theory, and reliability theory as well as other available capabilities.

Maintenance and Operation of Research Laboratories - The Contractor shall be responsible for the maintenance and operation of Information and Electromagnetic Technology research facilities including but not limited to: compact range, experimental test range, low frequency antenna chamber, High Intensity Radiation Laboratory test chambers, microgravity crystal growth facility, the crystal vapor deposition facility and the vehicle emulator system.

SECTION D - PACKAGING AND MARKING

D.1 PACKAGING AND MARKING (ALTERNATE I) (NASA 18-52.210-75) (SEP 1990)

(a) The Contractor shall preserve, pack, and mark for shipment all items deliverable under this contract in accordance with good commercial practices and adequate to ensure both acceptance by common carrier and safe transportation at the most economical rate(s).

(b) The Contractor's markings on shipping containers shall be clearly legible from a distance of 36 inches. The Contractor may mark by stencil, rubber stamp, or lacquer over a coated gummed label.

(c) The Contractor shall place the requirements in (a) and (b) above on all subcontracts.

SECTION E - INSPECTION AND ACCEPTANCE

E.1 FINAL INSPECTION AND ACCEPTANCE (LaRC 52.246-94) (OCT 1992)

Final inspection and acceptance of all items specified for delivery under this contract shall be accomplished by the Contracting Officer or his duly authorized representative at destination as specified in task orders.

SECTION F - DELIVERIES OR PERFORMANCE

F.1 PERIOD OF PERFORMANCE (NASA 18-52.212-74) (DEC 1988)

A. The period of performance for issuance of task orders is 12 months from the effective date of this contract, which is the date of signature by the Contracting Officer of NASA Langley Research Center.

B. Any task orders issued prior to the expiration of the period of performance for issuance of task orders shall be completed, subject to the limitations specified in B.2; provided that the Contractor will not be required to perform any work beyond 12 months after the period of performance for issuing task orders. (Notwithstanding this provision, NO work will be performed under this contract, including any options, after September 30, 2000.)

F.2 PLACE OF DELIVERY (LaRC 52.212-92) (OCT 1992)

Delivery shall be f.o.b. destination as specified in task orders.

F.3 PLACE(S) OF PERFORMANCE (LaRC 52.212-98) (OCT 1992)

The place(s) of performance shall be:

NASA, Langley Research Center, Hampton, Virginia; the Contractor's facilities and other sites as may be designated by task orders.

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 DESIGNATION OF NEW TECHNOLOGY REPRESENTATIVE AND PATENT REPRESENTATIVE (NASA 18-52.227-72) (APR 1984)

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

<u>Title</u>	<u>Office Code</u>	<u>Address (including zip code)</u>
New Technology Representative	212	NASA, Langley Research Center Hampton, VA 23681-0001
Patent Representative	212	NASA, Langley Research Center Hampton, VA 23681-0001

(b) Reports of reportable items, and disclosure of subject inventions, interim reports, final reports, utilization reports, and other reports required by the clause, as well as any correspondence with respect to such matters, should be directed to the New Technology Representative unless transmitted in response to correspondence or request from the Patent Representative. Inquiries or requests regarding disposition of rights, election of rights, or related matters should be directed to the Patent Representative. This clause shall be included in any subcontract hereunder requiring a "New Technology" clause or "Patent Rights - Retention by the Contractor (Short Form)" clause, unless otherwise authorized or directed by the Contracting Officer. The respective responsibilities and authorities of the above-named representatives are set forth in 18-27.375-3 of the NASA FAR Supplement.

G.2 SUBMISSION OF VOUCHERS FOR PAYMENT (NASA 18-52.216-87) (DEC 1988)

(a) Public vouchers for payment of costs and fee shall include a reference to this contract NAS1-96014 and be forwarded to:

NASA Langley Research Center
Attn: Financial Management Division, MS 175
Hampton, VA 23681-0001

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

Cost vouchers shall be submitted through

Fee vouchers shall be submitted through

(b) The Contractor shall prepare vouchers as follows:

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

(2) Three copies of SF 1034A, SF 1035A, or equivalent Contractor's attachment.

(3) The Contractor shall mark SF 1034A copies 1, 2, 3 and such other copies as may be directed by the Contracting Officer by insertion in the memorandum block the names and addresses as follows:

- (i) Copy 1 NASA Contracting Officer;
- (ii) Copy 2 Auditor; and
- (iii) Copy 3 Contract administration office.

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

G.3 LIST OF INSTALLATION-PROVIDED PROPERTY AND SERVICES (NASA 18-52.245-77) (MAR 1989)

In accordance with the Installation Provided Government Property (IPGP) clause of this contract, the Contractor is authorized use of the types of property and services listed below, to the extent they are available, while on-site at the NASA installation.

(a) Office space, work area space, and utilities. The Contractor shall use Government telephones for official purposes only.

(b) General- and special-purpose equipment, including office furniture.

(1) Equipment to be made available to the Contractor for use in performance of this contract on-site is listed in Exhibit A. The Government retains accountability for this property under the Installation-Provided Government Property clause, regardless of its authorized location. Installation-Provided Government Property may not be removed from Langley Research Center for any reason.

(2) If the Contractor acquires property as a direct cost under this contract, this property also shall become accountable to the Government upon its entry into the NASA Equipment Management System (NEMS) in accordance with the property-reporting requirements of this contract. The Contractor shall not acquire property as a direct cost under this contract unless expressly authorized in writing by the Contracting Officer.

(3) The Contractor shall advise the Contracting Officer, in writing, before it brings property owned or leased by the Contractor, or other property that the

Contractor is accountable for under any other Government contract, on-site for use on this contract.

- (c) Publications and blank forms stocked by the installation.
- (d) Institutional fire protection necessary to protect NASA facilities.
- (e) Medical treatment of a first-aid nature for Contractor personnel injuries or illnesses sustained during on-site duty.
- (f) Cafeteria privileges for Contractor employees during normal operating hours.
- (g) Moving and hauling of Government property.
- (h) Building maintenance for facilities occupied by Contractor personnel.
- (i) The responsibilities of the Contractor as contemplated by paragraph (a) of the Installation-Provided Government Property clause are defined in the following property management directives and installation supplements to these Directives:
 - (1) NHB 4200.1, NASA Equipment Management Manual.
 - (2) NHB 4200.2, NASA Equipment Management System (NEMS) User's Guide for Property Custodians.
 - (3) NHB 4300.1, NASA Personal Property Disposal Manual.
 - (4) NHB 4100.1, NASA Materials Inventory Management Manual.

G.4 TASK ORDERS

A. As part of the procedures for issuing a task order, the Contractor shall normally submit, within 15 calendar days after receipt of each draft task order, a written Contractor task plan. The Contractor's task plan shall contain the information discussed below, which will be used in preparation of the final task order.

1. Discussion of the technical approach for performing the work.
2. Estimated date of commencement of work and any changes proposed to the schedule of performance.
3. Direct Labor Estimate
4. The travel and material estimates.
5. An estimate for subcontractors and consultants.
6. Estimated computer use time required, if applicable.
7. Other pertinent information, such as indirect costs and inter-divisional transfers.
8. The total estimated cost and fee, where appropriate, for completion of the task order. If a particular task order extends beyond a particular award fee evaluation period then the Contractor shall propose the appropriate

distribution of award fee that is applicable for each period. Appropriate justification shall support the distribution of award fee.

B. The Contracting Officer and the COTR will review the Contractor's task plan. The Contracting Officer will negotiate any necessary changes with the Contractor. Written task orders will be issued solely by the Contracting Officer, and will contain the following information:

1. Task order number and date
2. Description of work and/or deliverable items
3. Total cost limitation
4. Required completion date and/or delivery schedule
5. Appropriate special instructions or information
6. Evaluation metrics for deliverables

C. The Contracting Officer may modify task orders in the same manner they are issued.

D. In the event that there is a conflict between the requirements of the task order and the Contractor's task plan, the task order shall prevail.

E. A copy of each task order shall be furnished to the Contractor. To acknowledge receipt, the Contractor shall sign the "Acknowledgment" enclosed and return it to the Contracting Officer.

F. The final task plan represents the baseline to be used for reporting in Columns 7b and 7d of NASA Form 533M (See Exhibit B, Paragraph I.A).

G.5 TASK ORDER LIMITATIONS

Each task order shall specify a total cost limitation. Notwithstanding the Limitation of Funds clause, the Contractor shall not exceed the authorized cost set forth in each task order. If it becomes necessary to increase the cost limitation, the Contracting Officer will do so in writing via a task order modification.

G.6 CONTRACT CLOSEOUT (LaRC 52.242-90) (JUN 1988)

A. Reassignment--After receipt, inspection, and acceptance by the Government of all required articles and/or services, and resolution of any pending issues raised during the Period of Performance, this contract will be reassigned to the NASA Langley Research Center Contracting Officer for Contract Closeout. All transactions subsequent to the physical completion of the contract should, therefore, be addressed to the said Contracting Officer at NASA Langley Research Center, Mail Stop 126, who may be reached by telephone at (804) 864-7765.

B. "Quick Closeout"--Paragraph (f) of the Allowable Cost and Payment clause of this contract addresses the "Quick Closeout Procedure" delineated by Subpart

42.7 of the Federal Acquisition Regulation (FAR). It should be understood that the said procedure applies to the settlement of indirect costs for a specific contract in advance of the determination of final indirect cost rates when the amount of unsettled indirect cost to be allocated to the contract is relatively insignificant. Therefore, the "Quick Closeout" procedure does not preclude the provisions of paragraph (d) of the Allowable Cost and Payment clause nor does it constitute a waiver of final audit of the Contractor's Completion Voucher.

C. Completion Voucher Submittal--Notwithstanding the provisions of the Allowable Cost and Payment clause, as soon as practicable after settlement of the Contractor's indirect cost rates applicable to performance of the contract, the Contractor shall submit a Completion Voucher as required by the aforesaid clause. The Completion Voucher shall be supported by a cumulative claim and reconciliation statement and executed NASA Forms 778, Contractor's Release, and 780, Contractor's Assignment of Refunds, Rebates, Credits, and Other Amounts. Unless directed otherwise by the Contracting Officer for Contract Closeout, the Contractor shall forward the said Completion Voucher directly to the cognizant Government Agency to which audit functions under the contract have been delegated.

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 **RESERVED**

H.2 KEY PERSONNEL (NASA 18-52.235-71) (MAR 1989)

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

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

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

Contract Manager - [REDACTED]
Deputy Contract Manager (if proposed) - [REDACTED]

H.3 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES (FAR 52.222-42)
(MAY 1989)

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

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION

Employee Class	Monetary Wage
Computer Operator I	\$ 8.34/hr.
Computer Operator II	\$ 9.33/hr.
Programing Assistant	\$10.40/hr.
Technical Illustrator	\$11.56/hr.
Electronic Systems Development Technician I	\$11.56/hr.
Electronic Systems Development Technician II	\$12.80/hr.

FRINGE BENEFITS

- Annual Leave - Receives 13 days paid leave for service up to 3 years; 20 days for 3 to 15 years service; and 26 days for 15 years service or over.
- Sick Leave - Receives 13 days paid leave per year.
- Holidays - Receives 10 paid holidays per year.
- Health Insurance - Government pays up to 60% of health insurance.
- Group Life Insurance - Government pays two-thirds of life insurance rate premiums.
- Retirement - The Government provides three retirement plans identified as the Civil Service Retirement System (CSRS), the Federal Employees Retirement System (FERS), and the CSRS Offset. Under the CSRS, the Government contributes 7% of the employees' base pay towards the retirement benefit and 1.45% towards Medicare. Under the FERS, the Government contributes 11.4% of the employees' base pay towards a basic benefit plan, 6.2% to Social Security, 1.45% towards Medicare, and 1% (plus matching contributions of up to 4% of basic pay, depending on employees' contributions) to a thrift savings plan. Under the CSRS Offset, the Government contributes 0.8% of the employees' base pay towards the retirement benefit, 6.2% to Social Security, and 1.45% towards Medicare.

Part-time Federal employees receive pro rata annual leave, sick leave, holiday leave, health insurance, and group life insurance benefits based on the number of hours worked.

H.4 OPTIONS

Priced Options/Extended Term

The Contractor hereby grants to the Government options to extend the term of the contract for three additional periods of 12 months each, plus one additional period of five months. Such options are to be exercisable by issuance of a unilateral modification. Upon exercise of such option(s) by the Government, the following items will be increased by the amount specified below for each option period.

<u>Item</u>	<u>First Option Period</u>	<u>Second Option Period</u>	<u>Third Option Period</u>
Period of Performance (Ref. F.1)	12 months	12 months	15 months
Estimated Cost (Ref. B.2)	\$ 13,845,044	\$ 9,828,545	\$ 6,857,453
Award Fee* (Ref. B.2)	\$ 957,148	\$ 679,374	\$ 474,049
Award Fee Availability (Ref. B.3)			
7/1/97 - 12/31/97	\$		
1/1/98 - 6/30/98	\$		
7/1/98 - 12/31/98		\$	
1/1/99 - 6/30/99		\$	
7/1/99 - 12/31/99			\$
1/1/00 - 9/30/00			\$
Overtime Premium (Ref. Section I Clause 52.222-2)	\$ 0	\$ 0	\$ 0
Small Disadvantaged Business Goal	\$ 2,621,460	\$ 1,883,203	\$ 1,304,146

H.5 CONTRACTOR EMPLOYEE'S SECURITY CLEARANCE (LaRC 52.204-90)
(OCT 1992)

By virtue of their particular work assignment, certain Contractor employees, may be required to have a security clearance granted in accordance with DOD 5220.22M, "Department of Defense Industrial Security Manual for the Safeguarding of Classified Information (ISM)". Clearances will be issued by the Department of Defense (DOD). Within 10 working days after an employee is identified by the

*The Award Fee available for each evaluation period will be determined in accordance with B.3, Award Fee Availability Schedule.

Government and/or the Contractor as requiring a SECRET or higher clearance, the Contractor shall submit to the Contracting Officer evidence of the submittal of a request for clearance to DOD for such employee. If the clearance for an employee has not been issued by DOD within 120 calendar days of the submittal of the request for clearance to DOD, the Contractor may be required to remove the employee from the contract.

H.6 PROCUREMENT AUTHORITY (201-39.5202-3) (OCT 90 FIRMR)

This acquisition is being conducted under the regulatory delegation of GSA's exclusive procurement authority for FIP resources. The specific GSA DPA case number is not applicable.

H.7 SECURITY PROGRAM/FOREIGN NATIONAL EMPLOYEE INVESTIGATIVE REQUIREMENTS (LaRC 52.204-91) (NOV 1991)

Prior to reporting to Langley Research Center (LaRC) to perform under a contract or grant, each Foreign National shall have approval for access to LaRC facilities from NASA Headquarters, International Relations Division (Code IR). A copy of the access authorization request shall be provided to the LaRC Chief of Security. Additionally, an investigation by the Government shall be completed on each Foreign National contractor prior to reporting to LaRC to perform under a contract or grant. A properly executed "Name Check Request" (NASA Form 531) and a completed "applicant" fingerprint card shall be submitted to the LaRC Security Office, Mail Stop 182, for each Foreign National contractor at least 75 days prior to the estimated entry on duty date. The NF 531 and fingerprint card may be obtained from the LaRC Security Office. If the access approval is obtained from NASA Headquarters prior to completion of the investigation, and the Contracting Officer requires a Foreign National to work on LaRC, an escort request may be considered by the LaRC Chief of Security.

H.8 OBSERVATION OF REGULATIONS AND IDENTIFICATION OF CONTRACTOR'S EMPLOYEES (LaRC 52.212-104) (MAR 1992)

A. Observation of Regulations--In performance of that part of the contract work which may be performed at Langley Research Center or other Government installation, the Contractor shall require its employees to observe the rules and regulations as prescribed by the authorities at Langley Research Center or other installation.

B. Identification Badges--At all times while on LaRC property, the Contractor shall require its employees, subcontractors and agents to wear badges which will be issued by the NASA Contract Badge and Pass Office, located at 1 Langley Boulevard (Building No. 1228). Badges shall be issued only between the hours of 6:30 a.m. and 4:30 p.m., Monday through Friday. Contractors will be held accountable for these badges, and may be required to validate outstanding badges on an annual basis with the NASA LaRC Security Office. Immediately after employee termination or contract completion, badges shall be returned to the NASA Contract Badge and Pass Office.

H.9 INCORPORATION OF REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS BY REFERENCE

Pursuant to FAR 15.406.1(b), the completed Representations, Certifications and Other Statements of Offerors dated 15 May 96 is hereby incorporated by reference.

H.10 VIRGINIA AND LOCAL SALES TAXES (LaRC 52.229-92) (APR 1992)

To perform this contract, the Contractor must be knowledgeable of relevant state and local taxes when making purchases of tangible personal property. The Contractor shall refrain from paying nonapplicable taxes or taxes where an exemption exists, but shall pay applicable taxes that are reimbursable pursuant to FAR 31.205-41, Taxes. Even though title to property purchased under this contract may pass to the Government and the price is reimbursable under contract cost principles, such transactions do not in themselves provide tax immunity to the Contractor. Therefore, within 30 days after the effective date of this contract, the Contractor shall request from the Virginia State Tax Commission a ruling on any tax exemptions that may be applicable to purchases made under this contract. The Contractor shall provide all facts relevant to the situation and shall pursue an interpretation of the law that is most favorable to both the Contractor and the Government.

H.11 EVIDENCE OF INSURANCE

The Contractor shall submit evidence of insurance coverage, required by the NASA Clause 18-52.228-75 in Section I entitled "Minimum Insurance Coverage" (i.e., a Certificate of Insurance or other confirmation), to the Contracting Officer prior to performing under this contract. In the event the Government exercises its options to extend the term of the contract, the Contractor shall also present such evidence to the Contracting Officer prior to commencement of performance under the extension.

H.12 LIMITATION OF FUTURE CONTRACTING (NASA 18-52.209-71) (DEC 1988)

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

(b) The nature of this conflict in the performance of task orders involves: the management of the evaluation of Announcements of Opportunity (AO) process; the evaluation of the Contractor's own products; access to other companies proprietary data; and participation by the Contractor in the development of requirements and specifications for both software and hardware systems.

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

(1) If the Contractor, under the terms of this contract, or through the performance of tasks pursuant to this contract, is required to develop specifications or statements of work that are to be incorporated into a solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime or first-tier subcontractor under an ensuing NASA contract. This restriction shall remain in effect for a reasonable time, as agreed to by the Contracting Officer and the Contractor, sufficient to avoid unfair competitive advantage or potential bias (this time shall in no case be less

than the duration of the initial production contract). NASA shall not unilaterally require the Contractor to prepare such specifications or statements of work under this contract.

(2) To the extent that the work under this contract requires access to proprietary, business confidential, or financial data of other companies, and as long as such data remains proprietary or confidential, the Contractor shall protect these data from unauthorized use and disclosure and agrees not to use them to compete with those other companies.

H.13 PROVIDING FACILITIES TO CONTRACTORS

In accordance with FAR 45.302-1, it is the policy of the Government that Contractors shall furnish all facilities required for performing Government contracts. "Facilities" include real property and plant equipment. Plant equipment includes personal property such as general purpose off-the-shelf equipment, machine tools, test equipment, furniture and vehicles. "Facilities" do not include material, special test equipment, special tooling or agency-peculiar property.

In keeping with the policy set forth in FAR 45.302-1, the Government will not provide "facilities" under this contract for off-site performance.

However, the Government will provide EXISTING facilities as listed in Exhibit A for use on-site at Langley Research Center. If necessary, the Government will replace damaged or obsolete equipment for on-site use only.

H.14 ADVANCE AGREEMENT ON INDIRECT RATE(S) (LaRC 52.231-90) (JUN 1988)

A. Notwithstanding the provisions of the Section I clause entitled "Allowable Cost and Payment," the Contractor will be reimbursed at the indirect ceiling rates specified below or the actual rates, whichever are less, for each of the Contractor's fiscal years applicable to this contract. The Contractor's fiscal year is a calendar year. Any costs that are not reimbursed due to the ceilings shall be deemed unallowable costs. These unallowable costs shall not be recovered under this or any other Government contract.

<u>Indirect Cost Pool</u>	<u>Ceiling Percentage</u>	<u>Allocation Base</u>
General & Administrative Expenses (G&A)	██████████	Cost of Sales

B. The above rate ceilings are predicated upon the bases listed above and the accounting practices and accounting system in effect on 15 May 1996. If the Contractor changes its accounting practices or accounting system in any way, the Contractor will immediately notify the Government. Within 30 days of such change the Contractor shall present to the Contracting Officer information that demonstrates that the change will not impact the allowable cost computed using the above rates or shall submit a proposal for adjustment of the ceilings so that the total costs allowable will not exceed the total costs that would have been allowable had the Contractor not changed its accounting practices or accounting system. In the event that the parties cannot agree on new ceilings using the Contractor's new accounting practices or system and the Contractor does not agree

to return to the previous accounting practices and system, the Contracting Officer may equitably adjust the ceilings.

PART II - CONTRACT CLAUSES

SECTION I - CONTRACT CLAUSES

I.1 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2) (JUN 1988)

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.

I.2 LISTING OF CLAUSES INCORPORATED BY REFERENCE:

NOTICE: The following solicitation provisions and/or contract clauses pertinent to this section are hereby incorporated by reference.

FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1) CLAUSES

<u>CLAUSE NUMBER</u>	<u>TITLE AND DATE</u>
52.202-1	Definitions (OCT 1995)
52.203-3	Gratuities (APR 1984)
52.203-5	Covenant Against Contingent Fees (APR 1984)
52.203-6	Restrictions on Subcontractor Sales to the Government (OCT 1995)
52.203-7	Anti-Kickback Procedures (JUL 1995)
52.203-10	Price or Fee Adjustment for Illegal or Improper Activity (SEP 1990)
52.204-2	Security Requirements (APR 1984)
52.204-4	Printing/Copying Double-Sided on Recycled Paper (MAY 1995)
52.208-8	Helium Requirement Forecast and Required Sources for Helium (FEB 1995)
52.209-6	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (JUL 1995)
52.210-5	New Material (MAY 1995)
52.212-8	Defense Priority and Allocation Requirements (SEP 1990)
52.212-13	Stop-Work Order (AUG 1989) Alternate I (APR 1984)
52.215-2	Audit and Records - Negotiation (OCT 1995)
52.215-23	Price Reduction for Defective Cost or Pricing Data - Modifications (OCT 1995)
52.215-25	Subcontractor Cost or Pricing Data - Modifications (OCT 1995)
52.215-27	Termination of Defined Benefit Pension Plans (SEP 1989)
52.215-33	Order of Precedence (JAN 1986)
52.215-39	Reversion or Adjustment of Plans for Postretirement Benefits Other Than Pensions (FEB 1995)
52.215-40	Notification of Ownership Changes (FEB 1995)
52.216-7	Allowable Cost and Payment (JUL 1991)

52.219-8 Utilization of Small, Small Disadvantaged and Women-Owned
Small Business Concerns (OCT 1995)

52.219-9 Small, Small Disadvantaged and Women-Owned Small Business
Subcontracting Plan (OCT 1995)

52.219-16 Liquidated Damages - Subcontracting Plan (OCT 1995)

52.222-1 Notice to the Government of Labor Disputes (APR 1984)

52.222-3 Convict Labor (APR 1984)

52.222-26 Equal Opportunity (APR 1984)

52.222-28 Equal Opportunity Preaward Clearance of Subcontracts
(APR 1984)

52.222-35 Affirmative Action for Special Disabled and Vietnam Era
Veterans (APR 1984)

52.222-36 Affirmative Action for Handicapped Workers (APR 1984)

52.222-37 Employment Reports on Special Disabled Veterans and
Veterans of the Vietnam Era (JAN 1988)

52.223-2 Clean Air and Water (APR 1984)

52.223-6 Drug-Free Workplace (JUL 1990)

52.223-14 Toxic Chemical Release Reporting (OCT 1995)

52.225-11 Restrictions on Certain Foreign Purchases (MAY 1992)

52.225-19 European Community Sanction for Services (MAY 1995)

52.227-1 Authorization and Consent (JUL 1995)

52.227-2 Notice and Assistance Regarding Patent and Copyright
Infringement (APR 1984)

52.227-11 Patent Rights - Retention by the Contractor (Short Form)
(JUN 1989)--as modified by NASA FAR Supplement
18-52.227-11

52.227-14 Rights in Data - General (JUN 1987) -- as modified by NASA
FAR Supplement 18-52.227-14

52.228-7 Insurance - Liability to Third Persons (APR 1984)

52.230-2 Cost Accounting Standards (AUG 1992)

52.230-5 Administration of Cost Accounting Standards (FEB 1995)

52.232-9 Limitation on Withholding of Payments (APR 1984)

52.232-17 Interest (JAN 1991)

52.232-22 Limitation of Funds (APR 1984)

52.232-23 Assignment of Claims (JAN 1986)

52.232-28 Electronic Funds Transfer Payment Methods (APR 1989)--as
modified by NASA FAR Supplement 18-32.908

52.233-1 Disputes (DEC 1995) Alternate I (DEC 1991)

52.233-3 Protest After Award (DEC 1995) Alternate I (JUN 1985)

52.237-2 Protection of Government Buildings, Equipment and Vegetation
(APR 1984)

52.237-3 Continuity of Services (JAN 1991)

52.237-8 Restriction on Severance Payments to Foreign Nationals
(OCT 1995)

52.242-1 Notice of Intent to Disallow Costs (APR 1984)

52.242-3 Penalties for Unallowable Costs (OCT 1995)

52.243-2 Changes - Cost-Reimbursement (AUG 1987) Alternate I (APR 1984)

52.244-2 Subcontracts (Cost-Reimbursement and Letter Contracts)
(JUL 1995) Alternate I (JUL 1995)

52.244-5 Competition in Subcontracting (APR 1984)

52.245-1 Property Records (APR 1984)

52.245-5 Government Property (Cost-Reimbursement, Time-and-Material,
or Labor-Hour Contracts) (JAN 1986)

52.246-5 Inspection of Services - Cost-Reimbursement (APR 1984)
 52.246-25 Limitation of Liability - Services (JUL 1995)
 52.249-6 Termination (Cost-Reimbursement) (MAY 1986)
 52.249-14 Excusable Delays (APR 1984)
 52.251-1 Government Supply Sources (APR 1984)
 52.253-1 Computer Generated Forms (JAN 1991)

NASA FAR SUPPLEMENT (48 CFR CHAPTER 18) CLAUSES

<u>CLAUSE NUMBER</u>	<u>TITLE AND DATE</u>
18-52.204-77	Submission of Security Plan for Unclassified Federal Computer Systems (Sep 1993)
18-52.208-81	Restrictions on Printing and Duplicating (AUG 1993)
18-52.212-70	Notice of Delay (DEC 1988)
18-52.215-84	Ombudsman (OCT 1995)
18-52.216-89	Allowable Cost and Payment (APR 1994)
18-52.219-74	Use of Rural Area Small Businesses (SEP 1990)
18-52.219-75	Small Business and Small Disadvantaged Business Subcontracting Reporting (OCT 1995)
18-52.219-76	NASA Small Disadvantaged Business Goal (JUL 1991)
18-52.219-77	NASA Mentor-Protege Program (JAN 1994)
18-52.223-70	Safety and Health (SEP 1993)
18-52.227-70	New Technology (APR 1988)
18-52.228-75	Minimum Insurance Coverage (OCT 1988)
18-52.237-70	Emergency Evacuation Procedures (DEC 1988)
18-52.242-70	Technical Direction (SEP 1993)
18-52.242-71	Travel Outside of the United States (DEC 1988)
18-52.242-72	Observance of Legal Holidays (AUG 1992) Alternate II (SEP 1989)
18-52.242-73	NASA Contractor Financial Management Reporting (APR 1994)
18-52.245-70	Acquisition of Centrally Reportable Equipment (MAR 1989)
18-52.245-71	Installation-Provided Government Property (MAR 1989)
18-52.245-73	Financial Reporting of Government-Owned/Contractor-Held Property (JUL 1994)

I.3 CLAUSES IN FULL TEXT

The clauses listed below follow in full text:

52.203-9 Requirement for Certificate of Procurement Integrity - Modification (SEP 1995)
 52.203-12 Limitation on Payments to Influence Certain Federal Transactions (JAN 1990)
 52.215-41 Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data (OCT 1995) Alternate IV (OCT 1995)
 52.222-2 Payment for Overtime Premiums (JUL 1990)
 52.222-4 Contract Work Hours and Safety Standards Act - Overtime Compensation (JUL 1995)

52.222-41 Service Contract Act of 1965, as Amended (MAY 1989)
 52.232-25 Prompt Payment (MAR 1994)
 52.242-4 Certification of Indirect Costs (OCT 1995)
 52.242-13 Bankruptcy (JUL 1995)
 52.244-6 Subcontracts for Commercial Items and Commercial
 Components (OCT 1995)
 52.252-6 Authorized Deviations in Clauses (APR 1984)
 18-52.204-75 Security Classification Requirements (SEP 1989)
 18-52.204-78 Security Plan for Unclassified Federal Computer Systems
 (SEP 1993)
 18-52.216-76 Award Fee for Service Contracts (SEP 1993)

I.4 REQUIREMENT FOR CERTIFICATE OF PROCUREMENT INTEGRITY--MODIFICATION
 (FAR 52.203-9) (SEP 1995)

- (a) Definitions. The definitions set forth in FAR 3.104-4 are hereby incorporated in this clause.
 (b) The Contractor agrees that it will execute the certification set forth in paragraph (c) of this clause when requested by the contracting officer in connection with the execution of any modification of this contract.
 (c) Certification. As required in paragraph (b) of this clause, the officer or employee responsible for the modification proposal shall execute the following certification. The certification in paragraph (c)(2) of this clause is not required for a modification which procures commercial items.

CERTIFICATE OF PROCUREMENT INTEGRITY--MODIFICATION (SEP 1995)

(1) I, _____,
 [Name of certifier]

am the officer or employee responsible for the preparation of this modification proposal and hereby certify that, to the best of my knowledge and belief, with the exception of any information described in this certification, I have no information concerning a violation or possible violation of subsections 27(a), (b), (d), or (f) of the Office of Federal Procurement Policy Act, as amended* (41 U.S.C. 423), (hereinafter referred to as "the Act"), as implemented in the FAR, occurring during the conduct of this procurement

(contract and modification number).

(2) As required by subsection 27(e)(1)(B) of the Act, I further certify that, to the best of my knowledge and belief, each officer, employee, agent, representative, and consultant of _____

[Name of Offeror]

who has participated personally and substantially in the preparation or submission of this proposal has certified that he or she is familiar with, and will comply with, the requirements of subsection 27(a) of the Act, as implemented in the FAR, and will report immediately to me any information concerning a violation or possible violation of subsections 27(a), (b), (d), or (f) of the Act, as implemented in the FAR, pertaining to this procurement.

(3) Violations or possible violations: (Continue on plain bond paper if necessary and label Certificate of Procurement Integrity--Modification (Continuation Sheet), ENTER NONE IF NONE EXIST) _____

[Signature of the officer or employee responsible for the modification proposal and date]

[Typed name of the officer or employee responsible for the modification proposal]

*Subsections 27(a), (b), and (d) are effective on December 1, 1990.
Subsection 27(f) is effective on June 1, 1991.

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER TITLE 18, UNITED STATES CODE, SECTION 1001.

(End of certification)

(d) In making the certification in paragraph (2) of the certificate, the officer or employee of the competing Contractor responsible for the offer or bid, may rely upon a one-time certification from each individual required to submit a certification to the competing Contractor, supplemented by periodic training. These certifications shall be obtained at the earliest possible date after an individual required to certify begins employment or association with the Contractor. If a Contractor decides to rely on a certification executed prior to suspension of Section 27 (i.e., prior to December 1, 1989), the Contractor shall ensure that an individual who has so certified is notified that Section 27 has been reinstated. These certifications shall be maintained by the Contractor for a period of 6 years from the date a certifying employee's employment with the company ends or, for an agency, representative, or consultant, 6 years from the date such individual ceases to act on behalf of the Contractor.

(e) The certification required by paragraph (c) of this clause is a material representation of fact upon which reliance will be placed in executing this modification.

I.5 LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (FAR 52.203-12) (JAN 1990)

(a) Definitions.

"Agency," as used in this clause, means executive agency as defined in 2.101.

"Covered Federal action," as used in this clause, means any of the following Federal actions:

- (1) The awarding of any Federal contract.
- (2) The making of any Federal grant.
- (3) The making of any Federal loan.
- (4) The entering into of any cooperative agreement.
- (5) The extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

"Indian tribe" and "tribal organization," as used in this clause, have the meaning provided in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) and include Alaskan Natives.

"Influencing or attempting to influence," as used in this clause, means making, with the intent to influence, any communication to or appearance before an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered Federal action.

"Local government," as used in this clause, means a unit of government in a State and, if chartered, established, or otherwise recognized by a State for the performance of a governmental duty, including a local public authority, a special district, an intrastate district, a council of governments, a sponsor group representative organization, and any other instrumentality of a local government.

"Officer or employee of an agency," as used in this clause, includes the following individuals who are employed by an agency:

(1) An individual who is appointed to a position in the Government under title 5, United States Code, including a position under a temporary appointment.

(2) A member of the uniformed services, as defined in subsection 101(3), title 37, United States Code.

(3) A special Government employee, as defined in section 202, title 18, United States Code.

(4) An individual who is a member of a Federal advisory committee, as defined by the Federal Advisory Committee Act, title 5, United States Code appendix 2.

"Person," as used in this clause, means an individual, corporation, company, association, authority, firm, partnership, society, State, and local government, regardless of whether such entity is operated for profit, or not for profit. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Reasonable compensation," as used in this clause, means, with respect to a regularly employed officer or employee of any person, compensation that is consistent with the normal compensation for such officer or employee for work that is not furnished to, not funded by, or not furnished in cooperation with the Federal Government.

"Reasonable payment," as used in this clause, means, with respect to professional and other technical services, a payment in an amount that is consistent with the amount normally paid for such services in the private sector.

"Recipient," as used in this clause, includes the Contractor and all subcontractors. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Regularly employed," as used in this clause, means, with respect to an officer or employee of a person requesting or receiving a Federal contract, an officer or employee who is employed by such person for at least 130 working days within one year immediately preceding the date of the submission that initiates agency consideration of such person for receipt of such contract. An officer or employee who is employed by such person for less than 130 working days within one year immediately preceding the date of the submission that initiates agency consideration of such person shall be considered to be regularly employed as soon as he or she is employed by such person for 130 working days.

"State," as used in this clause, means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, a territory or possession

of the United States, an agency or instrumentality of a State, and multi-State, regional, or interstate entity having governmental duties and powers.

(b) Prohibitions.

(1) Section 1352 of title 31, United States Code, among other things, prohibits a recipient of a Federal contract, grant, loan, or cooperative agreement from using appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement; or the modification of any Federal contract, grant, loan, or cooperative agreement.

(2) The Act also requires Contractors to furnish a disclosure if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

(3) The prohibitions of the Act do not apply under the following conditions:

(i) Agency and legislative liaison by own employees.

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of a payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action if the payment is for agency and legislative liaison activities not directly related to a covered Federal action.

(B) For purposes of subdivision (b)(3)(i)(A) of this clause, providing any information specifically requested by an agency or Congress is permitted at any time.

(C) The following agency and legislative liaison activities are permitted at any time where they are not related to a specific solicitation for any covered Federal action:

(1) Discussing with an agency the qualities and characteristics (including individual demonstrations) of the person's products or services, conditions or terms of sale, and service capabilities.

(2) Technical discussions and other activities regarding the application or adaptation of the person's products or services for an agency's use.

(D) The following agency and legislative liaison activities are permitted where they are prior to formal solicitation of any covered Federal action -

(1) Providing any information not specifically requested but necessary for an agency to make an informed decision about initiation of a covered Federal action;

(2) Technical discussions regarding the preparation of an unsolicited proposal prior to its official submission; and

(3) Capability presentations by persons seeking awards from an agency pursuant to the provisions of the Small Business Act, as amended by Pub. L. 95-507, and subsequent amendments.

(E) Only those services expressly authorized by subdivision (b)(3)(i)(A) of this clause are permitted under this clause.

(ii) Professional and technical services.

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of -

(1) A payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action, if payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action.

(2) Any reasonable payment to a person, other than an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action if the payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action. Persons other than officers or employees of a person requesting or receiving a covered Federal action include consultants and trade associations.

(B) For purposes of subdivision (b)(3)(ii)(A) of this clause, "professional and technical services" shall be limited to advice and analysis directly applying any professional or technical discipline. For example, drafting of a legal document accompanying a bid or proposal by a lawyer is allowable. Similarly, technical advice provided by an engineer on the performance or operational capability of a piece of equipment rendered directly in the negotiation of a contract is allowable. However, communications with the intent to influence made by a professional (such as a licensed lawyer) or a technical person (such as a licensed accountant) are not allowable under this section unless they provide advice and analysis directly applying their professional or technical expertise and unless the advice or analysis is rendered directly and solely in the preparation, submission or negotiation of a covered Federal action. Thus, for example, communications with the intent to influence made by a lawyer that do not provide legal advice or analysis directly and solely related to the legal aspects of his or her client's proposal, but generally advocate one proposal over another are not allowable under this section because the lawyer is not providing professional legal services. Similarly, communications with the intent to influence made by an engineer providing an engineering analysis prior to the preparation or submission of a bid or proposal are not allowable under this section since the engineer is providing technical services but not directly in the preparation, submission or negotiation of a covered Federal action.

(C) Requirements imposed by or pursuant to law as a condition for receiving a covered Federal award include those required by law or regulation and any other requirements in the actual award documents.

(D) Only those services expressly authorized by subdivisions (b)(3)(ii)(A)(1) and (2) of this clause are permitted under this clause.

(E) The reporting requirements of FAR 3.803(a) shall not apply with respect to payments of reasonable compensation made to regularly employed officers or employees of a person.

(iii) Disclosure.

(A) The Contractor who requests or receives from an agency a Federal contract shall file with that agency a disclosure form, OMB standard form LLL, Disclosure of Lobbying Activities, if such person has made or has agreed to make any payment using nonappropriated funds (to include profits from any covered

(ii) Catalog price information as follows:

(A) Attach a copy of or identify the catalog and its date, or the appropriate pages for the offered items, or a statement that the catalog is on file in the buying office to which this proposal is being made.

(B) Provide a copy or describe current discount policies and price lists (published or unpublished), e.g., wholesale, original equipment manufacturer, and reseller.

(C) Additionally, for each catalog item that exceeds _____ (extended value not unit price), provide evidence of substantial sales to the general public. This may include sales order, contract, shipment, invoice, actual recorded sales or other records that are verifiable. In addition, if the basis of the price proposal is sales of essentially the same commercial item by affiliates, other manufacturers or vendors, those sales may be included. The offeror shall explain the basis of each offered price and its relationship to the established catalog price. When substantial general public sales have also been made at prices other than catalog or price list prices, the offeror shall indicate how the proposed price relates to the price of such recent sales in quantities similar to the proposed quantities.

(iii) Market price information. Include the source and date or period of the market quotation or other basis for market price, the base amount, and applicable discounts. The nature of the market should be described. The supply or service being purchased should be the same as or similar to the market price supply or service. Data supporting substantial sales to the general public is also required.

(iv) Identification of the law or regulation establishing the price offered. If the price is controlled under law by periodic rulings, reviews, or similar actions of a Governmental body, attach a copy of the controlling document, unless it was previously submitted to the contracting office.

(v) For a commercial item exception, information on prices at which the same item or similar items have been sold in the commercial market.

(2) The offeror grants the Contracting Officer or an authorized representative the right to examine, at any time before award, books, records, documents, or other directly pertinent records to verify any request for an exception under this provision, and the reasonableness of price. Access does not extend to cost or profit information or other data relevant solely to the offeror's determination of the prices to be offered in the catalog or marketplace.

(b) Requirements for cost or pricing data. If the offeror is not granted an exception from the requirement to submit cost or pricing data, the following applies:

(1) The offeror shall submit cost or pricing data on Standard Form (SF) 1411, Contract Pricing Proposal Cover Sheet (Cost or Pricing Data Required), with supporting attachments prepared in accordance with Table 15-2 of FAR 15.804-6(b)(2).

(2) As soon as practicable after agreement on price, but before contract award (except for unpriced actions such as letter contracts), the offeror shall submit a Certificate of Current Cost or Pricing Data, as prescribed by FAR 15.804-4.

(c) By submitting information to qualify for an exception, an offeror is not representing that this is the only exception that may apply.

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

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

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

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

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

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

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

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

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

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

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

I.8 CONTRACT WORK HOURS AND SAFETY STANDARDS ACT - OVERTIME COMPENSATION
(FAR 52.222-4) (JUL 1995)

(a) Overtime requirements. No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics (see Federal Acquisition Regulation (FAR) 22.300) shall require or permit any such laborers or mechanics in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than 1 1/2 times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(b) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions set forth in paragraph (a) of this clause, the Contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of the provisions set forth in paragraph (a) of this clause in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in paragraph (a) of this clause.

(c) Withholding for unpaid wages and liquidated damages. The Contracting Officer shall upon his or her own action or upon written request of an authorized

representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same Prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same Prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions set forth in paragraph (b) of this clause.

(d) Payrolls and basic records. (1) The Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of contract work and shall preserve them for a period of 3 years from the completion of the contract for all laborers and mechanics working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Nothing in this paragraph shall require the duplication of records required to be maintained for construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Davis-Bacon Act.

(2) The records to be maintained under paragraph (d)(1) of this clause shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Contracting Officer or the Department of Labor. The Contractor or subcontractor shall permit such representatives to interview employees during working hours on the job.

(e) Subcontracts. The Contractor or subcontractor shall insert in any subcontracts, exceeding \$100,000, the provisions set forth in paragraphs (a) through (e) of this clause and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The Prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the provisions set forth in paragraphs (a) through (e) of this clause.

I.9 SERVICE CONTRACT ACT OF 1965, AS AMENDED (FAR 52.222-41) (MAY 1989)

(a) **Definitions.** "Act," as used in this clause, means the Service Contract Act of 1965, as amended (41 U.S.C. 351, et seq.).

"Contractor," as used in this clause or in any subcontract, shall be deemed to refer to the subcontractor, except in the term "Government Prime Contractor."

"Service employee," as used in this clause, means any person engaged in the performance of this contract other than any person employed in a bona fide executive, administrative, or professional capacity, as these terms are defined in Part 541 of Title 29, Code of Federal Regulations, as revised. It includes all such persons regardless of any contractual relationship that may be alleged to exist between a Contractor or subcontractor and such persons.

(b) **Applicability.** This contract is subject to the following provisions and to all other applicable provisions of the Act and regulations of the Secretary of Labor (29 CFR Part 4). This clause does not apply to contracts or subcontracts administratively exempted by the Secretary of Labor or exempted by 41 U.S.C. 356, as interpreted in Subpart C of 29 CFR Part 4.

(c) **Compensation.**

(1) Each service employee employed in the performance of this contract by the Contractor or any subcontractor shall be paid not less than the minimum monetary wages and shall be furnished fringe benefits in accordance with the wages

and fringe benefits determined by the Secretary of Labor, or authorized representative, as specified in any wage determination attached to this contract.

(2) (i) If a wage determination is attached to this contract, the Contractor shall classify any class of service employee which is not listed therein and which is to be employed under this contract (i.e., the work to be performed is not performed by any classification listed in the wage determination) 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 class of employees shall be paid the monetary wages and furnished the fringe benefits as are determined pursuant to the procedures in this paragraph (c).

(ii) This conforming procedure shall be initiated by the Contractor prior to the performance of contract work by the unlisted class of employee. The Contractor shall submit Standard Form (SF) 1444, Request For Authorization of Additional Classification and Rate, to the Contracting Officer no later than 30 days after the unlisted class of employee performs any contract work. The Contracting Officer shall review the proposed classification and rate and promptly submit the completed SF 1444 (which must include information regarding the agreement or disagreement of the employees' authorized representatives or the employees themselves together with the agency recommendation), and all pertinent information to the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor. The Wage and Hour Division will approve, modify, or disapprove the action or render a final determination in the event of disagreement within 30 days of receipt or will notify the Contracting Officer within 30 days of receipt that additional time is necessary.

(iii) The final determination of the conformance action by the Wage and Hour Division shall be transmitted to the Contracting Officer who shall promptly notify the Contractor of the action taken. Each affected employee shall be furnished by the Contractor with a written copy of such determination or it shall be posted as a part of the wage determination.

(iv) (A) The process of establishing wage and fringe benefit rates that bear a reasonable relationship to those listed in a wage determination cannot be reduced to any single formula. The approach used may vary from wage determination to wage determination depending on the circumstances. Standard wage and salary administration practices which rank various job classifications by pay grade pursuant to point schemes or other job factors may, for example, be relied upon. Guidance may also be obtained from the way different jobs are rated under Federal pay systems (Federal Wage Board Pay System and the General Schedule) or from other wage determinations issued in the same locality. Basic to the establishment of any conformable wage rate(s) is the concept that a pay relationship should be maintained between job classifications based on the skill required and the duties performed.

(B) In the case of a contract modification, an exercise of an option, or extension of an existing contract, or in any other case where a Contractor succeeds a contract under which the classification in question was previously conformed pursuant to paragraph (c) of this clause, a new conformed wage rate and fringe benefits may be assigned to the conformed classification by indexing (i.e., adjusting) the previous conformed rate and fringe benefits by an amount equal to the average (mean) percentage increase (or decrease; where appropriate) between the wages and fringe benefits specified for all classifications to be used on the contract which are listed in the current wage determination, and those specified for the corresponding classifications in the

previously applicable wage determination. Where conforming actions are accomplished in accordance with this paragraph prior to the performance of contract work by the unlisted class of employees, the Contractor shall advise the Contracting Officer of the action taken but the other procedures in subdivision (c)(ii) of this clause need not be followed.

(C) No employee engaged in performing work on this contract shall in any event be paid less than the currently applicable minimum wage specified under section 6(a)(1) of the Fair Labor Standards Act of 1938, as amended.

(v) The wage rate and fringe benefits finally determined under this subparagraph (c)(2) of this clause shall be paid to all employees performing in the classification from the first day on which contract work is performed by them in the classification. Failure to pay the unlisted employees the compensation agreed upon by the interested parties and/or finally determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract.

(vi) Upon discovery of failure to comply with subparagraph (c)(2) of this clause, the Wage and Hour Division shall make a final determination of conformed classification, wage rate, and/or fringe benefits which shall be retroactive to the date such class or classes of employees commenced contract work.

(3) **Adjustment of Compensation.** If the term of this contract is more than 1 year, the minimum monetary wages and fringe benefits required to be paid or furnished thereunder to service employees under this contract shall be subject to adjustment after 1 year and not less often than once every 2 years, under wage determinations issued by the Wage and Hour Division.

(d) **Obligation to Furnish Fringe Benefits.** The Contractor or subcontractor may discharge the obligation to furnish fringe benefits specified in the attachment or determined under subparagraph (c)(2) of this clause by furnishing equivalent combinations of bona fide fringe benefits, or by making equivalent or differential cash payments, only in accordance with Subpart D of 29 CFR Part 4.

(e) **Minimum Wage.** In the absence of a minimum wage attachment for this contract, neither the Contractor nor any subcontractor under this contract shall pay any person performing work under this contract (regardless of whether the person is a service employee) less than the minimum wage specified by section 6(a)(1) of the Fair Labor Standards Act of 1938. Nothing in this clause shall relieve the Contractor or any subcontractor of any other obligation under law or contract for the payment of a higher wage to any employee.

(f) **Successor Contracts.** If this contract succeeds a contract subject to the Act under which substantially the same services were furnished in the same locality and service employees were paid wages and fringe benefits provided for in a collective bargaining agreement, in the absence of the minimum wage attachment for this contract setting forth such collectively bargained wage rates and fringe benefits, neither the Contractor nor any subcontractor under this contract shall pay any service employee performing any of the contract work (regardless of whether or not such employee was employed under the predecessor contract), less than the wages and fringe benefits provided for in such collective bargaining agreement, to which such employee would have been entitled if employed under the predecessor contract, including accrued wages and fringe benefits and any prospective increases in wages and fringe benefits provided for under such agreement. No Contractor or subcontractor under this contract may be relieved of the foregoing obligation unless the limitations of 29 CFR 4.1b(b) apply or unless the Secretary of Labor or the Secretary's authorized representative finds, after a

hearing as provided in 29 CFR 4.10 that the wages and/or fringe benefits provided for in such agreement are substantially at variance with those which prevail for services of a character similar in the locality, or determines, as provided in 29 CFR 4.11, that the collective bargaining agreement applicable to service employees employed under the predecessor contract was not entered into as a result of arm's length negotiations. Where it is found in accordance with the review procedures provided in 29 CFR 4.10 and/or 4.11 and Parts 6 and 8 that some or all of the wages and/or fringe benefits contained in a predecessor Contractor's collective bargaining agreement are substantially at variance with those which prevail for services of a character similar in the locality, and/or that the collective bargaining agreement applicable to service employees employed under the predecessor contract was not entered into as a result of arm's length negotiations, the Department will issue a new or revised wage determination setting forth the applicable wage rates and fringe benefits. Such determination shall be made part of the contract or subcontract, in accordance with the decision of the Administrator, the Administrative Law Judge, or the Board of Service Contract Appeals, as the case may be, irrespective of whether such issuance occurs prior to or after the award of a contract or subcontract (53 Comp. Gen. 401 (1973)). In the case of a wage determination issued solely as a result of a finding of substantial variance, such determination shall be effective as of the date of the final administrative decision.

(g) **Notification to Employees.** The Contractor and any subcontractor under this contract shall notify each service employee commencing work on this contract of the minimum monetary wage and any fringe benefits required to be paid pursuant to this contract, or shall post the wage determination attached to this contract. The poster provided by the Department of Labor (Publication WH 1313) shall be posted in a prominent and accessible place at the worksite. Failure to comply with this requirement is a violation of Section 2(a)(4) of the Act and of this contract.

(h) **Safe and Sanitary Working Conditions.** The Contractor or subcontractor shall not permit any part of the services called for by this contract to be performed in buildings or surroundings or under working conditions provided by or under the control or supervision of the Contractor or subcontractor which are unsanitary, hazardous, or dangerous to the health or safety of the service employees. The Contractor or subcontractor shall comply with the safety and health standards applied under 29 CFR Part 1925.

(i) **Records.** (1) The Contractor and each subcontractor performing work subject to the Act shall make and maintain for 3 years from the completion of the work, and make them available for inspection and transcription by authorized representatives of the Wage and Hour Division, Employment Standards Administration, a record of the following:

(i) For each employee subject to the Act -

- (A) Name and address and social security number;
- (B) Correct work classification or classifications, rate or rates of monetary wages paid and fringe benefits provided, rate or rates of payments in lieu of fringe benefits, and total daily and weekly compensation;
- (C) Daily and weekly hours worked by each employee; and
- (D) Any deductions, rebates, or refunds from the total daily or weekly compensation of each employee.

(ii) For those classes of service employees not included in any wage determination attached to this contract, wage rates or fringe benefits determined by the interested parties or by the Administrator or authorized representative, under the terms of paragraph (c) of this clause. A copy of the

report required by subdivision (c)(2)(ii) of this clause will fulfill this requirement.

(iii) Any list of the predecessor Contractor's employees which had been furnished to the Contractor as prescribed by paragraph (n) of this clause.

(2) The Contractor shall also make available a copy of this contract for inspection or transcription by authorized representatives of the Wage and Hour Division.

(3) Failure to make and maintain or to make available these records for inspection and transcription shall be a violation of the regulations and this contract, and in the case of failure to produce these records, the Contracting Officer, upon direction of the Department of Labor and notification to the Contractor, shall take action to cause suspension of any further payment or advance of funds until such violation ceases.

(4) The Contractor shall permit authorized representatives of the Wage and Hour Division to conduct interviews with employees at the worksite during normal working hours.

(j) **Pay Periods.** The Contractor shall unconditionally pay to each employee subject to the Act all wages due free and clear and without subsequent deduction (except as otherwise provided by law or Regulations, 29 CFR Part 4), rebate, or kickback on any account. These payments shall be made no later than one pay period following the end of the regular pay period in which the wages were earned or accrued. A pay period under this Act may not be of any duration longer than semi-monthly.

(k) **Withholding of Payment and Termination of Contract.** The Contracting Officer shall withhold or cause to be withheld from the Government Prime Contractor under this or any other Government contract with the Prime Contractor such sums as an appropriate official of the Department of Labor requests or such sums as the Contracting Officer decides may be necessary to pay underpaid employees employed by the Contractor or subcontractor. In the event of failure to pay any employees subject to the Act all or part of the wages or fringe benefits due under the Act, the Contracting Officer may, after authorization or by direction of the Department of Labor and written notification to the Contractor, take action to cause suspension of any further payment or advance of funds until such violations have ceased. Additionally, any failure to comply with the requirements of this clause may be grounds for termination of the right to proceed with the contract work. In such event, the Government may enter into other contracts or arrangements for completion of the work, charging the Contractor in default with any additional cost.

(l) **Subcontracts.** The Contractor agrees to insert this clause in all subcontracts subject to the Act.

(m) **Collective Bargaining Agreements Applicable to Service Employees.** If wages to be paid or fringe benefits to be furnished any service employees employed by the Government Prime Contractor or any subcontractor under the contract are provided for in a collective bargaining agreement which is or will be effective during any period in which the contract is being performed, the Government Prime Contractor shall report this fact to the Contracting Officer, together with full information as to the application and accrual of such wages and fringe benefits, including any prospective increases, to service employees engaged in work on the contract, and a copy of the collective bargaining agreement. Such report shall be made upon commencing performance of the contract, in the case of collective bargaining agreements effective at such time, and in the case of such agreements or provisions or amendments thereof effective at a later time during the period of

contract performance such agreements shall be reported promptly after negotiation thereof.

(n) **Seniority List.** Not less than 10 days prior to completion of any contract being performed at a Federal facility where service employees may be retained in the performance of the succeeding contract and subject to a wage determination which contains vacation or other benefit provisions based upon length of service with a Contractor (predecessor) or successor (29 CFR Part 4.173), the incumbent Prime Contractor shall furnish the Contracting Officer a certified list of the names of all service employees on the Contractor's or subcontractor's payroll during the last month of contract performance. Such list shall also contain anniversary dates of employment on the contract either with the current or predecessor Contractors of each such service employee. The Contracting Officer shall turn over such list to the successor Contractor at the commencement of the succeeding contract.

(o) **Rulings and Interpretations.** Rulings and interpretations of the Act are contained in Regulations, 29 CFR Part 4.

(p) **Contractor's Certification.**

(1) By entering into this contract, the Contractor (and officials thereof) certifies that neither it (nor he or she) nor any person or firm who has substantial interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of the sanctions imposed under section 5 of the Act.

(2) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract under section 5 of the Act.

(3) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

(q) **Variations, Tolerances, and Exemptions Involving Employment.**

Notwithstanding any of the provisions in paragraphs (b) through (o) of this clause, the following employees may be employed in accordance with the following variations, tolerances, and exemptions, which the Secretary of Labor, pursuant to section 4(b) of the Act prior to its amendment by Public L. 92-473, found to be necessary and proper in the public interest or to avoid serious impairment of the conduct of Government business.

(1) Apprentices, student-learners, and workers whose earning capacity is impaired by age, physical or mental deficiency, or injury may be employed at wages lower than the minimum wages otherwise required by section 2(a)(1) or 2(b)(1) of the Act without diminishing any fringe benefits or cash payments in lieu thereof required under section 2(a)(2) of the Act, in accordance with the conditions and procedures prescribed for the employment of apprentices, student-learners, handicapped persons, and handicapped clients of sheltered workshops under Section 14 of the Fair Labor Standards Act of 1938, in the regulations issued by the Administrator (29 CFR Parts 520, 521, 524, and 525).

(2) The Administrator will issue certificates under the Act for the employment of apprentices, student-learners, handicapped persons, or handicapped clients of sheltered workshops not subject to the Fair Labor Standards Act of 1938, or subject to different minimum rates of pay under the two acts, authorizing appropriate rates of minimum wages (but without changing requirements concerning fringe benefits or supplementary cash payments in lieu thereof), applying procedures prescribed by the applicable regulations issued under the Fair Labor Standards Act of 1938 (29 CFR Parts 520, 521, 524, and 525).

(3) The Administrator will also withdraw, annul, or cancel such certificates in accordance with the regulations in 29 CFR Parts 525 and 528.

(r) **Apprentices.** Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed and individually registered in a bona fide apprenticeship program registered with a State Apprenticeship Agency which is recognized by the U.S. Department of Labor, or if no such recognized agency exists in a State, under a program registered with the Bureau of Apprenticeship and Training, Employment and Training Administration, U.S. Department of Labor. Any employee who is not registered as an apprentice in an approved program shall be paid the wage rate and fringe benefits contained in the applicable wage determination for the journeyman classification of work actually performed. The wage rates paid apprentices shall not be less than the wage rate for their level of progress set forth in the registered program, expressed as the appropriate percentage of the journeyman's rate contained in the applicable wage determination. The allowable ratio of apprentices to journeymen employed on the contract work in any craft classification shall not be greater than the ratio permitted to the Contractor as to his entire work force under the registered program.

(s) **Tips.** An employee engaged in an occupation in which the employee customarily and regularly receives more than \$30 a month in tips may have the amount of tips credited by the employer against the minimum wage required by section 2(a)(1) or section 2(b)(1) of the Act, in accordance with section 3(m) of the Fair Labor Standards Act and Regulations 29 CFR Part 531. However, that the amount of credit shall not exceed \$1.34 per hour beginning January 1, 1981. To use this provision -

(1) The employer must inform tipped employees about this tip credit allowance before the credit is utilized;

(2) The employees must be allowed to retain all tips (individually or through a pooling arrangement and regardless of whether the employer elects to take a credit for tips received);

(3) The employer must be able to show by records that the employee receives at least the applicable Service Contract Act minimum wage through the combination of direct wages and tip credit; and

(4) The use of such tip credit must have been permitted under any predecessor collective bargaining agreement applicable by virtue of section 4(c) of the Act.

(t) **Disputes Concerning Labor Standards.** The U.S. Department of Labor has set forth in 29 CFR Parts 4, 6, and 8 procedures for resolving disputes concerning labor standards requirements. Such disputes shall be resolved in accordance with those procedures and not the Disputes clause of this contract. Disputes within the meaning of this clause include disputes between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

I.10 PROMPT PAYMENT (FAR 52.232-25) (MAR 1994)

Notwithstanding any other payment clause in this contract, the Government will make invoice payments and contract financing payments under the terms and conditions specified in this clause. Payment shall be considered as being made on the day a check is dated or an electronic funds transfer is made. Definitions of pertinent terms are set forth in 32.902. All days referred to in this clause are calendar days, unless otherwise specified.

(a) **Invoice Payments.**

(1) For purposes of this clause, "invoice payment" means a Government disbursement of monies to a Contractor under a contract or other authorization for

supplies or services accepted by the Government. This includes payments for partial deliveries that have been accepted by the Government and final cost or fee payments where amounts owed have been settled between the Government and the Contractor.

(2) Except as indicated in subparagraph (a)(3) and paragraph (c) of this clause, the due date for making invoice payments by the designated payment office shall be the later of the following two events:

(i) The 30th day after the designated billing office has received a proper invoice from the Contractor.

(ii) The 30th day after Government acceptance of supplies delivered or services performed by the Contractor. On a final invoice where the payment amount is subject to contract settlement actions, acceptance shall be deemed to have occurred on the effective date of the contract settlement. However, if the designated billing office fails to annotate the invoice with the actual date of receipt, the invoice payment due date shall be deemed to be the 30th day after the date the Contractor's invoice is dated, provided a proper invoice is received and there is no disagreement over quantity, quality, or Contractor compliance with contract requirements.

(3) The due date on contracts for meat, meat food products, or fish; contracts for perishable agricultural commodities, contracts for dairy products, edible fats or oils, and food products prepared from edible fats or oils, and contracts not requiring submission of an invoice shall be as follows:

(i) The due date for meat and meat food products, as defined in Section 2(a)(3) of the Packers and Stockyard Act of 1921 (7 U.S.C. 182(3)) and further defined in Pub. L. 98-181 to include any edible fresh or frozen poultry meat, any perishable poultry meat food product, fresh eggs, and any perishable egg product, will be as close as possible to, but not later than, the 7th day after product delivery.

(ii) The due date for fresh or frozen fish, as defined in Section 204(3) of the Fish and Seafood Promotion Act of 1986 (16 U.S.C. 4003(3)), will be as close as possible to, but not later than, the seventh day after product delivery.

(iii) The due date for perishable agricultural commodities, as defined in section 1(4) of the Perishable Agricultural Commodities Act of 1930 (7 U.S.C. 499a(44)), will be as close as possible to, but not later than, the 10th day after product delivery, unless another date is specified in the contract.

(iv) The due date for dairy products, as defined in section 111(e) of the Dairy Production Stabilization Act of 1983 (7 U.S.C. 4502(e)), edible fats or oils, and food products prepared from edible fats or oils, will be as close as possible to, but not later than, the 10th day after the date on which a proper invoice has been received.

(v) If the contract does not require submission of an invoice for payment (e.g., periodic lease payments), the due date will be as specified in the contract.

(4) An invoice is the Contractor's bill or written request for payment under the contract for supplies delivered or services performed. An invoice shall be prepared and submitted to the designated billing office specified in the contract. A proper invoice must include the items listed in subdivisions (a)(4)(i) through (a)(4)(viii) of this clause. If the invoice does not comply with these requirements, then the Contractor will be notified of the defect within 7 days after receipt of the invoice at the designated billing office (3 days for meat, meat food products, or fish, and 5 days for perishable agricultural commodities, edible fats or oils, and food products prepared from edible fats or oils).

Untimely notification will be taken into account in the computation of any interest penalty owed the Contractor in the manner described in subparagraph (a)(6) of this clause.

- (i) Name and address of the Contractor.
- (ii) Invoice date.
- (iii) Contract number or other authorization for supplies delivered or services performed (including order number and contract line item number).
- (iv) Description, quantity, unit of measure, unit price, and extended price of supplies delivered or services performed.
- (v) Shipping and payment terms (e.g., shipment number and date of shipment, prompt payment discount terms). Bill of lading number and weight of shipment will be shown for shipments on Government bills of lading.
- (vi) Name and address of Contractor official to whom payment is to be sent (must be the same as that in the contract or in a proper notice of assignment).
- (vii) Name (where practicable), title, phone number and mailing address of person to be notified in event of a defective invoice.
- (viii) Any other information or documentation required by other requirements of the contract (such as evidence of shipment).

(5) An interest penalty shall be paid automatically by the Government, without request from the Contractor, if payment is not made by the due date and the conditions listed in subdivisions (a)(5)(i) through (a)(5)(iii) of this clause are met, if applicable.

- (i) A proper invoice was received by the designated billing office.
- (ii) A receiving report or other Government documentation authorizing payment was processed and there was no disagreement over quantity, quality, or Contractor compliance with any contract term or condition.
- (iii) In the case of a final invoice for any balance of funds due the Contractor for supplies delivered or services performed, the amount was not subject to further contract settlement actions between the Government and the Contractor.

(6) The interest penalty shall be at the rate established by the Secretary of the Treasury under section 12 of the Contract Disputes Act of 1978 (41 U.S.C. 611) that is in effect on the day after the due date, except where the interest penalty is prescribed by other governmental authority. This rate is referred to as the "Renegotiation Board Interest Rate," and it is published in the *Federal Register* semiannually on or about January 1 and July 1. The interest penalty shall accrue daily on the invoice payment amount approved by the Government and be compounded in 30-day increments inclusive from the first day after the due date through the payment date. That is, interest accrued at the end of any 30-day period will be added to the approved invoice payment amount and be subject to interest penalties if not paid in the succeeding 30-day period. If the designated billing office failed to notify the Contractor of a defective invoice within the periods prescribed in paragraph (a)(4) of this clause, then the due date on the corrected invoice will be adjusted by subtracting the number of days taken beyond the prescribed notification of defects period. Any interest penalty owed the Contractor will be based on this adjusted due date. Adjustments will be made by the designated payment office for errors in calculating interest penalties, if requested by the Contractor.

(i) For the sole purpose of computing an interest penalty that might be due the Contractor, Government acceptance shall be deemed to have occurred constructively on the 7th day (unless otherwise specified in this contract) after the Contractor delivered the supplies or performed the services in accordance with

the terms and conditions of the contract, unless there is a disagreement over quantity, quality, or contractor compliance with a contract provision. In the event that actual acceptance occurs within the constructive acceptance period, the determination of an interest penalty shall be based on the actual date of acceptance. The constructive acceptance requirement does not, however, compel Government officials to accept supplies or services, perform contract administration functions, or make payment prior to fulfilling their responsibilities.

(ii) The following periods of time will not be included in the determination of an interest penalty:

(A) The period taken to notify the Contractor of defects in invoices submitted to the Government, but this may not exceed 7 days (3 days for meat, meat food products, or fish, and 5 days for perishable agricultural commodities, dairy products, edible fats or oils, and food products prepared from edible fats or oils).

(B) The period between the defects notice and resubmission of the corrected invoice by the Contractor.

(iii) Interest penalties will not continue to accrue after the filing of a claim for such penalties under the clause at 52.233-1, Disputes, or for more than 1 year. Interest penalties of less than \$1.00 need not be paid.

(iv) Interest penalties are not required on payment delays due to disagreement between the Government and Contractor over the payment amount or other issues involving contract compliance or on amounts temporarily withheld or retained in accordance with the terms of the contract. Claims involving disputes, and any interest that may be payable, will be resolved in accordance with the clause at 52.233-1, Disputes.

(7) An interest penalty shall also be paid automatically by the designated payment office, without request from the Contractor, if a discount for prompt payment is taken improperly. The interest penalty will be calculated as described in subparagraph (a)(6) of this clause on the amount of discount taken for the period beginning with the first day after the end of the discount period through the date when the Contractor is paid.

(8) If this contract was awarded on or after October 1, 1989, a penalty amount, calculated in accordance with regulations issued by the Office of Management and Budget, shall be paid in addition to the interest penalty amount if the Contractor -

(i) Is owed an interest penalty;

(ii) Is not paid the interest penalty within 10 days after the date the invoice amount is paid; and

(iii) Makes a written demand, not later than 40 days after the date the invoice amount is paid, that the agency pay such a penalty.

(b) *Contract Financing Payments.*

(1) For purposes of this clause, "contract financing payment" means a Government disbursement of monies to a Contractor under a contract clause or other authorization prior to acceptance of supplies or services by the Government. Contract financing payments include advance payments, progress payments based on cost under the clause at 52.232-16, Progress Payments, progress payments based on a percentage or stage of completion (32.102(e)(1)) other than those made under the clause at 52.232-5, Payments Under Fixed-Price Construction Contracts, or the clause at 52.232-10, Payments Under Fixed-Price Architect-Engineer Contracts, and interim payments on cost type contracts.

(2) For contracts that provide for contract financing, requests for payment shall be submitted to the designated billing office as specified in this contract

or as directed by the Contracting Officer. Contract financing payments shall be made on the 30th day after receipt of a proper contract financing request by the designated billing office. In the event that an audit or other review of a specific financing request is required to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the due date specified.

(3) For advance payments, loans, or other arrangements that do not involve recurrent submissions of contract financing requests, payment shall be made in accordance with the corresponding contract terms or as directed by the Contracting Officer.

(4) Contract financing payments shall not be assessed an interest penalty for payment delays.

(c) If this contract contains the clause at 52.213-1, Fast Payment Procedure, payments will be made within 15 days after the date of receipt of the invoice.

I.11 CERTIFICATION OF INDIRECT COSTS (FAR 52.242-4) (OCT 1995)

(a) The Contractor shall -

(1) Certify any proposal to establish or modify billing rates or to establish final indirect cost rates;

(2) Use the format in paragraph (c) of this clause to certify; and

(3) Have the certificate signed by an individual of the Contractor's organization at a level no lower than a vice president or chief financial officer of the business segment of the Contractor that submits the proposal.

(b) Failure by the Contractor to submit a signed certificate, as described in this clause, shall result in payment of indirect costs at rates unilaterally established by the Government.

(c) The certificate of indirect costs shall read as follows:

CERTIFICATE OF INDIRECT COSTS

This is to certify that to the best of my knowledge and belief:

1. I have reviewed this indirect cost proposal;

2. All costs included in this proposal (identify proposal and data) to establish billing or final indirect costs rates for (identify period covered by rate) are allowable in accordance with the requirements of contracts to which they apply and with the cost principles of the Federal Acquisition Regulation (FAR) and its supplements applicable to those contracts;

3. This proposal does not include any costs which are unallowable under applicable cost principles of the FAR or its supplements, including, but not limited to: advertising and public relations costs, contributions and donations, entertainment costs, fines and penalties, lobbying costs, defense of fraud proceedings, and goodwill; and

4. All costs included in this proposal are properly allocable to Government contracts on the basis of a beneficial or causal relationship between the expenses incurred and the contracts to which they are allocated in accordance with applicable acquisition regulations.

I declare under penalty of perjury that the foregoing is true and correct.

Firm: _____

Signature: _____

Name of Certifying Official: _____

Title: _____

Date of Execution: _____

I.12 BANKRUPTCY (FAR 52.242-13) (JUL 1995)

In the event the Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the contract, written notification of the bankruptcy to the Contracting Officer responsible for administering the contract. This notification shall be furnished within five days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of Government contract numbers and contracting offices for all Government contracts against which final payment has not been made. This obligation remains in effect until final payment under this contract.

I.13 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (FAR 52.244-6) (OCT 1995)

(a) Definition

"Commercial item," as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract," as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 112460);

(2) 52.222-35, Affirmative Action for Special Disabled and Vietnam Era Veterans (38 U.S.C. 4212(a));

(3) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793);

and

(4) 52.247-64, Preference of Privately-Owned U.S. - Flagged Commercial Vessels (46 U.S.C. 1241) (flowdown not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this Paragraph (d), in subcontracts awarded under this contract.

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

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

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

I.15 SECURITY CLASSIFICATION REQUIREMENTS (NASA 18-52.204-75)
(SEP 1989)

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

I.16 SECURITY PLAN FOR UNCLASSIFIED FEDERAL COMPUTER SYSTEMS
(NASA 18-52.204-78) (SEP 1993)

In addition to complying with any functional and technical security requirements set forth in the schedule and the clauses of this contract, the Contractor shall comply with the Security Plan For Unclassified Federal Computer Systems submitted pursuant to provision 18-52.204-77, Submission of Security Plan For Unclassified Federal Computer Systems, as approved by the Contracting Officer.

I.17 AWARD FEE FOR SERVICE CONTRACTS (NASA 18-52.216-76) (SEP 1993)

(a) The Contractor can earn award fee from a minimum of zero dollars to the maximum stated in NASA FAR Supplement Clause 18-52.216-85, "Estimated Cost and Award Fee" in this contract.

(b) Beginning six months after the effective date of this contract, the Government shall evaluate the Contractor's performance every six 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 award fee plan, which will be provided at the time of contract award. 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 Contracting Officer will issue a unilateral modification to the contract that will recognize the award fee earned. The Contractor is not required to submit a separate voucher for earned award fee. The Financial Management Division will make payment based on the unilateral modification.

(d) The amount of award fee which can be awarded in each evaluation period is limited to the amounts set forth at B.3, Award Fee Availability Schedule. Award fee which is not earned in an evaluation period cannot be reallocated to future evaluation periods.

(e) Award fee determinations made by the Government under this contract are not subject to the Disputes clause.

PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

- Exhibit A Installation-Provided Government Property, 28 pages
- Exhibit B Contract Documentation Requirements, 6 pages
- Exhibit C Register of Wage Determination and Fringe Benefits No. 94-2544,
Rev. 6, June 20, 1995, 9 pages
- Exhibit D Contract Security Classification Specification, DD Form 254,
2 pages
- Exhibit E Procedures for the Preparation and Approval of Contractor
Reports for Langley Research Center, Form PROC./P-72,
May 1992, 4 pages
- Exhibit F Semi-Annual Progress Report for Small Disadvantaged Business
(SDB) Goals, 1 page
- Exhibit G Small, Small Disadvantaged and Women-Owned Small Business
Subcontracting Plan

1202/90	DISPLAY UNIT	RADIUS INC.	400	403	1004
1081	COMPUTER, MICRO	APPLE CC JTER INC	M5525	643	12
1083/10	DISK DRIVE UNIT	IOMEGA	B244X	643	104
1087467	DISK DRIVE UNIT	SUN MICROSYSTEMS INC	411	643	111B
1088081	DISPLAY UNIT	APPLE COMPUTER INC	M0401	643	124F
1088378	DISK DRIVE UNIT	IOMEGA	B144T	643	108
1088381	DISK DRIVE UNIT	IOMEGA	B144T	643	111B
61207	SHREDDING MACHINE,PAPER,OFFICE	MEIKO SHOKAI CO LTD	C11	643	112B
62028	COMPUTER, MICRO	DATASEC CORPORATION	DTM110APPLE	643	112B
62029	COMPUTER, MICRO	APPLE COMPUTER INC	DTM110	643	112B
62030	DISPLAY UNIT	APPLE COMPUTER INC	DSC120	643	112B
62031	DISPLAY UNIT	DATASEC CORPORATION	DSC120APPLE	643	112B
62032	DISK DRIVE UNIT	APPLE COMPUTER INC	DSD320	643	112B
62033	DISK DRIVE UNIT	APPLE COMPUTER INC	DSD320	643	112B
62034	PRINTER, ADP	QMS INC	PS810T	643	112B
849472	SAFE, 5-DRAWER	MOSLER SAFE CO	7110-00-919-9193	643	112B
1086569	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	643	113C
1086574	DISPLAY UNIT	APPLE COMPUTER INC	M0401	643	113C
1088152	COMPUTER, MICRO	APPLE COMPUTER INC	M5525	643	112B
1088157	DISPLAY UNIT	APPLE COMPUTER INC	M0401	643	112B
1088159	DISK DRIVE UNIT	IOMEGA	B244X-UNI	643	112G
1088509	DISK DRIVE UNIT	IOMEGA	B244X-UNI	643	112B
802771	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	643	112B
801558	CONTROLLER, PROGRAMMABLE	TOSHIBA HOSHASEN CO LTD	EC320	643	108
1160257	VACUUM SYSTEM	AUTOMATION PRODUCTS GROUP	SP144-120	643	108
1159864	VALVE, GLOBE/IP TRANSDUCER	VALTEK INC	5424588-2"SCOUT	643	108
1159800	FLOWMETER	SIERRA INSTRUMENTS INC	760N6	643	108
1425272	TRANSPORT, MAGNETIC TAPE	ANDATACO	X5X5E51JX252X	644	200
1087876	DISPLAY UNIT	APPLE COMPUTER INC	M0401	644	200

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1087879	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	644	200
1090831	COMPUTER, MINI	SILICON GRAPHICS INC	CMNA008W64D320V	644	200
1090832	DISPLAY UNIT	SILICON GRAPHICS INC	CM2086A3SG	644	200
1256541	DISK DRIVE UNIT	FUJITSU LTD	M2654SA	644	200
803272	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	644	200
803273	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	644	200
1422540	COMPUTER, MICRO	APPLE COMPUTER INC	M1688	644	200
1422542	DISPLAY UNIT	APPLE COMPUTER INC	M2494	644	200
1083771	DISPLAY UNIT	SONY CORP	CPD1304	644	200
1160347	PRINTER, ADP	HEWLETT-PACKARD CO	C2021A	644	200
1259321	COMPUTER, MICRO	GATEWAY 2000	NEW TOWER	644	200
1259320	DISPLAY UNIT	NANAO-USA	MA2170	644	200
847369	PRINTER, ADP	HEWLETT-PACKARD CO	3630A	644	200
139980	FILM MAGAZINE	PHOTO-SONICS INC	16MM1P200FEET	645	401
139981	FILM MAGAZINE	PHOTO-SONICS INC	16MM1P200FEET	645	401
142814	RADIO SYSTEM	FUTABA CORP	FP-T7FG/K	645	401
410738	CAMERA, MOTION PICTURE	PHOTO-SONICS INC	16MM1PL	645	401
410739	FILM MAGAZINE	PHOTO-SONICS INC	16MM1P200FEET	645	401
410740	FILM MAGAZINE	PHOTO-SONICS INC	16MM1P200FEET	645	401
410741	FILM MAGAZINE	PHOTO-SONICS INC	16MM1P200FEET	645	401
1087719	CAMERA, TELEVISION	PULNIX AMERICA INC	TM845/865	645	401
1087874	COMPUTER, MICRO	APPLE COMPUTER INC	5780	645	201
1087884	DISPLAY UNIT	APPLE COMPUTER INC	M0401	645	201
1088933	DISPLAY UNIT	SUN MICROSYSTEMS INC	M19P114	645	401
1088934	MONITOR, TELEVISION	CONRAC CORP CRAMER DIV	7250C19	645	401
1088935	COMPUTER, MICRO	AST RESEARCH INC	386	645	401
1088936	MONITOR, TELEVISION	SONY CORP	PVM1341	645	401
1088937	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1404HMA1	645	401
1088938	COMPUTER, MICRO	SUN MICROSYSTEMS INC	SPARCSTATION330	645	401
1088939	PLAYER, OPTICAL DISK RECORDER	MATSUSHITA ELEC INDUS CO	TQ3038F	645	401
1088940	PRINTER, ADP	HEWLETT-PACKARD CO	33449A	645	401

QUANTITY	DESCRIPTION	MANUFACTURER	MODEL NUMBER	PRICE	UNIT
G078	COMPUTER, MICRO	SUN MICRO SYSTEMS INC	147B4/65FC8	645	2C
G078939	DISPLAY UNIT	SONY CORP	GDM1604B15	645	20C
G078940	DISK DRIVE UNIT	SUN MICROSYSTEMS INC	411	645	200
G078941	TRANSPORT, MAGNETIC TAPE	SUN MICROSYSTEMS INC	411	645	200
G079486	DISK DRIVE UNIT	CITA TECHNOLOGIES, INC.	PE114	645	200
803322	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	645A	200
803250	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	645A	200
1087875	COMPUTER, MICRO	APPLE COMPUTER INC	5780	645A	200
803249	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	645A	200
1088156	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	645A	200
1088380	DISK DRIVE UNIT	IOMEGA	B144T	645A	200
1159718	PRINTER, ADP	APPLE COMPUTER INC	M6000	647	105
1260422	PRINTER, ADP	TEKTRONIX INC	4681PXE	1130T	306
59967	DISPLAY UNIT	SONY CORP	GDM1952	1146	204
138597	DISK DRIVE UNIT	APPLE COMPUTER INC	HARD DISK20SC M26	1146	204
142018	DISK DRIVE UNIT	APPLE COMPUTER INC	HARD DISK20SC M26	1146	204
143391	DISPLAY UNIT	APPLE COMPUTER INC	M0400	1146	204
1160020	DISPLAY UNIT	APPLE COMPUTER INC	M1297	1146	204
G078736	COMPUTER, MICRO	APPLE COMPUTER INC	M5650	1146	204
1159488	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1146	204
1083798	DISK DRIVE UNIT	CUTTING EDGE INC.	E	1146	204
1089802	TRANSPORT, MAGNETIC TAPE	MAYNARD ELECTRONICS INC	72500	1146	204
G075541	COMPUTER, MICRO	MOTOROLA INC	PCP121	1148	104
G075903	DISPLAY UNIT	PHILIPS CONSUMER ELECTRONICS	CM9032	1148	104
1156143	GENERATOR, WAVEFORM	MTS SYSTEMS CORP	458.91	1148	104
1155865	INTERFACE	FRACTURE TECHNOLOGY ASSOC	NONE	1148	104
1160434	POWER SUPPLY	HEWLETT-PACKARD CO	6572A	1148	104
1257431	DISPLAY UNIT	RADIUS INC	381	1148	202
62426	COMPUTER, MICRO	APPLE COMPUTER INC	M5840	1148	210
1257399	DISPLAY UNIT	SONY CORP	GDM1937/05	1148	210
G079302	COMPUTER, MICRO	APPLE COMPUTER INC	M5650	1148	202

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1256124	DISPLAY UNIT	SONY CORP	GDM1971	1148	202
1156702	DISK DRIVE UNIT	PINNACLE MICRO INC	RE0130S	1148	202
1093193	COMPUTER, MICRO	APPLE COMPUTER INC	M5920	1148	222
1256125	DISPLAY UNIT	SONY CORP	GDM1971	1148	222
1262055	TERMINAL, DATA PROCESSING	NETWORK COMPUTING DEVICES I	88K	1148	233
1262056	DISPLAY UNIT	NETWORK COMPUTING DEVICES I	NC1985AA	1148	233
1092536	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1741UMA	1148	204
1092738	MODEM, COMMUNICATIONS	MULTITECH COMMUNICATIONS	M7932BA	1148	.NOC
1156716	PRINTER, ADP	HEWLETT-PACKARD CO	33481A	1148	233
G074075	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1148T	100
62189	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1148T	100
62194	PRINTER, ADP	APPLE COMPUTER INC	M6000	1148T	100
62197	DISK DRIVE UNIT	APPLE COMPUTER INC	A9M0110	1148T	100
139000	PRINTER, ADP	EPSON AMERICA INC	FX85	1148T	0.006
139564	COMPUTER, MICRO	STANDARD BRAND PRODUCTS	286	1148T	0.006
141861	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHI	5151-001	1148T	6
848885	COMPUTER, MICRO	APPLE COMPUTER INC	M5650	1148T	6
1088743	DISK DRIVE UNIT	PINNACLE MICRO INC	RE0130	1148T	6
1256145	DISPLAY UNIT	SONY CORP	GDM1971	1148T	
1158357	COMPUTER, MICRO	GOVERNMENT MICRO RESOURCE	486/50	1148	233
56040	PRINTER, ADP	HEWLETT-PACKARD CO	33440A	1168	126
139778	PRINTER, ADP	EPSON AMERICA INC	P24EA(LQ2500)	1168	126
140845	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7550A	1168	126
142504	BUFFER, PRINTER, MULTIPOST	BAY TECHNICAL ASSOCIATES	710E	1168	126
461797	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP41C	1168	126
461799	PRINTER, ADP	HEWLETT-PACKARD CO	82143A	1168	126
532626	PRINTER, ADP	HEWLETT-PACKARD CO	82143A	1168	126
846974	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP65	1168	126
1089816	COMPUTER, MICRO	GATEWAY 2000	486/33C	1168	126
1254764	DISPLAY UNIT	GATEWAY 2000	CS1572FS	1168	126
G076430	COMPUTER, MICRO	APPLE COMPUTER INC	M5525IIFX	1168	103

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1091412	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1531VMA	1168	103
G079046	COMPUTER, MICRO	GATEWAY 2000	AM424E386	1168	126
G079047	DISPLAY UNIT	GATEWAY 2000	PMV14VC PLUS	1168	126
140666	PRINTER, ADP	EPSON AMERICA INC	P82AA(FX86E)	1168	126
803179	MODEM, COMMUNICATIONS	PRACTICAL PERIPHERALS INC	PM14400FXMT	1168	126
431630	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP55	1168	126
1091181	COMPUTER, MICRO	GATEWAY 2000	B922512AM	1168	126
1091182	DISPLAY UNIT	GATEWAY 2000	PMV1448	1168	126
1091660	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1168	102
1091661	DISPLAY UNIT	E-MACHINES INC	GDM1601	1168	102
G076463	TRANSPORT, MAGNETIC TAPE	FIFTH GENERATION SYSTEMS INC	FASTBACKTAPE,FB12	1168	129
1155620	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1168	129
1155621	DISPLAY UNIT	E-MACHINES INC	T16	1168	129
57388	COMPUTER, MICRO	PC'S LIMITED SEE DEL COMPUTER	310	1168	128
57732	DISPLAY UNIT	PC'S LIMITED SEE DEL COMPUTER	VC2	1168	128
1259060	DISK DRIVE UNIT	APPLIED SOFTWARE INC	NONE (VERIFIED)	1168	117
1259058	COMPUTER, MICRO	SUN MICROSYSTEMS INC	144	1168	117
1260193	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM1662B	1168	117
35905	DISK DRIVE UNIT	ANDATACO	NONE (VERIFIED)	1192E	111A
1092831	DISK DRIVE UNIT	JMR ELECTRONICS INC	MZFO-001	1192E	111A
1261426	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB007Y75	1192E	109A
1263745	DISPLAY UNIT	SONY CORP	GDM20D11	1192E	109A
1259394	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB007	1192E	109A
1263746	DISPLAY UNIT	SONY CORP	GDM20D11	1192E	109A
1262007	DISK DRIVE UNIT	KINGSTON TECHNOLOGY CORP	DS100SF	1192E	109B
1423804	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB007Y100	1192T	100
1423806	DISPLAY UNIT	SONY CORP	GDM20D11	1192T	100
846830	DISPLAY UNIT	IKEGAMI ELECTRONIC US INC	C/DM2060MC2	1200	282
1089906	ANEMOMETER, LASER FLUORESCENCE	COMPLERE INC	NONE	1200	0.12
56460	SHIELD, X-RAY	ENRAF-NONIUS (DISCONTINUED)	1598-491	1202	106

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
220465	RECORDER, CHART, STRIP	SOLTEC CORP	3314MF	1202	106
283421	MICROSCOPE	NIKON INC	SMZ10	1202	106A
283422	TRINOCLAR HEAD	NIKON INC	SNZ10	1202	106A
404609	INTENSIFIER, IMAGE	BRIMROSE CORP OF AMERICA	PIXI	1202	106
473434	POLISHING MACHINE, CHEMICAL	SOUTH BAY TECHNOLOGY INC	460	1202	CONX1
473439	DICING MACHINE	SOUTH BAY TECHNOLOGY INC	850	1202	106C
473466	POLISHING MACHINE	GEOS CORP THE	UNIPOL-PA104	1202	106
473467	SPECTROMETER, X-RAY	GENERAL ELEC CO SUPPLY CO	XRD6	1202	106
527910	MICROSCOPE	UNITRON INSTRUMENTS INC	TMS	1202	106A
527911	CONTROLLER, TEMPERATURE	LEEDS AND NORTHRUP CO	10877-3T000	1202	106
527912	VOLTMETER, RATIONETER, DIGITAL	LEAR SIEGLER ELECTR INSTR DIV	P9500B	1202	106
527914	CONVERTER, AC & OHMS TO DC	LEAR SIEGLER ELECTR INSTR DIV	6812B	1202	106
527915	ELECTROMAGNET	VARIAN ASSOC MICROWAVE DIV	V4005	1202	106
527916	FLUXMETER	BELL F W INC	811AB	1202	106
527917	CRYOCOOLER SYSTEM	AIR PRODUCTS AND CHEMICALS I	20-1352E	1202	106
528075	MICROSCOPE SYSTEM	ZEISS CARL INC	ULTRADHUT II	1202	106A
528086	PROFILE MEASURING SCANNER	SLOAN TECHNOLOGY CP F-SLOAN	138-000	1202	106A
528088	RECORDER, CHART, STRIP	SLOAN TECHNOLOGY CP F-SLOAN	K1K10	1202	106A
530683	CAMERA, X-RAY	UNKNOWN (VERIFIED)	NONE	1202	106
531063	SURVEY METER	VICTOREEN INC NUCLEAR ASSOC	440	1202	106
533524	CAMERA, TELEVISION	RCA CORP GVMT & COMMERCIAL	CKC031	1202	106A
533525	MONITOR, TELEVISION	RCA CORP GVMT & COMMERCIAL	EKR360	1202	106
G074037	CONTROLLER, POSITIONER	AEROTECH INC F-CW RADIATION	U1C-HM-A500	1202	107
G077696	READOUT, DIGITAL	SONY CORP	LM22S22R	1202	107
20076	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822	1202	107
20077	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822	1202	107
20078	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822	1202	107
20932	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822/4-20MA/O/R5017	1202	107
20933	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822/4-20MA/O/R5017	1202	107
20934	CONTROLLER, TEMPERATURE	EUROTHERM INT'L TURNBULL CTL	822/4-20MA/O/R5017	1202	107
54121	SYSTEM, DATA ACQUISITION	KEITHLEY INSTRUMENTS INC	500-500	1202	107

EXHIBIT A

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
58566	CONTROLLER, POSITIONER	AEROTECH INC F-CW RADIATION	UNIDEX I(UIC-HM-A50	1202	107
140873	SYSTEM, DATA ACQUISITION	KEITHLEY INSTRUMENTS INC	500-500	1202	107
259020	DATA LOGGER	FLUKE JOHN MFG CO INC	2280B	1202	107
G074073	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1205	229
53257	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1205	229
55674	DISPLAY UNIT	SONY CORP	GDM1602	1205	214
802947	DISK DRIVE UNIT	PINNACLE MICRO INC	TAHOE130	1205	229F
1258467	DISPLAY UNIT	NEC TECHNOLOGIES INC DIV OF N	JC1532VMA2	1205	229F
61605	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1404HMA	1205	229B
61634	COMPUTER, MICRO	OCEAN MICRO SYSTEMS	286TURBO	1205	229E
142482	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7550AA	1205	244
1258077	COMPUTER, MICRO	APPLE COMPUTER INC	M1205	1205	229F
847243	DISPLAY UNIT	SONY CORP	GDM1950	1205	214
1084903	PRINTER, ADP	APPLE COMPUTER INC	M6000	1205	229F
1085931	COMPUTER, MICRO	APPLE COMPUTER INC	M5525IIFX	1205	229F
1093188	COMPUTER, MICRO	SILICON GRAPHICS INC	CMNB003	1205	247
1093189	DISPLAY UNIT	SONY CORP	GDM1630SG	1205	247
801401	TRANSPORT, MAGNETIC TAPE	SEAGATE	1.3GB	1205	247
282147	COMPUTER, MICRO	INTERNATIONAL BUSINESS MACHI	SYSTEM9000	1205	129B
282749	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHI	5153-001	1205	129B
G079479	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1404HMA1	1205	229
142516	COMPUTER, MICRO	STANDARD BRAND PRODUCTS	286	1205	229
1156209	COMPUTER, MICRO	MICRO SERVE	AUVA354/40	1205	229B
G074082	PRINTER, ADP	TEKTRONIX INC	4697	1205	229C
G079059	PRINTER, ADP	HEWLETT-PACKARD CO	33449A	1205	229
142300	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1401P3A	1205	229C
142668	COMPUTER, MICRO	PC'S LIMITED SEE DEL COMPUTER	286AT114	1205	229C
53335	COMPUTER, MICRO	APPLE COMPUTER INC	M5000	1205	158
55961	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1205	158
G075904	DISPLAY UNIT	PHILIPS CONSUMER ELECTRONICS	CM9032	1205	229E
G076227	COMPUTER, MICRO	MOTOROLA INC	PCP121	1205	229E

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
470395	PRINTER, ADP	DIGITAL EQUIPMENT CORP	LA50	1208	143
1091949	DISPLAY UNIT	DIGITAL EQUIPMENT CORP	VRT19HA	1208	109
221413	COMPUTER, MICRO	INTERNATIONAL BUSINESS MACHI	5170-068	1208	109
1422577	DISPLAY UNIT	VIEW SONIC	1782-2	1208	109
549630	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT240A	1208	0.227
62129	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	77	1208	117A
1257697	DISPLAY UNIT	RADIUS INC	381	1208	117A
1257695	COMPUTER, MICRO	APPLE COMPUTER INC	M9020	1208	117A
1159609	DISPLAY UNIT	SONY CORP	M1212	1208	139
465106	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT180	1208	0.227
846492	COMPUTER, MICRO	APPLE COMPUTER INC	M5650	1208	139
1091527	COMPUTER, MINI	DIGITAL EQUIPMENT CORP	WS42A-BH	1208	139
1159874	TRANSPORT, MAGNETIC TAPE	WANGDAT TECHNOLOGY INC	1300	1208	139
791057	RECORDER, TAPE, DIGITAL	EMULEX CORP	92185	1208	227
470219	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP41CV	1208	117A
1085825	COMPUTER, MICRO	GATEWAY 2000	486/25C	1208	117A
848659	PRINTER, ADP	EPSON AMERICA INC	P785A(LQ510)	1208	112
847317	DISPLAY UNIT	SONY CORP	GDM1950	1208	300B
1085701	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1208	300B
140557	PRINTER, ADP	DIGITAL EQUIPMENT CORP	LNOSS-AA	1208A	111
142700	DISPLAY UNIT	DIGITAL EQUIPMENT CORP	VR260AA	1208A	111
471277	READER, TIME CODE	SYSTRON-DONNER CORP	8130-203	1208A	111
1262447	COMPUTER, MICRO	GATEWAY 2000	NEW TOWER	1208A	112
1262449	DISPLAY UNIT	SONY CORP	GDM2039	1208A	112
1091337	DISK DRIVE UNIT	SONY CORP	SMO-E501	1208A	112
21291	GENERATOR, SYNC	GRASS VALLEY GROUP INC THE	SCB200N	1212	133
21597	LENS, ZOOM	FUJI OPTICAL CO	A16X9.5BMD-D18	1212	133
21788	OSCILLOSCOPE, MODULAR	TEKTRONIX INC	SC502	1212	133
21789	POWER SUPPLY RACK	TEKTRONIX INC	TM506A	1212	133
1158872	CAMERA, TELEVISION	COHU INC ELECTR DV	4815-3000	1212	133
1263415	CAMERA, TELEVISION	COHU INC ELECTR DV	4815-3000/0000	1212	133

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
801302	CAMERA, TELEVISION	SONY CORP	DXC750	1212	133
1084046	SWITCHER, ANALOG	EXTRON CO	SW4	1212	133
1084079	RECORDER-REPRODUCER SET, VIDEO	AMPEX CORP F-INVAR ELECTR CO	CVR75	1212	133
1085996	CONTROLL UNIT, PAN/TILT	FUJINON INC	COP30	1212	133
1086153	MONITOR, TELEVISION	SONY CORP	PVM1344Q	1212	133
1086154	MONITOR, TELEVISION	SONY CORP	1944Q	1212	133
1086158	CONTROL, CAMERA, TELEVISION	SONY CORP	DXC750	1212	133
1086159	MONITOR, TELEVISION	SONY CORP	PVM411	1212	133
G078533	PRINTER, ADP	HEWLETT-PACKARD CO	33449A	1212	113
53451	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7550A	1212	202
259418	CONTAINER, SHIPPING & STORAGE	ANVIL CASES INC SUB OF ZERO C	NONE	1212	134A
464084	GENERATOR, TIME CODE	DATUM INC F-PERIPHERAL	9310	1212	134A
G076465	GENERATOR, TIME CODE	DATUM INC F-PERIPHERAL	9700	1212	134A
1258209	COMPUTER, MINI	HEWLETT-PACKARD CO	A2273A	1212	113
1258208	DISPLAY UNIT	HEWLETT-PACKARD CO	A1097C	1212	113
1085398	RECORDER, TAPE, ANALOG	HONEYWELL INC AEROSPACE DIV	97(16821992-001)	1212	134A
1086742	DISPLAY UNIT	HEWLETT-PACKARD CO	A1097A	1212	113
1086743	COMPUTER, MICRO	HEWLETT-PACKARD CO	C2708A	1212	113
1087991	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1212	134A
1087992	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1212	134A
1087993	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1212	134A
1087994	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1087995	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1087996	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1087997	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1087998	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1087999	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	SC1200	1212	134A
1088631	CONTROLLER, PROGRAMMABLE	NEWPORT/KLINGER FRMLY NEWP	PMC100	1212	201
1088806	PROCESSOR, SIGNAL, GRAPHICS	ZONIC CORP	7000	1212	134A
1089456	COMPUTER, MINI	HEWLETT-PACKARD CO	A1962A	1212	134A
1089457	DISPLAY UNIT	HEWLETT-PACKARD CO	A1097A	1212	134A

1239431	USDA DRIVE UNIT	HEWLETT-PACKARD CO	UZZI/I	1212	111
587C	SCANNER/CONTROLLER	GENERAL SCANNING INC	CX6120	1212	1
58734	SCANNER/CONTROLLER	GENERAL SCANNING INC	CX6120	1212	113
1088370	COMPUTER, MICRO	APPLE COMPUTER INC	M5780IICI	1212	201
801303	LENS, ZOOM	FUJINON INC	A16X9.5BMD-D18	1212C	TUNN
1089733	CONTROL, CAMERA, TELEVISION	SONY CORP	DXC750	1212C	205
G074776	LASER, ARGON-ION	SPECTRA-PHYSICS	2040-15	1212C	LVLAB
G074868	TABLE, OPTICAL	NEWPORT/KLINGER FRMLY NEWP	XS26	1212C	LVLAB
G075245	OSCILLOSCOPE	TEKTRONIX INC	2467B	1212C	LVLAB
G075246	OSCILLOSCOPE	TEKTRONIX INC	2467B	1212C	LVLAB
G078532	PRINTER, ADP	HEWLETT-PACKARD CO	33449A	1212C	201
G078859	PROCESSOR, SIGNAL, MODULE	MACRODYNE INC	3100	1212C	201
G078860	PROCESSOR, SIGNAL, MODULE	MACRODYNE INC	3100	1212C	201
G078861	PROCESSOR, SIGNAL, MODULE	MACRODYNE INC	3100	1212C	201
G078862	POWER SUPPLY	MACRODYNE INC	3000	1212C	201
G078863	POWER SUPPLY	MACRODYNE INC	3000	1212C	201
G078864	GENERATOR, WAVEFORM, MODULE	MACRODYNE INC	3005	1212C	201
1256008	COMPUTER, MINI	HEWLETT-PACKARD CO	HP9000/433	1212C	201
G079008	SCANNER/CONTROLLER	GENERAL SCANNING INC	CX6120	1212C	211
G079009	SCANNER/CONTROLLER	GENERAL SCANNING INC	CX6120	1212C	211
G079379	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000PP	1212C	211
G079380	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000PP	1212C	211
G079381	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000PP	1212C	211
G079382	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000PP	1212C	211
G079383	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000PP	1212C	211
G079385	CONTROLLER, POSITIONER	KLINGER SCIENTIFIC CORP	MC4	1212C	211
G079386	AMPLIFIER, POWER	KLINGER SCIENTIFIC CORP	MD4	1212C	211
G079387	AMPLIFIER, POWER	KLINGER SCIENTIFIC CORP	MD4	1212C	211
G079388	CONTROLLER, SYNCHRONIZATION	KLINGER SCIENTIFIC CORP	SU2	1212C	211
G079389	CONTROLLER, SYNCHRONIZATION	KLINGER SCIENTIFIC CORP	SU2	1212C	211
G079598	WORKSTATION, GRAPHICS	HEWLETT-PACKARD CO	98735X	1212C	201

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
G079732	CONTROLLER, POSITIONER	NEWPORT/KLINGER FRMLY NEWP	860C2	1212C	LASLB
G079804	PUMP, WATER	PULSAFEEDER, INC.	90	1212C	LASLB
20143	FREQUENCY SHIFTER, LASER	TSI INC F-THERMO-SYSTEMS INC	9186A	1212C	LASLB
20487	ILLUMINATOR, LASER FIBER	NEWPORT/KLINGER FRMLY NEWP	FLF145	1212C	LASLB
20909	ROTATOR, POLARIZATION	TSI INC F-THERMO-SYSTEMS INC	9102-12	1212C	LASLB
20910	EXPANDER, LASER BEAM	TSI INC F-THERMO-SYSTEMS INC	9189	1212C	LVLAB
20911	RECEIVER, OPTICAL	TSI INC F-THERMO-SYSTEMS INC	9140A	1212C	LVLAB
20912	COUPLER, FIBER OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
20913	COUPLER, FIBER OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
20916	POWER SUPPLY	TSI INC F-THERMO-SYSTEMS INC	9165	1212C	LVLAB
21260	ILLUMINATOR, LASER FIBER	NEWPORT/KLINGER FRMLY NEWP	F-LFI	1212C	LASLB
21661	STAGE, ROTATION	NEWPORT/KLINGER FRMLY NEWP	495	1212C	LASLB
52591	DOWNMIXER/SIGNAL SPLITTER	TSI INC F-THERMO-SYSTEMS INC	9186A	1212C	LASLB
52592	BRAGG CELL	TSI INC F-THERMO-SYSTEMS INC	9182-3A	1212C	LVLAB
53437	PRINTER, ADP	HEWLETT-PACKARD CO	2564B	1212C	0.201
53453	REPEATER, NETWORK	HEWLETT-PACKARD CO	28645A	1212C	202
53454	CABINET, EQUIPMENT	HEWLETT-PACKARD CO	29402C	1212C	300
53457	RECORDER, TAPE, DIGITAL	HEWLETT-PACKARD CO	7980A	1212C	0.201
1158086	CARD CAGE	MACRODYNE INC	3030	1212C	0.202
61140	LASER, ARGON-ION	SPECTRA-PHYSICS	2030-15	1212C	LVLAB
139159	PHOTOMULTIPLIER	TSI INC F-THERMO-SYSTEMS INC	9162	1212C	LASLB
139160	PHOTOMULTIPLIER	TSI INC F-THERMO-SYSTEMS INC	9162	1212C	LASLB
139161	POWER SUPPLY	TSI INC F-THERMO-SYSTEMS INC	9165	1212C	LASLB
139162	POWER SUPPLY	TSI INC F-THERMO-SYSTEMS INC	9165	1212C	LASLB
464080	COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	1094	1212C	201
258418	CARD CAGE	MACRODYNE INDUSTRIES INC	3030-3	1212C	201
284572	LENS, LASER	RECON/OPTICAL INC PACIFIC	SK3539	1212C	LVLAB
284770	GENERATOR, AEROSOL, PORTABLE	PACIFIC SCIENTIFIC CO	256MODIFIED	1212C	LVLAB
411088	COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	1094	1212C	201
1259277	BREADBOARD, OPTICAL	NEWPORT/KLINGER FRMLY NEWP	XA48	1212C	LVLAB
464082	COUNTER, FREQUENCY	TSI INC F-THERMO-SYSTEMS INC	1094	1212C	201

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
533051	SIMULATOR, DOPPLER BURST	TSI INC F-THERMO-SYSTEMS INC	NONE	1212C	201
801942	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
801946	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
801947	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
801948	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
801949	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1212C	LVLAB
847203	FREQUENCY SHIFTER, LASER	TSI INC F-THERMO-SYSTEMS INC	9186A9180-3A	1212C	LVLAB
1083708	DISPLAY UNIT	HEWLETT-PACKARD CO	98754A	1212C	241
1084242	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000	1212C	211
1084243	STAGE, TRANSLATION	KLINGER SCIENTIFIC CORP	TCB200.1000	1212C	211
1085397	RECORDER, TAPE, ANALOG	HONEYWELL INC AEROSPACE DIV	97(16821992-001)	1212C	0.202
1089567	ROTATOR, POLARIZATION	TSI INC F-THERMO-SYSTEMS INC	9102-13	1212C	LASLB
1091574	TABLE, RAIL	PARKER-HANNIFIN CORP MOTION	5061151S-LN-N34	1212C	210
801307	ILLUMINATOR, LASER FIBER	NEWPORT/KLINGER FRMLY NEWP	F-LFI	1212C	LVLAB
1092580	PRINTER, ADP	QMS INC	PS815	1212C	204
801354	RECEIVER, OPTICAL	TSI INC F-THERMO-SYSTEMS INC	9140A	1212C	LASLB
801355	RECEIVER, OPTICAL	TSI INC F-THERMO-SYSTEMS INC	9140A	1212C	LASLB
801376	ROTATOR, POLARIZATION	SPECTRA-PHYSICS	310A	1212C	LASLB
1088375	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1212	201
G079384	STAGE, ROTATION	KLINGER SCIENTIFIC CORP	RT200	1218	113
143443	DISPLAY UNIT	SONY CORP	CPD1302P	1220	136
848854	PRINTER, ADP	APPLE COMPUTER INC	M6000	1220	209
1085854	PRINTER, ADP	HEWLETT-PACKARD CO	33449A	1220	136
1085855	PRINTER/PLOTTER	HEWLETT-PACKARD CO	C1602A	1220	209
1259122	DISPLAY UNIT	PHILIPS INFORMATION SYSTEMS	1764DC	1220	106
21034	POWER SUPPLY	FORCE COMPUTERS INC	SYS68K/PWR09A	1220	214D
801611	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	87	1220	214D
427187	ANALYZER, LOGIC	TEKTRONIX INC	DAS9103MODIFIED.	1220	214D
1255075	COMPUTER, MICRO	GATEWAY 2000	DESKTOP	1220	214D
1255048	DISPLAY UNIT	VIEWSONICS INC	TX2013MV	1220	214D
G077413	COMPUTER, MICRO	HEWLETT-PACKARD CO	QS20	1220	239

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
G077414	DISPLAY UNIT	HEWLETT-PACKARD CO	D1182A	1220	239
532628	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP35	1220	229
846456	CALCULATOR, ELECTRONIC	HEWLETT-PACKARD CO	HP28S	1220	229
1157985	PRINTER, ADP	QMS INC	PS860	1220	241
62154	DISK DRIVE UNIT	ARTECON INC	DSU1-600B	1220	241
1090128	COMPUTER, MICRO	SUN MICROSYSTEMS INC	147B	1220	240
1090129	COMPUTER, MICRO	SUN MICROSYSTEMS INC	147B	1220	240
1093446	COMPUTER, MINI	SUN MICROSYSTEMS INC	147B	1220	241
802375	DISK DRIVE UNIT	SEAGATE	ST4210N/ND	1220	240
846695	TAPE/DISK DRIVE UNIT	PARITY SYSTEMS INC	PS5013-60	1220	241
846943	DISPLAY UNIT	PHILIPS ELECTRONICS LTD	M3/60	1220	240
846989	DISPLAY UNIT	SONY CORP	RS423	1220	241
1093445	DISK DRIVE UNIT	SUN MICROSYSTEMS INC	411	1220	240
1089661	DISK DRIVE UNIT	COMPUTER SYSTEMS TECHNOLO	CST1600HT4JMR-SC	1220	241
1159016	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB001	1220	241
1091088	COMPUTER, MINI	SUN MICROSYSTEMS INC	47B	1220	241
1091089	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM1662B	1220	241
1092046	DISPLAY UNIT	SUN MICROSYSTEMS INC	M19P114	1220	241
1155685	DISK DRIVE UNIT	SUN MICROSYSTEMS INC	411	1220	241
801438	TRANSPORT, MAGNETIC TAPE	JMR ELECTRONICS INC	MZF002	1220	241
1155914	DISPLAY UNIT	KNIGHT COMPUTER SYSTEMS	MEDIAPRO	1220	241
1157156	COMPUTER, MICRO	SUN MICROSYSTEMS INC	47B	1220	228
1157158	COMPUTER, MICRO	SUN MICROSYSTEMS INC	47B	1220	241
1157155	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM1962B	1220	228
1157838	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM1962B	1220	241
1159017	DISPLAY UNIT	SILICON GRAPHICS INC	HL7965KWWSG	1220	241
G074373	COMPUTER, MICRO	AST RESEARCH INC	340	1220	214C
G078878	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	CZ805A	1220	214C
20915	PHOTOMULTIPLIER	TSI INC F-THERMO-SYSTEMS INC	9162	1221	116T
801950	COUPLER, FIBER, OPTICS	TSI INC F-THERMO-SYSTEMS INC	9271	1221	116T
55139	GENERATOR, AEROSOL, PORTABLE	PACIFIC SCIENTIFIC CO	256	1221	116T

EXHIBIT A

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
55901	POWER METER, LASER	NEWPORT/KLINGER FRMLY NEWP	CT210	1221	116T
58414	LASER, ARGON-ION	COHERENT INC COMPONENTS GR	INNOVA90	1221	116T
58417	POWER SUPPLY, LASER	COHERENT INC COMPONENTS GR	INNOVA90-6	1221	116T
1084882	POWER METER, LASER	COHERENT COMPONENT CORP	212	1221	116T
1089894	FREQUENCY SHIFTER, LASER	TSI INC F-THERMO-SYSTEMS INC	9186A	1221	116T
465782	FURNACE, HEAT TREATMENT	BURRELL CORP	LG15	1221C	BASM
777674	PLUG-IN, TIME BASE, O'SCOPE	TEKTRONIX INC	7B92A	1221C	BASM
G074034	COMPUTER, MICRO	GATEWAY 2000	AM424E25	1224T	902
1088088	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1404HMA2	1224T	902
1088880	COMPUTER, MINI	SILICON GRAPHICS INC	4D35TG	1224T	902
1428185	DISPLAY UNIT	SONY CORP	GDM20D11	1224T	902
1263680	DISK DRIVE UNIT	PINNACLE MICRO INC	REO650	1230	159
801269	CAMERA, TELEVISION	PULNIX AMERICA INC	TM845	1230	143
1087720	CAMERA, TELEVISION	PULNIX AMERICA INC	TM845/865	1230	143
1088298	RECORDER, OPTICAL DISK	MATSUSHITA ELEC INDUS CO	TO3038F	1230	103
21858	MONITOR, RADIATION	VICTOREEN INC NUCLEAR ASSOC	PRIMALERT	1230	193
1091913	VACUUM PUMP	ALCATEL VACUUM PRODUCTS DI	2004A	1230	193
1091914	VACUUM PUMP	VARIAN ASSOC MICROWAVE DIV	SD200	1230	193
1091916	PUMP, TURBO	VARIAN ASSOC MICROWAVE DIV	969-9012	1230	193
1089958	COMPUTER, MICRO	RAMTEK CORP	9465/03	1230	194
1089302	INTERFACE, NETWORK	TEKTRONIX INC	4511	1230	194
282286	PRINTER, ADP	HEWLETT-PACKARD CO	2225C	1230	165
1261898	COMPUTER, MICRO	ADVANCED DIGITAL SYSTEMS	NS1183D	1230	165
468241	GENERATOR, SIGNAL, FM-AM	HEWLETT-PACKARD CO	202H	1230	166
777690	PLUG-IN, COMPARTOR, O'SCOPE	TEKTRONIX INC	7A13	1230	166
G076292	COMPUTER, MICRO	APPLE COMPUTER INC	M5525	1230B	295
1092933	DISPLAY UNIT	RADIUS INC	GDM1971	1230B	295
57900	SCANNER, COMPUTER	APPLE COMPUTER INC	A9M0337	1230B	295
1085174	DISK DRIVE UNIT	PINNACLE MICRO INC	REO650	1230B	295
1156310	DISPLAY UNIT	RADIUS INC	GDM1971	1230B	159
61872	MONOCHROMATOR	ORIEL CORP F-ORIEL OPTICAL	7340	1230B	288

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1091922	VACUUM PUMPING SYSTEM	VARIAN ASSOC MICROWAVE DIV	TURBO V80	1230B	193
548821	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT240C	1230B	193
1083870	HEAT EXCHANGER	NESLAB INSTRUMENTS INC	SYSTEMIII	1230B	193
1085438	RECORDER, IMAGE, COLOR	FOCUS GRAPHICS INC	IC4700	1230B	193
1085439	CAMERA BACK, 8X10	RODENSTOCK	CB4717	1230B	193
1085440	CAMERA BACK, 35MM	RODENSTOCK	CB4710	1230B	193
1086074	MONITOR, TELEVISION	SONY CORP	PVM91	1230B	193
1086075	MONITOR, TELEVISION	SONY CORP	PVM91	1230B	193
1087481	DETECTOR, RADIATION	EBERLINE INSTRUMENT CORP	RM21-5	1230B	193A
1087833	MONITOR, RADIATION	VICTOREEN INC NUCLEAR ASSOC	PRIMALERT35	1230B	193C
1091911	RECIRCULATOR, COOL WATER	NESLAB INSTRUMENTS INC	CFT75	1230B	193
1091912	DETECTOR, X-RAY	ARACOR	QUEST	1230B	193
1091915	CONTROL UNIT	GLASSMAN HIGH VOLTAGE	PS/PG200N005	1230B	193
1091917	CONTROLLER, PROGRAMMABLE	NEWPORT/KLINGER FRMLY NEWP	PM500C	1230B	193
1091918	COMPUTER, MINI	DIGITAL EQUIPMENT CORP	PDP11/53	1230B	193
1091919	CONTROLLER	L & W RESEARCH INC	MICRONFOCUS200	1230B	193
1091920	PRESSURE GAUGE, COLD CATHODE	HPS CORP	941	1230B	193
1091921	PRESSURE GAUGE, PIRANI	HPS CORP	917	1230B	193
1091927	DISPLAY UNIT	NEC TECHNOLOGIES INC	JC1402HMA	1230B	193
1091923	MATERIAL TEST SYSTEM	MTS SYSTEMS CORP	NONE	1230B	193
1089957	DISPLAY UNIT	MITSUBISHI ELECTRIC CORP	M201C	1230B	195
1091909	CHILLER, WATER	NESLAB INSTRUMENTS INC	HX150DD	1230B	193
1091928	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT330	1230B	193
1093260	COMPUTER, MICRO	APPLE COMPUTER INC	M4200	1230B	296
1093261	DISPLAY UNIT	RADIUS INC	GDM1971	1230B	296
21857	MONITOR, RADIATION	VICTOREEN INC NUCLEAR ASSOC	PRIMALERT35	1230B	193B
G075315	COMPUTER, MICRO	SUN MICROSYSTEMS INC	147(4/65M1-8)	1230B	116
G075498	CHASSIS, EXPANSION	SIGMA INFORMATION SYSTEMS I	H116/2	1230B	295
G075500	CHASSIS, EXPANSION	SIGMA INFORMATION SYSTEMS I	H189	1230B	194
1262359	COMPUTER, MICRO	APPLE COMPUTER INC	M4300	1230B	295
1262358	DISPLAY UNIT	RADIUS INC	381	1230B	295

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1424331	COMPUTER, MINI	SUN MICROSYSTEMS INC	544	1230B	295
1424330	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM20D10	1230B	295
1085291	DISPLAY UNIT	SONY CORP	GDM1950	1230B	297
1091183	COMPUTER, MICRO	APPLE COMPUTER INC	M4200	1230B	186
1091665	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM1962B	1230B	116
1088731	DISK DRIVE UNIT	PINNACLE MICRO INC	REO650	1230B	163
142422	PRINTER, ADP	EPSON AMERICA INC	P82AA(FX86E)	1230B	0.115
60742	DISPLAY UNIT	SONY CORP	GDM1952	1230B	194
61784	PRINTER, ADP	APPLE COMPUTER INC	M6000	1230B	167
142170	COMPUTER, MICRO	APPLE COMPUTER INC	M5000	1230B	194
142751	COMPUTER, MICRO	APPLE COMPUTER INC	M5030	1230B	195
1089303	PRINTER, ADP	TEKTRONIX INC	4694	1230B	194
467634	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT125AA	1230B	915
847251	DISK DRIVE UNIT	APPLE COMPUTER INC	M2688	1230B	194
1261512	PRINTER, ADP	NEW GENERATION SYSTEM INC	PS/660B	1230B	167
1257673	DISK DRIVE UNIT	PINNACLE MICRO INC	REO6500	1230B	195
1091689	DISK DRIVE UNIT	PINNACLE MICRO INC	REO1300	1230B	194
1092985	COMPUTER, MICRO	APPLE COMPUTER INC	M5409	1230B	195
1093226	TRANSPORT, MAGNETIC TAPE	WINCHESTER SYSTEMS INC	DSFTUSB1TY	1230B	195
G076040	COMPUTER, MICRO	APPLE COMPUTER INC	M5525	1230B	165
1083538	COMPUTER, MICRO	GATEWAY 2000	386/33	1230B	165
1083539	DISPLAY UNIT	GATEWAY 2000	PMV14VC	1230B	165
1093353	DISPLAY UNIT	RADIUS INC	GDM1971	1230B	165
G074747	MICROSCOPE, STEREO	S-T IND F-SCHERR-TUMICO INC	661921	1230B	286
54555	SHIFTER, PHASE, OPTICAL	SAGE LABORATORIES INC	6801-2	1230B	189
54802	COUNTER, FREQUENCY	HEWLETT-PACKARD CO	5386A	1230B	189
55895	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	8060A	1230B	288
56956	PREAMPLIFIER, DC	EG AND G INC	113	1230B	288
57194	POLISHING MACHINE	BUEHLER LTD	69-3000-160	1230B	288
139096	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7440A	1230B	189
141288	DISK DRIVE UNIT	APPLE COMPUTER INC	M2620	1230B	288

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1424133	COOLER, THERMOELECTRIC	PRODUCTS FOR RESEARCH INC	TE177RF	1230B	288
550808	LIGHT CHOPPER	PRINCETON APPLIED RESEARCH	222	1230B	288
1261663	OSCILLOSCOPE, PORTABLE	TEKTRONIX INC	2252	1230B	291
G078537	DISPLAY UNIT	HITACHI MFG CO	CM2186A3UY	1230B	166
G078540	COMPUTER, MICRO	APPLE COMPUTER INC	M5525	1230B	166
20394	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	8050A	1230B	166
20648	POWER SUPPLY	LAMBDA ELECTRONICS	LPT7202FM	1230B	166
20955	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	87	1230B	166
142412	DISK DRIVE UNIT	APPLE COMPUTER INC	M2644	1230B	166
259414	CABINET, EQUIPMENT	HEWLETT-PACKARD CO	29402C	1230B	166
282436	MULTIMETER, DIGITAL	HEWLETT-PACKARD CO	3478A	1230B	166
427292	GENERATOR, VARIABLE PHASE	HEWLETT-PACKARD CO	203A	1230B	166
1425792	SYSTEM, EXPOSURE, DOUBLE SIDED	COLIGHT INC F-COLIGHT PHOTO-	M218	1230B	167
467203	OSCILLOSCOPE, GENERAL PURPOSE	TEKTRONIX INC	2215	1230B	166
467840	AMPLIFIER, ELECTROMETER	KEITHLEY INSTRUMENTS INC	604	1230B	166
467922	STANDARD, VOLTAGE	FLUKE JOHN MFG CO INC	515A	1230B	166
468563	VOLTMETER, DIGITAL	HEWLETT-PACKARD CO	3455A	1230B	166
469708	ANALYZER, LOGIC	TEKTRONIX INC	7D01F	1230B	166
470924	VOLTMETER, DIFFERENTIAL	FLUKE JOHN MFG CO INC	887AB	1230B	166
1262901	PROCESSING MACHINE, BLUEPRINT	TOTAL SYSTEMS CONCEPT INC	BTD201B	1230B	167
G074282	SURVEY METER	VICTOREEN INC NUCLEAR ASSOC	493	1230B	193A
G074283	SURVEY METER	VICTOREEN INC NUCLEAR ASSOC	493	1230B	193A
G075049	MONITOR, TELEVISION	SONY CORP	PVM91PAC	1230B	193A
G075050	MONITOR, TELEVISION	SONY CORP	PVM91PAC	1230B	193
G075517	MONITOR, RADIATION	NUCLEAR RESEARCH CORP	NP2	1230B	193A
G078717	COMPUTER, MICRO	APPLE COMPUTER INC	M5525IIFX	1230B	193A
G078718	DISPLAY UNIT	SONY CORP	GDM1950	1230B	193A
21133	CAMERA, TELEVISION	SONY CORP	SSC-D5	1230B	193
21134	CAMERA, TELEVISION	SONY CORP	SSC-D5	1230B	193
21611	CAMERA, TELEVISION	SONY CORP	SSC-D5	1230B	193
21612	CAMERA, TELEVISION	SONY CORP	SSC-D5	1230B	193

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
803540	DISK DRIVE UNIT	FUJITSU LTD	DYNAM0128	1230B	288
803541	DISK DRIVE UNIT	FUJITSU LTD	DYNAM0128	1230B	288
258321	DISK DRIVE UNIT	HEWLETT-PACKARD CO	9122D	1230B	291
258940	COMPUTER, MICRO	APPLE COMPUTER INC	M0001	1230B	288
281554	OSCILLOSCOPE, PORTABLE	TEKTRONIX INC	2235L	1230B	291
403898	CLOCK, DIGITAL	HEWLETT-PACKARD CO	59309A	1230B	291
403902	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7470A MODIFIED	1230B	288
427288	GENERATOR, SIGNAL	WAVETEK SAN DIEGO INC	3002	1230B	288
429693	COMPUTER, MICRO	HEWLETT-PACKARD CO	HP85A	1230B	291
465727	OSCILLOSCOPE, GENERAL PURPOSE	TEKTRONIX INC	7904	1230B	189
468225	GENERATOR, TRACKING	HEWLETT-PACKARD CO	8444A	1230B	291
777174	SAMPLING HEAD	TEKTRONIX INC	S6	1230B	189
848972	DISK DRIVE UNIT	HEWLETT-PACKARD CO	7959B	1230B	191
1083775	COUNTER, FREQUENCY	HEWLETT-PACKARD CO	5385A	1230B	288
1084536	ATTENUATOR, OPTICAL	HEWLETT-PACKARD CO	8158B	1230B	189
1084606	DISK DRIVE UNIT	HEWLETT-PACKARD CO	9122C	1230B	191
21699	MICROSCOPE, PORTABLE	BUEHLER LTD	0801-9505	1230B	288
1091040	COMPUTER, MICRO	APPLE COMPUTER INC	M5920	1230B	288
1091042	DISK DRIVE UNIT	PINNACLE MICRO INC	REQ650	1230B	288
1091039	DISPLAY UNIT	APPLE COMPUTER INC	M3502	1230B	288
G076146	COMPUTER, MICRO	GATEWAY 2000	386	1230B	289
62443	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHI	8514	1230B	289
G075880	COMPUTER, MICRO	APPLE COMPUTER INC	M5650	1230B	165
55098	DISK DRIVE UNIT	RODIME INC	S45 +	1230B	165
57027	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	77	1230B	165
57214	DISPLAY UNIT	SONY CORP OF AMERICA	II (SONY GDM1952)	1230B	165
143597	COMPUTER, MICRO	APPLE COMPUTER INC	M5000	1230B	192
35772	CONTROLLER, MOTOR	AMERICAN PRECISION INDUSTRIE	P261X-M233	1230B	165
35774	CONTROLLER, MOTOR	AMERICAN PRECISION INDUSTRIE	P261X-M233	1230B	165
464015	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	8600A	1230B	165
465691	OSCILLOSCOPE, GENERAL PURPOSE	TEKTRONIX INC	2215	1230B	165

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
G074230	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	77	1230B	166
259402	COMPUTER, MICRO	APPLE COMPUTER INC	M0001	1230B	157
259411	SYNTHESIZER, FREQUENCY	HEWLETT-PACKARD CO	3335A	1230B	166
259415	POWER SUPPLY	HEWLETT-PACKARD CO	8418B	1230B	166
259992	DISPLAY, POLAR	HEWLETT-PACKARD CO	8414B	1230B	166
259993	ANALYZER, NETWORK	HEWLETT-PACKARD CO	8410C	1230B	166
259994	PHASE METER	HEWLETT-PACKARD CO	8412B	1230B	166
467677	COUNTER, FREQUENCY	HEWLETT-PACKARD CO	5245L	1230B	166
467885	VOLTMETER, DIFFERENTIAL	HEWLETT-PACKARD CO	740B	1230B	166
473655	METER, IMPEDANCE, VECTOR	HEWLETT-PACKARD CO	4800A	1230B	166
527402	COUNTER, FREQUENCY	HEWLETT-PACKARD CO	5245L	1230B	166
530604	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	8120A	1230B	166
801645	CONVERTER, FREQUENCY	TEKTRONIX INC	DC505A	1230B	166
801646	GENERATOR, SQUARE WAVE	TEKTRONIX INC	PG506	1230B	166
801169	ANALYZER, SPECTRUM, PLUG-IN	TEKTRONIX INC	7L13	1230B	166
802160	DISK DRIVE UNIT	PINNACLE MICRO INC	PM0650	1230T	306
1254905	COMPUTER, MICRO	SUN MICROSYSTEMS INC	144	1230T	306
1254906	DISPLAY UNIT	SONY CORP	GDM1962B	1230T	306
848899	DISK DRIVE UNIT	APPLE COMPUTER INC	M2688	1230T	306
1083736	CHASSIS, EXPANSION	SIGMA INFORMATION SYSTEMS I	H189	1230T	306
1092020	COMPUTER, MICRO	APPLE COMPUTER INC	M4200	1230T	306
1092021	DISPLAY UNIT	RASTEROPS CORP	GDM1950	1230T	306
1091862	DISK DRIVE UNIT	MAC DIRECT	F330	1230T	306
1255919	PRINTER, ADP	APPLE COMPUTER INC	M5890	1230T	HALL
1262839	COMPUTER, MICRO	GATEWAY 2000	4DX2-66	1230T	306
1089585	VOLTMETER, DIGITAL	HEWLETT-PACKARD CO	3455A	1232	116A
1089582	VOLTMETER, DIGITAL	HEWLETT-PACKARD CO	3455A	1232	116B
57736	POWER SUPPLY	LAMBDA ELECTRONICS	LQD421	1232	116D
58386	GENERATOR, FUNCTION	WAVETEK SAN DIEGO INC	191	1232	116A
60162	DISPLAY UNIT	SUN MICROSYSTEMS INC	M	1236	235
848777	COMPUTER, MICRO	SUN MICROSYSTEMS INC	147(4/60)	1236	235

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1156549	COMPUTER, MICRO	APPLE COMPUTER INC	M1700	1236	235
1156548	DISPLAY UNIT	SEIKO INSTRUMENTS USA	CM1445C	1236	235
55902	DISPLAY UNIT	COMMODORE BUSINESS MACHIN	1084	1244	142
56154	COMPUTER, MICRO	COMMODORE BUSINESS MACHIN	AMIGA2000	1244	142
258359	PRINTER, ADP	EPSON AMERICA INC	FX286	1244	142
803320	DISK DRIVE UNIT	IOMEGA	B2150A-UNI	1244	TUNN
1160122	COMPUTER, MICRO	GATEWAY 2000	SLIMLINE	1244T	.T5
1160121	DISPLAY UNIT	GATEWAY 2000	PMV1448NI	1244T	.T5
1159670	PRINTER, ADP	TEXAS INSTRUMENTS INC EQUIP	3206	1244T	1
1427997	DISPLAY UNIT	SONY CORP	GDM1662B	1251	102A
G078908	DISPLAY UNIT	E-MACHINES INC	T16	1251	122
53672	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHII	5151-001	1251	143B
54819	COMPUTER, MICRO	INTELLIGENT MICRO SYSTEMS	286	1251	122
54846	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7596A	1251	122
60079	DISPLAY UNIT	SEIKO INSTRUMENTS USA	CM1430C	1251	122
60237	COMPUTER, MICRO	APPLE COMPUTER INC	M5000	1251	122
138247	CONTROL UNIT, SWITCHING	HEWLETT-PACKARD CO	3488A	1251	143B
1264430	COMPUTER, MICRO	ZEOS INTL LTD	PANTER90PDT	1251	122
1264429	DISPLAY UNIT	CTX INTL	1562ES	1251	122
1090366	CONTROLLER, FLOWFIELD SURVEY	WYLE LABORATORIES	NONE	1251	140B
1257713	CONTROLLER, INPUT/OUTPUT	NEFF INSTRUMENT CORP	470100	1251	122
283256	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHII	5153-001	1251	248
548334	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7475A	1251	122
1259425	COMPUTER, MICRO	ZEOS INTL LTD	486DX2-66T	1251	122
1259426	DISPLAY UNIT	CTX INTL	CMS1561	1251	122
1259488	COMPUTER, MICRO	INDUSTRIAL COMPUTER SOURCE	7408-23V	1251	122
1259489	DISPLAY UNIT	INDUSTRIAL COMPUTER SOURCE	9014R23V	1251	122
1423646	DIGITIZER, SCANNER	PRESSURE SYSTEMS INC	8425	1265	105
1423647	CALIBRATOR, PRESSURE	PRESSURE SYSTEMS INC	8432	1265	105
398868	PRINTER, ADP	APPLE COMPUTER INC	M0156	1267	125
1257429	DISPLAY UNIT	RADIUS INC	381	1267	108

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
848747	MODEM, COMMUNICATIONS	HAYES MICROCOMPUTER PRODU	231AA	1267	106
1084658	COMPUTER, MICRO	APPLE COMPUTER INC	M5525(11FX)	1267	125
1260407	DISK DRIVE UNIT	PINNACLE MICRO INC	TAHOE130	1267	125
G078468	COMPUTER, MICRO	HEWLETT-PACKARD CO	98581B310C	1267	119A
G078469	DISPLAY UNIT	HEWLETT-PACKARD CO	35741B	1267	119A
281449	DISK DRIVE UNIT	HEWLETT-PACKARD CO	9122D	1267	119A
1088878	COMPUTER, MINI	SILICON GRAPHICS INC	4D35TG	1268A	1158
1088879	DISPLAY UNIT	SILICON GRAPHICS INC	CM2086A3SG	1268A	1158
142701	EXPANSION BOX	DIGITAL EQUIPMENT CORP	BA23A	1287	
142706	COMPUTER, MINI	DIGITAL EQUIPMENT CORP	VS21V-L2	1287	
404549	VOLTMETER, DIGITAL	HEWLETT-PACKARD CO	3480C	1293A	266
419224	THERMOMETER, DIGITAL	FLUKE JOHN MFG CO INC	2100A06F01-02	1293A	106
550577	PLUG-IN, MULTI-FUNCTION, DVM	HEWLETT-PACKARD CO	3484A	1293A	266
1427573	PRINTER, ADP	APPLE COMPUTER INC	M2008	1293A	261
1085612	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1293A	261
1087047	PRINTER, ADP	APPLE COMPUTER INC	M6000	1293A	261
G078242	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC766	1293A	241
G078243	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC766	1293A	241
G078244	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000	1293A	241
1083702	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1293A	241
1083703	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1083704	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084107	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1293A	241
1084108	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084109	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084140	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1293A	241
1084141	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	MDB-DS2000SP0	1293A	241
1084142	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084143	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084144	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241
1084145	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN-SC	1293A	241

EXHIBIT A

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1085787	PROCESSOR, SIGNAL, GRAPHICS	ZONIC CORP	7000	1293A	241
1085788	PROCESSOR, SIGNAL, GRAPHICS	ZONIC CORP	7000	1293A	241
1085789	CABINET, EQUIPMENT	ZONIC CORP	A&D	1293A	241
1085790	PROCESSOR, SIGNAL, GRAPHICS	ZONIC CORP	7000	1293A	241
1085791	CABINET, EQUIPMENT	ZONIC CORP	A&D	1293A	241
1086962	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN	1293A	241
1086963	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	MDB-DS2CAN	1293A	241
1086964	CHASSIS, DISK DRIVE	ANDATA CO	MDB-DS2000-0	1293A	241
1087470	CHASSIS, DISK DRIVE	MOUNTAINGATE DATA SYSTEMS	DS2000SP0	1293A	241
1087471	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	DS2CAN-P-SCSI	1293A	241
1087472	DISK DRIVE UNIT	MOUNTAINGATE DATA SYSTEMS	DS2CAN-P-SCSI	1293A	241
419458	PRESS, PELLET	CARVER FRED S INC	21005-43	1293A	148
1427883	BATH, CONSTANT TEMPERATURE	HAAKE BUCHLER INSTRUMENTS I	C1	1293A	144
849361	DISPLAY UNIT	MITSUBA	710A	1293A	115
849362	COMPUTER, MICRO	NEC INFORMATION SYSTEMS INC	APC-H604E3U	1293A	115
849363	PRINTER, ADP	NEC INFORMATION SYSTEMS INC	P2200	1293A	115
849364	PROCESSOR	MITSUBISHI ELECTRIC CORP	CP100U	1293A	115
849365	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	APCH437	1293A	115
849366	MICROSCOPE	DIGITAL INSTRUMENTS INC	CA93117	1293A	115
1255298	CONDITIONER, LINE, AC	ELGAR CORP DIV OF ONAN CORP	6006B	1293A	115
1255299	CONDITIONER, LINE, AC	ELGAR CORP DIV OF ONAN CORP	6006B	1293A	115
1090239	COMPUTER, MICRO	APPLE COMPUTER INC	APL-A10860	1293B	237
1254520	DISPLAY UNIT	RASTEROPS CORP	1649	1293B	237
G079050	DISPLAY UNIT	APPLE COMPUTER INC	M0401	1293B	237
1085024	DISPLAY UNIT	SONY CORP	VRT19DA	1293B	237
1086233	COMPUTER, MICRO	DIGITAL EQUIPMENT CORP	VS43A-BL	1293B	237
1090235	COMPUTER, MICRO	APPLE COMPUTER INC	APL-A10860	1293B	237
G074559	RECORDER, CHART, STRIP	KONTRON ELECTRONICS	340	1293C	266
1090438	BATH, CONSTANT TEMPERATURE	CANNON INSTRUMENT CO	18MS	1293C	266
G078221	OSMOMETER	GONOTEC	90	1293C	266
G079647	CONTROLLER, GRADIENT	MILLIPORE CORP WATERS DIV	680	1293C	266

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
54142	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7440A	1293C	266
54256	PRINTER, ADP	EPSON AMERICA INC	FX286E	1293C	266
59140	INTERFACE	VISCOTEK	131	1293C	266
60074	REFRACTOMETER	MILLIPORE CORP WATERS DIV	M410	1293C	266
60127	CALORIMETER	PERKIN-ELMER CORP THE	DSC7	1293C	268
60128	ASSEMBLY, DRY BOX	PERKIN-ELMER CORP THE	DSC7	1293C	268
60129	REFRIGERATION SYSTEM	FTS SYSTEMS INC	FC60PEA	1293C	268
60130	PRINTER/PLOTTER	HEWLETT-PACKARD CO	7470A	1293C	268
61686	INTERFACE CONTROLLER	PERKIN-ELMER CORP THE	TAC7/3	1293C	268
61967	COMPUTER, MICRO	INTERNATIONAL BUSINESS MACHI	8550061	1293C	268
61968	DISPLAY UNIT	INTERNATIONAL BUSINESS MACHI	8513001	1293C	268
141584	SPECTROPHOTOMETER	PERKIN-ELMER CORP ETEC INC	C6880000	1293C	268
141585	PRINTER/PLOTTER	PERKIN-ELMER CORP ETEC INC	GP100	1293C	268
1264260	DISK DRIVE UNIT	LACIE LTD	TSUNAMI	1293C	261
1259377	SPECTROMETER	NICOLET INSTRUMENT CORP	MAGNA750	1293C	268
1259378	COMPUTER, MICRO	INTEL CORP	R486DX2664F	1293C	268
1259379	DISPLAY UNIT	CTX INTL	CMS1561LR	1293C	268
1422727	PRINTER, ADP	HEWLETT-PACKARD CO	C2168A	1293C	268
282297	PRINTER, ADP	EPSON AMERICA INC	FX80	1293C	268
282496	REFRACTOMETER	CHROMATIX	RMX16	1293C	266
284095	CHROMATOGRAPH, LIQUID	MILLIPORE CORP WATERS DIV	490	1293C	266
1425547	COMPUTER, MICRO	DIGITAL EQUIPMENT CORP	862WW	1293C	266
1425548	DISPLAY UNIT	DIGITAL EQUIPMENT CORP	PCXCV-AC	1293C	266
1089292	RECORDER, CHART, STRIP	SOLTEC CORP	DS6404	1293C	266
419482	ULTRAVIOLET RADIATION SYSTEM	MILLIPORE CORP WATERS DIV	440	1293C	266
419484	CHROMATOGRAPH, LIQUID	MILLIPORE CORP WATERS DIV	712WISP	1293C	266
419875	CHROMATOGRAPH, LIQUID	MILLIPORE CORP WATERS DIV	ALC/GPC202R401	1293C	266
419920	DESORBER, THERMAL	FOXBORO CO F-WILKS SCIENTIFIC	PTD132A	1293C	266
1424464	CONTROLLER, AUTOMATIC TEMPERAT	HARRICK SCIENTIFIC CORP	ATC30D	1293C	266
35476	SAMPLER, CONTACT	SPECTRA TECHNOLOGY INC	0050-290	1293C	266
1424680	REFLECTOR ASSEMBLY, SPECULAR	SPECTRA TECHNOLOGY INC	NONE (VERIFIED)	1293C	266

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EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
549763	PHOTOMETER, LIGHT SCATTERING	CHROMATIX	CMX100	1293C	266
1083508	COMPUTER, MICRO	MICROSERVE	386	1293C	266
1083509	DISPLAY UNIT	NEC INFORMATION SYSTEMS INC	JC1404HMA1	1293C	266
1083929	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7440A	1293C	268
1083930	SPECTROPHOTOMETER	PERKIN-ELMER CORP THE	1620FT-IR	1293C	268
1086001	OSMOMETER	GONOTEC	70	1293C	266
1086152	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7440A	1293C	266
1086155	VISCOMETER	VISCOTEK	100	1293C	266
1087043	COMPUTER, MICRO	APPLE COMPUTER INC	M5870(11CI)	1293C	261
1088604	PHOTOMETER, LIGHT SCATTERING	LDC ANALYTICAL	KMX6	1293C	266
1088681	CHROMATOGRAPH	MILLIPORE CORP WATERS DIV	150C	1293C	266
1089132	RECORDER, CHART, STRIP	SOLTEC CORP	1242	1293C	266
1089681	COMPUTER, MICRO	ALR	POWERFLEX40	1293C	261
1091134	PUMP, PERISTALTIC	RAININ INSTRUMENT CO INC	RABBIT39-701	1293C	266
1091883	VISCOMETER	VISCOTEK	150R	1293C	266
1092023	COMPUTER, MICRO	NEC INFORMATION SYSTEMS INC	PM380-1000(S/X161)	1293C	266
1092022	DISPLAY UNIT	RELISYS (SUB TECO ELEC & MAC	RE9514	1293C	266
115878	PUMP, CHROMATOGRAPHY	MILLIPORE CORP WATERS DIV	510	1293C	266
1158353	OVEN, AIR CONVECTION	BLUE M ELECTRIC CO	336	1293C	106
1158354	OVEN, AIR CONVECTION	BLUE M ELECTRIC CO	336	1293C	106
1158355	OVEN, AIR CONVECTION	BLUE M ELECTRIC CO	336	1293C	106
1255015	DISPLAY UNIT	PHILIPS CONSUMER ELECTRONICS	CM9089BE41	1293C	261
1262657	VACUUM PUMP	LEYBOLD-HERAEUS VACUUM PRO	D4A	1293C	271
53000	BALANCE, ANALYTICAL	METTLER INSTRUMENT CORP	AE240S	1293C	148
284458	MICROSCOPE, INFRARED	NICOLET INSTRUMENT CORP	0036-005	1293C	148
419456	SPECTROMETER	VARIAN ASSOC INSTRUMENT DIV	EM360A	1293C	148
419926	BEAM CONDENSER	NICOLET INSTRUMENT CORP	BC7000	1293C	268
20740	PLASTOMETER	TINIUS OLSEN TESTING MACHINE	NONE	1293C	144
54811	DISK DRIVE UNIT	JASMINE TECHNOLOGIES INC	DIRECT DRIVE80	1293C	144
60188	PRINTER, ADP	EPSON AMERICA INC	Q500	1293C	144
61267	PRINTER, ADP	OKIDATA CORP	GE5250B	1293C	144

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
1090693	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1293C	144
141063	MULTIMETER, DIGITAL	FLUKE JOHN MFG CO INC	8010	1293C	144
1256164	DISPLAY UNIT	CTX INTL	CMS1561	1293C	144
258846	CONTROLLER, PROGRAMMABLE	RESEARCH INC	828E	1293C	144
1255905	DISPLAY UNIT	APPLE COMPUTER INC	M1212	1293C	151
419247	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7470A	1293C	144
419394	RECORDER, CHART, STRIP	HEWLETT-PACKARD CO	7132A	1293C	144
419395	RHEOMETER	RHEOMETRICS INC	SYSTEM4	1293C	144
419450	MULTIMETER, DIGITAL	DATA PRECISION CORP	3500	1293C	144
419451	MULTIMETER, DIGITAL	DATA PRECISION CORP	3500	1293C	144
1256333	COMPUTER, MICRO	ZEOS INTL LTD	486DX2-66T	1293C	144
533582	DISPLAY UNIT	DIGITAL EQUIPMENT CORP	VR201C	1293C	144
533583	BOX, POWER SUPPLY/CONTROLLER	DIGITAL EQUIPMENT CORP	VS240A	1293C	144
1085059	PLOTTER, GRAPHICS	HEWLETT-PACKARD CO	7440A	1293C	144
1259288	COMPUTER, MICRO	GATEWAY 2000	BABY AT	1293C	144
1155867	INTERFACE, DIELECTROMETER	MICROMET INSTRUMENTS INC	330XJ	1293C	144
1155868	DIELECTROMETER	MICROMET INSTRUMENTS INC	SYSTEM3(310X)	1293C	144
1255203	PRINTER, ADP	TEXAS INSTRUMENTS INC EQUIP	3206	1293C	144
1259290	DISPLAY UNIT	GATEWAY 2000	CS1572FS	1293C	144
53661	SPINNER, PHOTORESISTIVE	HEADWAY RESEARCH INC	1EC101D-R435	1293C	267
1425415	PRINTER, ADP	APPLE COMPUTER INC	M2680	1293C	148
1425662	COMPUTER, MICRO	APPLE COMPUTER INC	M1688	1293C	148
1087162	SCANNER, COMPUTER	LACIE LTD	SILVERSCANNER	1293C	151
1087404	PRINTER, ADP	CAL COMP INC DIGITIZER PROD'S	6613PS	1293C	151
1093305	DISPLAY UNIT	RASTEROPS CORP	GDM1935	1293C	151
1259208	DISK DRIVE UNIT	PINNACLE MICRO INC	PMO650	1293C	151
1426273	COMPUTER, MICRO	DELL COMPUTER CORP F-PC'S LT	DPS	1293T	4
1426274	DISPLAY UNIT	DELL COMPUTER CORP F-PC'S LT	D1526T-HS	1293T	4
60536	PRINTER, ADP	APPLE COMPUTER INC	M6000	1293T	1
1259289	COMPUTER, MICRO	GATEWAY 2000	BABY AT	1293T	3
1259291	DISPLAY UNIT	GATEWAY 2000	CS1572FS	1293T	3

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
221369	READOUT, DIGITAL	SONY CORP	LM22S22R	1296	107
1092753	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1298	139
1092762	DISPLAY UNIT	RADIUS INC	TPD/19	1298	139
G078458	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT320	1298	102
1155680	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB001	1298	142
1155681	DISPLAY UNIT	SILICON GRAPHICS INC	HL7965KW-SG	1298	142
1155682	DISK DRIVE UNIT	SEAGATE	ST4767N	1298	142
1257338	COMPUTER, MICRO	APPLE COMPUTER INC	M1205	1298	116
847116	DISK DRIVE UNIT	APPLE COMPUTER INC	M2644	1298	116
1258860	DISPLAY UNIT	SONY CORP	2075RO	1298	116
G074350	PLAYER, OPTICAL DISK	MATSUSHITA ELEC INDUS CO	TQ3031	1298	144
G075005	PROCESSOR, SPEECH	SUN MICROSYSTEMS INC	PE200	1298	102
1092751	COMPUTER, MICRO	APPLE COMPUTER INC	M5780	1298	139
1092764	DISPLAY UNIT	RADIUS INC	TPD/19	1298	0.139
1157404	COMPUTER, MICRO	APPLE COMPUTER INC	M5870	1298	151
1257624	DISPLAY UNIT	RADIUS INC	350	1298	151
58091	COMPUTER, MICRO	APPLE COMPUTER INC	M5000	1298	143
58937	DISPLAY UNIT	SONY CORP	GDM1952SUPER MAC	1298	143
1258864	DISPLAY UNIT	SONY CORP	2075RO	1298	151
1257293	COMPUTER, MICRO	APPLE COMPUTER INC	M1205	1298	143
1258868	DISPLAY UNIT	SONY CORP	2075RO	1298	143
1085169	DISK DRIVE UNIT	CMS ENHANCEMENTS INC	PD80-1	1298	116
1257809	COMPUTER, MICRO	APPLE COMPUTER INC	M1205	1298	116
1428562	DISPLAY UNIT	SONY CORP	2075RO	1298	116
846102	CAMERA, TELEVISION	ELMO MFG CORP	EM102	1299	214
398720	CONTAINER, STORAGE	MITSUBISHI ELECTRIC CORP	NONE	1299	YARD
398721	CONTAINER, STORAGE	MITSUBISHI ELECTRIC CORP	NONE	1299	YARD
398723	CONTAINER, STORAGE	MITSUBISHI ELECTRIC CORP	NONE	1299	YARD
398724	CONTAINER, STORAGE	MITSUBISHI ELECTRIC CORP	NONE	1299	YARD
35488	RECORDER, CASSETTE, VIDEO	JVC CO OF AMERICA	BR-S800U	1299	114
533523	RECORDER, TAPE, VIDEO	RCA CORP GVMT & COMMERCIAL	UKT700	1299	114

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
848800	MONITOR, TELEVISION	SONY CORP	PVM1341	1299	114
1258369	COMPUTER, MICRO	SUN MICROSYSTEMS INC	144	1299	232
1427825	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM20D10	1299	234
1258538	DISK DRIVE UNIT	DYNAMIC COMPUTER PRODUCTS	NONE (VERIFIED)	1299	232
1258653	DISK DRIVE UNIT	MAXOPTIX CORP	711	1299	232
1258652	DISK DRIVE UNIT	MAXOPTIX CORP	711	1299	232
1258537	TRANSPORT, MAGNETIC TAPE	DYNAMIC COMPUTER PRODUCTS	MZL0-002	1299	232
1258249	TRANSPORT, MAGNETIC TAPE	ANDATA CO	X150A51JX252X	1299	232
1258250	DISK DRIVE UNIT	SUN MICROSYSTEMS INC	411	1299	232
802936	RECORDER, CASSETTE, VIDEO	MATSUSHITA ELEC INDUS CO	AG1970P	1299	232
1258283	RECORDER, CASSETTE, VIDEO	SONY CORP	EVO9500A	1299	232
1258365	MONITOR, TELEVISION	SONY CORP	PVM1340	1299	232
1258307	MONITOR, TELEVISION	SONY CORP	PVM1340	1299	232
1257988	RECORDER, CASSETTE, VIDEO	MATSUSHITA ELEC INDUS CO	AG7750P	1299	232
58675	DISPLAY UNIT	TEXAS MICROSYSTEMS INC	1005R	1299	237
1423842	COMPUTER, MINI	SUN MICROSYSTEMS INC	544	1299	226
1423843	DISPLAY UNIT	SUN MICROSYSTEMS INC	GDM20D10	1299	226
1158586	DISPLAY UNIT	J V C NIVICO VICTOR CO LTD	GD-H6116SFW	1299	237
802842	INTERFACE, NETWORK	FOURTH DIMENSION	FD1200T	1299	226
1158587	COMPUTER, MICRO	MUPAC CORP OF MUTRON CORP	5098SCF12FC100	1299	N1780
1158588	DISPLAY UNIT	J V C NIVICO VICTOR CO LTD	GD-H6116VFW	1299	N1780
1085005	DISPLAY UNIT	SONY CORP	GVM1300	1299	N1780
1085595	GENERATOR, TIME CODE	DATUM INC F-PERIPHERAL	9700	1299	1780
533462	TERMINAL, DATA PROCESSING	DIGITAL EQUIPMENT CORP	VT220B	1299	N1780
1158585	COMPUTER, MICRO	MUPAC CORP OF MUTRON CORP	5098SCF12FC100	1299	237
1426642	COMPUTER, MINI	SILICON GRAPHICS INC	CMNB007Y125	1299	214
1426643	DISPLAY UNIT	SONY CORP	GDM20D11	1299	214
56399	DISPLAY UNIT	APPLE COMPUTER INC	M0401	HOME	
1261274	COMPUTER, MICRO	DOLCH AMERICAN INSTRUMENTS	486-33MI	HOME	
1159573	DISPLAY UNIT	NEC AMERICA INC BROADCASTIN	JC1531VMA1	HOME	
1425534	SCANNER, COMPUTER	SONIX INC	X-Y	HOME	

EXHIBIT A

EQUIPMENT CONTROL NUMBER	EQUIPMENT DESCRIPTION	MANUFACTURER	MODEL NUMBER	BLDG	ROOM
35771	CONTROLLER, MOTOR	AMERICAN PRECISION INDUSTRIE	P261X-M233	HOME	
35773	CONTROLLER, MOTOR	AMERICAN PRECISION INDUSTRIE	P261X-M233	HOME	
1424712	COMPUTER, MICRO	DOLCH AMERICAN INSTRUMENTS	486-66C	HOME	
1261096	COMPUTER, MICRO	DOLCH AMERICAN INSTRUMENTS	DP486-33DX2	NOC	
1261097	SCANNER, COMPUTER	SONIX INC	NONE (VERIFIED)	NOC	

EXHIBIT B - CONTRACT DOCUMENTATION REQUIREMENTS

I. DOCUMENTATION PREPARATION/SUBMISSION INSTRUCTIONS

A. Financial Management Reports--The Contractor shall comply with the Section I clause of this contract entitled "NASA Contractor Financial Management Reporting" by monthly submission of NASA Form 533M for the overall contract and a separate 533M for each active task order. The form shall be prepared and submitted in accordance with the instructions set forth on the reverse side of the form and NASA Handbook "Procedures for Contractor Reporting of Correlated Cost and Performance Data" (NHB 9501.2) as further definitized below.

1. Due not later than the 10th operating day following the close of the Contractor's accounting period being reported.

2. Columns 8.a. and b. shall be completed using estimates (forecasts) for the succeeding two months.

3. Minimum reporting categories:

- 1) Direct Labor Hours
- 2) Indirect Labor Hours
- 3) Direct Labor Dollars
- 4) Indirect Labor Dollars
- 5) Overhead
- 6) Other Direct Costs
 - Subcontractors
 - Travel
 - Service Center ODC Allocation
 - Equipment
 - Materials
 - Publications
 - Computer Usage
 - Relocation
 - Miscellaneous
- 7) G&A

- 8) Total Cost
- 9) Facilities Capital Cost of Money (if applicable)
- 10) Award Fee
- 11) CPAF

4. Each 533M shall include a narrative explanation for variances exceeding 10 percent between planned hours/dollars and actual hours/dollars for each reporting category.

B. Quarterly Financial Management Report--The Contractor shall submit a quarterly financial report detailed by categories specified in A.4 above on NASA Form 533Q at times and in accordance with the instructions contained on the reverse side of the form. The initial 533Q shall be submitted within 10 operating days after award of the contract.

C. Safety and Health Plan--Within 30 days after contract award, the Contractor shall submit a detailed safety and health plan showing how the Contractor intends to protect the life, health, and well being of NASA and Contractor employees as well as property and equipment. This plan, as approved by the Contracting Officer, should contain, as a minimum the following:

1. Points of Contact and Responsibility--Organizational flow chart and description of responsibilities of each employee in your organization for safety.

2. Employee Safety Training, Certification and Programs--Detailed information on type of training required, parties responsible for certification, and outline of applicable regulations. Detail company programs which emphasize personal safety and motivate employees to be safety conscious.

3. LaRC Safety Policies/Procedures--Recognition of applicable LaRC safety policies and procedures such as Langley Handbook 1710.10, LaRC Red Tag System.

4. Accident Investigation and Reporting--Procedures for investigating and reporting accidents/incidents including immediate notification to the NASA LaRC Safety Manager of all injuries and damage to equipment or facilities.

5. Hazardous Operations--

(a) Description of hazardous operations involved in contract performance.

(b) Plans for apprising employees of all hazards to which they may be exposed.

(c) Proper conditions and precautions for safe use and exposure to hazardous operations. Include recognition of LHB 1710.12, Potentially Hazardous Materials.

6. People with Disabilities--In accordance with the Americans with Disabilities Act, the plans should specify that prior to assigning a person with disabilities to this contract, the Contractor shall contact the Disability Program Manager at (804) 864-7718.

7. Other Safety Considerations--Any other safety considerations unique to your operation.

D. Monthly Progress Report--The Contractor shall submit a monthly progress report summarizing technical progress at the contract level relative to plan. This report shall be submitted within 10 operating days following the end of the reporting period. (Task Order Progress Reports shall be submitted in accordance with requirements set forth in each task order.)

E. Quarterly Accident/Injury Report--The Contractor shall submit a Quarterly Accident/Injury Report within 10 operating days after the end of each quarter.

F. Conformable Wage Rate Agreement--Within 15 operating days after the effective date of the contract, the Contractor shall submit a report confirming conformable wage rate agreement as this subject is addressed in the Section I clause entitled "Service Contract Act of 1965," for those individuals employed by the Contractor who are covered by the Service Contract Act, but are not listed in Exhibit C.

G. Collective Bargaining Agreements--The Contractor shall provide the Contracting Officer with copies of any collective bargaining agreements, and amendments thereto, which arise during the course of the contract and which apply to Contractor employees assigned to the contract.

H. Subcontracting Reports--The Contractor shall submit Standard Form 294, Subcontracting Report for Individual Contracts and Standard Form 295, Summary Subcontractor Report, in accordance with the instructions on the reverse of the form.

I. Federal Contractor Veterans Employment Report--In compliance with Clause 52.222-37, Employment Reports on Special Disabled Veterans and Veterans of the Vietnam Era, the Contractor shall submit the Federal Contractor Veterans Employment Reports (VETS-100) as required by this clause.

J. Evidence of Insurance--The Contractor shall submit evidence of the insurance coverage, required by the NASA Clause 18-52.228-75 in Section I entitled "Minimum Insurance Coverage" (i.e., a Certificate of Insurance or other confirmation), to the Contracting Officer prior to performing under this contract. In the event the Government exercises its options to extend the term of the contract, the Contractor shall also present such evidence to the Contracting Officer prior to commencement of performance under the extension.

K. Virginia and Local Sales Taxes--In accordance with Section H.10, you are required to submit a copy of the letter sent to the Virginia Tax Commission and a copy of the subsequent response.

L. Electronic Task Order Status Data Base--The Contractor shall provide a data base containing monthly submissions of the reports listed in Paragraphs I.A, I.B and I.D of Exhibit B. The software used shall be compatible with Macintosh and/or DOS.

M. Conflict of Interest Plan--Within 15 operating days after the effective date of contract, the Contractor shall submit a Conflict of Interest Plan in accordance with the guidelines contained in Section H.12, Limitation of Future Contracting (NASA 18-52.209-71).

N. Security Plan for Unclassified Federal Computer Systems--The Contractor shall submit the Security Plan for Unclassified Federal Computer Systems in accordance with NASA FAR Supplement Clause 18-52.204-77 30 days after contract award.

O. Semiannual Progress Report for Small Disadvantaged Business (SDB) Goals--The Contractor shall submit a semiannual report on SDB goals as contained in Exhibit F.

P. Report of Government-Owned/Contractor Held Property (NASA Form 1018--The Contractor shall submit the NASA Form 1018 no later than October 31 of each year in accordance with the Section I clause entitled "Financial Reporting of Government-Owned/Contractor Held Property.

II. DOCUMENT DISTRIBUTION REQUIREMENTS

A. Unless otherwise specified elsewhere in this contract, reports and other documentation shall be submitted F.O.B. destination as specified below, addressed as follows:

National Aeronautics and Space Administration
Langley Research Center
Attn: _____, Mail Stop ____
Contract NAS1-96014
Hampton, VA 23681-0001

B. The following letter codes designate the recipients of reports and other documentation which are required to be delivered prepaid to Langley Research Center by the Contractor:

A--Contract Specialist, Mail Stop 126

B--Contracting Officer Technical Representative, Mail Stop 105

C--New Technology Representative, Mail Stop 212

D--Cost Accounting, Mail Stop 135

E--Safety Manager, Mail Stop 429

F--Industry Relations Office, Mail Stop 144

G--Programs and Resources Division, Mail Stop 104

H--Patent Counsel, Mail Stop 212

I--Industrial Property Office, Mail Stop 377

J--According to instructions on form

K--Small Business Specialist, Mail Stop 144

L--Task Technical Monitor (reports on Monitor's task(s) only)

C. The following are the distribution requirements for reports and other documentation required with the numeral following the letter code specifying the number of copies to be provided:

<u>DOCUMENT</u>	<u>LETTER CODE AND DISTRIBUTION</u>
Financial Management Report (NASA Forms 533M and 533Q)	A-1, B-2, D-2, G-1, L-1
Safety and Health Plan	A-1, B-1, E-1
Monthly Progress Report	A-1, B-3, L-1
Quarterly Accident/Injury Report	A-1, B-1, E-1
Conformable Wage Rate Agreement	A-1, B-1, F-1
Collective Bargaining Agreement	A-1, B-1, F-1
Subcontracting Report for Individual Contracts (Standard Form 294)	A-1, K-1
Summary Subcontractor Report (Standard Form 295)	A-1, J, K-1
Federal Contractor Veterans Employment Report (VETS-100)	F-1
Virginia and Local Sales Tax Correspondence	A-1
Electronic Task Order Status Data Base	A-1, B-1
Conflict of Interest Plan	A-1
Report of Government-Owned/Contractor Held Property (NASA Form 1018)	A-1, B-1, I-4
Security Plan for Unclassified Federal Computer Systems	A-2
Semi-Annual Progress Report for Small Disadvantaged Business (SDB) Goals	A-1, K-1

D. When the Contract Administrator (A) is not designated above to receive a copy of a report or document, the Contractor shall furnish a copy of the report/document transmittal letter to the Contract Administrator. The Contractor shall also furnish a copy of the transmittal letter and a copy of each Financial Management Report to the delegated Administrative Contracting Officer of the cognizant DoD (or other agency) contract administrative services component.

REGISTER OF WAGE DETERMINATIONS UNDER
THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON, D.C. 20210

Alan L. Moss, Director
Division of Wage Determinations

Wage Determination No.: 94-2544
Revision No.: 6
Date of Last Revision: 06/20/1995

State(s): North Carolina, Virginia

Area: NORTH CAROLINA COUNTIES OF CAMDEN, CHOWAN, CURRITUCK, GATES,
PASQUOTANK, PERQUIMANS.
VIRGINIA COUNTIES OF CHESAPEAKE, GLOUCESTER, HAMPTON, ISLE OF WIGHT,
JAMES CITY, MATHEWS, NEWPORT NEWS, NORFOLK, POQUOSON, PORTSMOUTH,
SOUTHAMPTON, SUFFOLK, SURRY, VIRGINIA BEACH, WILLIAMSBURG, YORK.

** Fringe Benefits Required For All Occupations Included In
This Wage Determination Follow The Occupational Listing **

OCCUPATION CODE AND TITLE	MINIMUM HOURLY WAGE
ADMINISTRATIVE SUPPORT AND CLERICAL:	
01011 Accounting Clerk I	\$ 6.75
01012 Accounting Clerk II	\$ 8.52
01013 Accounting Clerk III	\$ 9.95
01014 Accounting Clerk IV	\$ 10.75
01030 Court Reporter	\$ 9.81
01050 Dispatcher, Motor Vehicle	\$ 8.03
01060 Document Preparation Clerk	\$ 8.08
01090 Duplicating Machine Operator	\$ 8.08
01110 Film/Tape Librarian	\$ 8.46
01115 General Clerk I	\$ 6.02
01116 General Clerk II	\$ 7.42
01117 General Clerk III	\$ 8.54
01118 General Clerk IV	\$ 9.58
01120 Housing Referral Assistant	\$ 10.42
01131 Key Entry Operator I	\$ 7.32
01132 Key Entry Operator II	\$ 9.24
01191 Order Clerk I	\$ 7.32
01192 Order Clerk II	\$ 9.59
01220 Order Filler	\$ 8.46
01261 Personnel Assistant (Employment) I	\$ 8.65
01262 Personnel Assistant (Employment) II	\$ 10.03
01263 Personnel Assistant (Employment) III	\$ 10.75
01264 Personnel Assistant (Employment) IV	\$ 12.06
01270 Production Control Clerk	\$ 10.42
01290 Rental Clerk	\$ 8.46
01300 Scheduler, Maintenance	\$ 8.46
01301 Secretary I	\$ 8.46
01302 Secretary II	\$ 9.81
01313 Secretary III	\$ 10.42
01314 Secretary IV	\$ 11.41
01315 Secretary V	\$ 11.96
01320 Service Order Dispatcher	\$ 8.46
01341 Stenographer I	\$ 8.78

01342	Stenographer II	\$ 9.86
01400	Supply Technician	\$ 10.00
01420	Survey Worker(Interviewer)	\$ 9.81
01460	Switchboard Operator- Receptionist	\$ 8.08
01531	Travel Clerk I	\$ 6.31
01532	Travel Clerk II	\$ 6.69
01533	Travel Clerk III	\$ 7.06
01551	Typist I	\$ 7.42
01552	Typist II	\$ 8.92
01611	Word Processor I	\$ 8.73
01612	Word Processor II	\$ 9.80
01613	Word Processor III	\$ 10.97

AUTOMATIC DATA PROCESSING:

03010	Computer Data Librarian	\$ 8.26
03041	Computer Operator I	\$ 8.26
03042	Computer Operator II	\$ 9.58
03043	Computer Operator III	\$ 11.83
03044	Computer Operator IV	\$ 13.70
03045	Computer Operator V	\$ 14.56
03071	Computer Programmer I 1/	\$ 11.02
03072	Computer Programmer II 1/	\$ 13.62
03073	Computer Programmer III 1/	\$ 16.20
03074	Computer Programmer IV 1/	\$ 19.39
03101	Computer Systems Analyst I 1/	\$ 17.62
03102	Computer Systems Analyst II 1/	\$ 20.23
03103	Computer Systems Analyst III 1/	\$ 23.23
03160	Peripheral Equipment Operator	\$ 8.26

AUTOMOTIVE SERVICE:

05005	Automobile Body Repairer, Fiberglass	\$ 14.05
05010	Automotive Glass Installer	\$ 12.82
05040	Automotive Worker	\$ 12.82
05070	Electrician, Automotive	\$ 13.42
05100	Mobile Equipment Servicer	\$ 11.59
05130	Motor Equipment Metal Mechanic	\$ 14.05
05160	Motor Equipment Metal Worker	\$ 12.82
05190	Motor Vehicle Mechanic	\$ 14.05
05220	Motor Vehicle Mechanic Helper	\$ 10.95
05250	Motor Vehicle Upholstery Worker	\$ 12.82
05280	Motor Vehicle Wrecker	\$ 12.82
05310	Painter, Automotive	\$ 13.42
05340	Radiator Repair Specialist	\$ 12.82
05370	Tire Repairer	\$ 11.59
05400	Transmission Repair Specialist	\$ 14.05

FOOD PREPARATION AND SERVICE:

07010	Baker	\$ 8.68
07041	Cook I	\$ 7.85
07042	Cook II	\$ 8.68
7070	Dishwasher	\$ 6.05
7100	Food Service Worker	\$ 6.05
07130	Meat Cutter	\$ 8.68
07250	Waiter/Waitress	\$ 6.58

FURNITURE MAINTENANCE AND REPAIR:

9010 Electrostatic Spray Painter	\$ 13.42
09040 Furniture Handler	\$ 10.95
09070 Furniture Refinisher	\$ 13.42
09100 Furniture Refinisher Helper	\$ 10.95
09110 Furniture Repairer, Minor	\$ 12.19
09130 Upholsterer	\$ 13.42

GENERAL SERVICES AND SUPPORT:

11030 Cleaner, Vehicles	\$ 6.05
11060 Elevator Operator	\$ 6.05
11090 Gardener	\$ 7.75
11121 Housekeeping Aide I	\$ 5.93
11122 Housekeeping Aide II	\$ 6.49
11150 Janitor	\$ 6.05
11180 Laborer	\$ 9.68
11210 Laborer, Grounds Maintenance	\$ 6.58
11240 Maid or Houseman	\$ 5.52
11270 Pest Controller	\$ 8.25
11300 Refuse Collector	\$ 6.05
11360 Window Cleaner	\$ 6.58

HEALTH:

12010 Ambulance Driver	\$ 8.75
12040 Emergency Medical Technician	\$ 9.13
12070 Licensed Practical Nurse	\$ 8.82
00 Medical Assistant	\$ 7.38
12130 Medical Laboratory Technician	\$ 7.88
12160 Medical Record Clerk	\$ 7.88
12190 Medical Record Technician	\$ 10.92
12220 Nursing Assistant	\$ 7.02
12250 Pharmacy Technician	\$ 9.83
12280 Phlebotomist	\$ 7.88
12311 Registered Nurse I	\$ 10.92
12312 Registered Nurse II	\$ 13.36
12313 Registered Nurse II, Specialist	\$ 13.36
12314 Registered Nurse III	\$ 16.16
12315 Registered Nurse III, Anesthetist	\$ 16.16
12316 Registered Nurse IV	\$ 19.37

INFORMATION AND ARTS:

13002 Audiovisual Librarian	\$ 14.56
13011 Exhibits Specialist I	\$ 13.06
13012 Exhibits Specialist II	\$ 15.87
13013 Exhibits Specialist III	\$ 17.63
13041 Illustrator I	\$ 13.06
13042 Illustrator II	\$ 15.87
13043 Illustrator III	\$ 17.63
13050 Library Technician	\$ 11.02
13071 Photographer I	\$ 10.40
13072 Photographer II	\$ 13.06
13073 Photographer III	\$ 15.87
13074 Photographer IV	\$ 17.63
13075 Photographer V	\$ 21.32

LAUNDRY, DRY CLEANING, PRESSING:

15010 Assembler	\$ 5.18
15030 Counter Attendant	\$ 5.18
15040 Dry Cleaner	\$ 6.30
15070 Finisher, Flatwork, Machine	\$ 5.18
15090 Presser, Hand	\$ 5.18
15100 Presser, Machine, Dry Cleaning	\$ 5.18
15130 Presser, Machine, Shirts	\$ 5.18
15160 Presser, Machine, Wearing Apparel, Laundry	\$ 5.18
15190 Sewing Machine Operator	\$ 6.71
15220 Tailor	\$ 7.11
15250 Washer, Machine	\$ 5.57

MACHINE TOOL OPERATION AND REPAIR:

19010 Machine-tool Operator (Toolroom)	\$ 14.05
19040 Tool and Die Maker	\$ 15.57

MATERIALS HANDLING AND PACKING:

21010 Fuel Distribution System Operator	\$ 12.82
21020 Material Coordinator	\$ 12.19
21030 Material Expediter	\$ 12.19
21040 Material Handling Laborer	\$ 7.44
21071 Forklift Operator	\$ 9.05
21100 Shipping/Receiving Clerk	\$ 8.85
21130 Shipping Packer	\$ 8.85
21150 Stock Clerk	\$ 8.85
21210 Tools and Parts Attendant	\$ 10.95
21400 Warehouse Specialist	\$ 10.54

MECHANICS AND MAINTENANCE AND REPAIR:

23010 Aircraft Mechanic	\$ 14.05
23040 Aircraft Mechanic Helper	\$ 10.95
23060 Aircraft Servicer	\$ 12.19
23070 Aircraft Worker	\$ 12.82
23100 Appliance Mechanic	\$ 13.42
23120 Bicycle Repairer	\$ 11.59
23125 Cable Splicer	\$ 14.05
23130 Carpenter, Maintenance	\$ 13.42
23140 Carpet Layer	\$ 13.42
23160 Electrician, Maintenance	\$ 15.57
23181 Electronics Technician, Maintenance I	\$ 13.99
23182 Electronics Technician, Maintenance II	\$ 14.31
23183 Electronics Technician, Maintenance III	\$ 15.33
23260 Fabric Worker	\$ 12.19
23290 Fire Alarm System Mechanic	\$ 14.05
23310 Fire Extinguisher Repairer	\$ 11.59
23340 Fuel Distribution System Mechanic	\$ 14.05
23370 General Maintenance Worker	\$ 8.75
23400 Heating, Refrigeration and Air Conditioning Mechanic	\$ 14.05

23430	Heavy Equipment Mechanic	\$ 14.05
23460	Instrument Mechanic	\$ 14.05
23500	Locksmith	\$ 13.42
23530	Machinery Maintenance Mechanic	\$ 14.05
23550	Machinist, Maintenance	\$ 14.05
23580	Maintenance Trades Helper	\$ 10.95
23640	Millwright	\$ 14.05
23700	Office Appliance Repairer	\$ 13.42
23740	Painter, Aircraft	\$ 13.42
23760	Painter, Maintenance	\$ 13.42
23790	Pipefitter, Maintenance	\$ 14.05
23800	Plumber, Maintenance	\$ 13.42
23820	Pneudraulic Systems Mechanic	\$ 14.05
23850	Rigger	\$ 14.05
23870	Scale Mechanic	\$ 12.82
23890	Sheet-metal Worker, Maintenance	\$ 14.05
23910	Small Engine Mechanic	\$ 12.82
23930	Telecommunications Mechanic I	\$ 14.05
23940	Telecommunications Mechanic II	\$ 15.22
23950	Telephone Lineman	\$ 14.05
23960	Welder, Combination, Maintenance	\$ 14.05
23965	Well Driller	\$ 14.05
23970	Woodcraft Worker	\$ 14.05
23980	Woodworker	\$ 12.22

PERSONAL NEEDS:

2370	Child Care Attendant	\$ 6.01
23600	Chore Aide	\$ 4.91
24630	Homemaker	\$ 8.33

PLANT AND SYSTEM OPERATION:

25010	Boiler Tender	\$ 14.05
25040	Sewage Plant Operator	\$ 13.42
25070	Stationary Engineer	\$ 14.05
25190	Ventilation Equipment Tender	\$ 10.95
25210	Water Treatment Plant Operator	\$ 13.42

PROTECTIVE SERVICE:

27004	Alarm Monitor	\$ 7.21
27010	Court Security Officer	\$ 9.68
27040	Detention Officer	\$ 9.68
27070	Firefighter	\$ 10.50
27101	Guard I	\$ 6.03
27102	Guard II	\$ 7.21
27130	Police Officer	\$ 12.28

TECHNICAL:

29010	Air Traffic Control 2/ Specialist, Center	\$ 21.67
29011	Air Traffic Control 2/ Specialist, Station	\$ 14.94
29012	Air Traffic Control 2/ Specialist, Terminal	\$ 16.46
29020	Archeological Technician	\$ 15.87
29030	Cartographic Technician	\$ 15.87
29040	Civil Engineering Technician	\$ 15.87

29061	Drafter I	\$ 9.24
29062	Drafter II	\$ 10.40
29063	Drafter III	\$ 13.06
29064	Drafter IV	\$ 15.87
29070	Embalmer	\$ 17.63
29081	Engineering Technician I	\$ 10.36
29082	Engineering Technician II	\$ 11.63
29083	Engineering Technician III	\$ 13.02
29084	Engineering Technician IV	\$ 16.12
29085	Engineering Technician V	\$ 19.72
29086	Engineering Technician VI	\$ 23.86
29090	Environmental Technician	\$ 15.87
29210	Laboratory Technician	\$ 11.83
29240	Mathematical Technician	\$ 15.87
29330	Mortician	\$ 17.63
29390	Photooptics Technician	\$ 15.87
29480	Technical Writer	\$ 15.02
29620	Weather Observer, Senior 3/	\$ 12.80
29621	Weather Observer, Combined 3/ Upper Air and Surface Programs	\$ 11.83
29622	Weather Observer, Upper Air 3/	\$ 11.83

**TRANSPORTATION/MOBILE EQUIPMENT
OPERATION:**

31030	Bus Driver	\$ 9.15
31100	Driver Messenger	\$ 8.70
31200	Heavy Equipment Operator	\$ 14.05
31290	Shuttle Bus Driver	\$ 8.75
31300	Taxi Driver	\$ 7.29
31361	Truckdriver, Light Truck	\$ 8.75
31362	Truckdriver, Medium Truck	\$ 9.15
31363	Truckdriver, Heavy Truck	\$ 9.65
36364	Truckdriver, Tractor-Trailer	\$ 10.15

MISCELLANEOUS:

99005	Aircraft Quality Control Inspector	\$ 15.22
99020	Animal Caretaker	\$ 7.00
99030	Cashier	\$ 5.93
99040	Child Care Center Clerk	\$ 7.50
99050	Desk Clerk	\$ 7.00
99260	Instructor	\$ 17.63
99300	Lifeguard	\$ 5.36
99350	Park Attendant (Aide)	\$ 6.73
99400	Photofinishing Worker	\$ 6.01
99500	Recreation Specialist	\$ 13.04
99510	Recycling Worker	\$ 7.41
99610	Sales Clerk	\$ 5.36
99630	Sports Official	\$ 5.36
99658	Survey Party Chief	\$ 7.85
99659	Surveying Technician	\$ 7.50
99660	Surveying Aide	\$ 4.91
99690	Swimming Pool Operator	\$ 8.68
99720	Vending Machine Attendant	\$ 7.41
99730	Vending Machine Repairer	\$ 8.68
99740	Vending Machine Repairer Helper	\$ 7.41

**** Fringe Benefits Required For All Occupations Included In
This Wage Determination ****

HEALTH & WELFARE: Life, accident, and health insurance plans, sick leave, pension plans, civic and personal leave, and savings and thrift plans. Minimum employer contributions costing an average of \$2.56 per hour computed on the basis of all hours worked by service employees employed on the contract. May include such benefits as severance pay.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 10 years; 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 predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 4.173)

HOLIDAYS: 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 4.174)

1/

Does not apply to employees employed in a bona fide executive, administrative, or professional capacity as defined and delineated in 29 CFR 541. (See 29 CFR 4.156)

2/

NIGHT DIFFERENTIAL: An employee is entitled to pay for all work performed between the hours of 6:00 P.M. and 6:00 A.M. at the rate of basic pay plus a night pay differential amounting to 10 percent of the rate of basic pay.

3/

APPLICABLE TO WEATHER OBSERVERS ONLY - NIGHT PAY & SUNDAY PAY: If you work at night as a 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 employee (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).

**** 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 \$4.25 per week (or \$.85 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.

**** NOTES APPLYING TO THIS WAGE DETERMINATION ****

Source of Occupational Titles and Descriptions:

The duties of employees under job titles listed are those described in the "Service Contract Act Directory of Occupations," Fourth Edition, January 1993, as amended by First Supplement December 1993, unless otherwise indicated. This publication may be obtained from the Superintendent of Documents, at 202-783-3238, or by writing to the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Copies of specific job descriptions may also be obtained from the appropriate contracting officer.

**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.

DEPARTMENT OF DEFENSE CONTRACT SECURITY CLASSIFICATION SPECIFICATION <i>(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)</i>		1. CLEARANCE AND SAFEGUARDING	
		a. FACILITY CLEARANCE REQUIRED TOP SECRET b. LEVEL OF SAFEGUARDING REQUIRED NONE	
2. THIS SPECIFICATION IS FOR: <input type="checkbox"/> PRIME CONTRACT OR <input checked="" type="checkbox"/> SUBCONTRACT		3. THIS SPECIFICATION IS: <input type="checkbox"/> ORIGINAL OR <input checked="" type="checkbox"/> REVISION	
1. PRIME CONTRACT NUMBER NASI-96014	a. ORIGINAL (Complete date in all cases) Date (YYMMDD) 95-10-02	2. SUBCONTRACT NUMBER	b. REVISED (Supersedes all previous specs) Revision No. Date (YYMMDD)
1. SOLICITATION OR OTHER NUMBER RFP-1-137. D.1165	Due Date (YYMMDD) 95-12-15	c. FINAL (Complete item 3 in all cases) Date (YYMMDD)	
4. IS THIS A FOLLOW-ON CONTRACT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If Yes, complete the following: Classified material received or generated under _____ (Preceding Contract Number) is transferred to the follow-on contract			
5. IS THIS A FINAL DD FORM 2547 <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If Yes, complete the following: In response to the contractor's request dated _____, retention of the identified classified material is authorized for the period of _____			
6. CONTRACTOR <i>(Include Commercial and Government Entity (CGE) Code)</i>			
a. NAME, ADDRESS, AND ZIP CODE N/A	b. CAGE CODE N/A	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code) N/A	
7. SUBCONTRACTOR			
a. NAME, ADDRESS, AND ZIP CODE N/A	b. CAGE CODE N/A	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code) N/A	
8. ACTUAL PERFORMANCE			
a. LOCATION N/A	b. CAGE CODE N/A	c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code) N/A	
9. GENERAL IDENTIFICATION OF THIS PROCUREMENT AEROSPACE RESEARCH and TECHNOLOGY (ART)			
10. THIS CONTRACT WILL REQUIRE ACCESS TO:		11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:	
1. COMMUNICATIONS SECURITY (COMSEC) INFORMATION	YES NO	1. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY	YES NO
2. RESTRICTED DATA	<input type="checkbox"/> <input checked="" type="checkbox"/>	2. RECEIVE CLASSIFIED DOCUMENTS ONLY	<input checked="" type="checkbox"/> <input type="checkbox"/>
3. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	3. RECEIVE AND/or MERGE CLASSIFIED MATERIAL	<input type="checkbox"/> <input checked="" type="checkbox"/>
4. FORMERLY RESTRICTED DATA	<input type="checkbox"/> <input checked="" type="checkbox"/>	4. FABRICATE, MODIFY OR STORE CLASSIFIED HARDWARE	<input type="checkbox"/> <input checked="" type="checkbox"/>
5. INTELLIGENCE INFORMATION:		5. PERFORM SERVICES ONLY	<input type="checkbox"/> <input checked="" type="checkbox"/>
(1) Sensitive Compartmented Information (SCI)	<input type="checkbox"/> <input checked="" type="checkbox"/>	6. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., OUTSIDE NORMAL POSSESSIONS AND USES TERRITORIES	<input type="checkbox"/> <input checked="" type="checkbox"/>
(2) Non-SCI	<input type="checkbox"/> <input checked="" type="checkbox"/>	7. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER, DTIC OR OTHER SECONDARY DISTRIBUTION CENTER	<input type="checkbox"/> <input checked="" type="checkbox"/>
6. SPECIAL ACCESS INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	8. REQUIRE A COMSEC ACCOUNT	<input type="checkbox"/> <input checked="" type="checkbox"/>
7. NATO INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	9. HAVE TRUSTED REFERENCES	<input type="checkbox"/> <input checked="" type="checkbox"/>
8. FOREIGN GOVERNMENT INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	10. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS	<input type="checkbox"/> <input checked="" type="checkbox"/>
9. LIMITED DISSEMINATION INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	11. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE	<input type="checkbox"/> <input checked="" type="checkbox"/>
10. FOR OFFICIAL USE ONLY INFORMATION	<input type="checkbox"/> <input checked="" type="checkbox"/>	1. OTHER (Specify)	
11. OTHER (Specify)			
N/A			

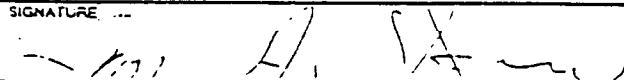
12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U. S. Government authority. Proposed public release shall be submitted for approval.		
<input type="checkbox"/> Direct <input checked="" type="checkbox"/> Through (Specify):		
NASA Langley Research Center		
to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs) for review. <small>*In the case of non-DOD User Agencies, requests for declassification shall be submitted by that agency.</small>		
13. SECURITY GUIDANCE. The security classification guidance needed for the classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance of the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in as appropriate for the classified effort. Attach or forward under separate correspondence, any documents, guides, extracts referenced herein. Add additional pages as needed to provide complete guidance.)		
<p>THE CONTRACTOR WILL BE INVOLVED WITH ONGOING RESEARCH AND DEVELOPMENT PROGRAMS THAT WILL REQUIRE INDIVIDUALS, DESIGNATED BY GOVERNMENT, TO HAVE A TOP SECRET SECURITY CLEARANCE.</p>		
14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to ISM requirements, are established for this contract. (If yes, identify the pertinent contractual clauses in the contract document itself, or provide an appropriate statement which identifies additional requirements. Provide a copy of the requirements to the cognizant security office. Use item 13 if additional space is needed.)		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements carved out and the activity responsible for inspections. Use item 13 if additional space is needed.)		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.		
a. TYPED NAME OF CERTIFYING OFFICIAL	b. TITLE	c. TELEPHONE (include Area Code)
Sam A. Harvey	Program Security Team Leader	804-864-6507
d. ADDRESS (include Zip Code)	17. REQUIRED DISTRIBUTION	
NASA LANGLEY RESEARCH CENTER M/S 182 HAMPTON VA. 23681-0001	<input checked="" type="checkbox"/> a. CONTRACTOR <input type="checkbox"/> b. SUBCONTRACTOR <input checked="" type="checkbox"/> c. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR <input type="checkbox"/> d. U. S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION <input checked="" type="checkbox"/> e. ADMINISTRATIVE CONTRACTING OFFICER <input type="checkbox"/> f. OTHERS AS NECESSARY	
e. SIGNATURE		

EXHIBIT E

PROCEDURES FOR THE PREPARATION AND APPROVAL OF CONTRACTOR
REPORTS FOR LANGLEY RESEARCH CENTER

GUIDELINES. - The following documents or subsequent editions in effect on date of contract shall serve as the basis for preparation of Contractor Reports:

NASA SP-7047 NASA Publications Guide
DoD 5220.22-M Industrial Security Manual for Safeguarding Classified
Information, January 1991

NOTE: Copies of NASA SP-7047 will be furnished by the Contracting Officer upon request.

FORMAT AND ORGANIZATION. - The format and organization of a Contractor Report should be consistent and follow the practices recommended in the NASA Publications Guide (NASA SP-7047). For questions concerning format, contact Langley Technical Editing Branch at (804) 864-2518. **An original Report Documentation Page (Standard Form 298) shall be included as the last page in the report.** (The instructions on the back of the form shall not appear in the printed report.) A reproducible copy of this form will be furnished to you with your copy of the executed contract.

TRADEMARKS. - U.S. Government policy prohibits endorsing or criticizing commercial products in its publications. Use of trademarks is discouraged. If a trademark must be used, its owner must be credited and the trademark must be used as an adjective modifying the generic name.

REFERENCES. - Material that is not obtainable or available must not be listed in the references. Documents of NASA contracts published as in-house documents must be referenced as NASA CR's, not as NASA Contract Numbers.

SECURITY. - Security markings, when necessary, shall be consistent with DD Form 254, the directive issued by the Security Classification Officer, and shall conform to requirements established in the DoD Industrial Security Manual. For questions concerning security classification, contact LaRC Security Classification Officer at (804) 864-3415.

APPROVAL COPIES.

1. Upon completion of a report, the Contractor shall submit five (5) approval copies to the Contracting Officer for review and approval by NASA. These copies may be reproduced and assembled by an economical means by the Contractor.
2. The Contractor will be notified of acceptance of the approval copy of the report by the Contracting Officer within sixty (60) days. Approval will be contingent upon changes required by NASA. An original master copy in agreement with the approval copy shall be prepared and submitted by the Contractor.

ORIGINAL MANUSCRIPT. - The original manuscript of a Contractor Report shall consist of a one-sided master copy of the text, cleanly typed on opaque white paper, from which negatives and printing plates can be made, unscreened glossy prints of photographs, and original artwork of a quality suitable for reproduction

by offset printing. Suggestions for preparing acceptable copy are given in NASA SP-7047. The original manuscript should not be bound and should have consecutive page numbers added in proper sequence. Odd numbered pages are numbered at the bottom of the page on the right; even, on the left. To avoid damage in handling and shipping, the original manuscript should be carefully packaged.

DISTRIBUTION AND DUPLICATION. - From the review made at the Langley Research Center, the Contracting Officer will make a determination concerning publication and distribution, which the Contractor shall complete within thirty (30) days after receipt of approval copies.

1. If NASA Langley Research Center considers that the report should be distributed only in limited quantities, the Contractor shall be requested to prepare duplicates of the original manuscript and distribute the original manuscript and copies (not to exceed 100¹) in accordance with a distribution list supplied by the Contracting Officer. In this case, the report will be assigned a number in the NASA CR high-numbered series (CR number above 50,000) by the Contracting Officer. When necessary, the Contractor will be provided with any notices to be added to the cover concerning distribution limitations.

2. If the NASA Langley Research Center considers the report of such quality or interest that it warrants wide distribution, it will be recommended to NASA Headquarters for publication in the NASA CR low-numbered series, and the Contractor will be requested to forward the original manuscript, together with up to 25¹ duplicate copies to Langley Research Center addresses furnished by the Contracting Officer. At the direction of the Contracting Officer, advance distribution by the Center may be made to those having a need to know. Printing from the original manuscript for final distribution will be provided by NASA. NASA will include the CR number on the cover and provide the author(s) with 10 copies each of the final printed report. (Author(s) will not receive 10 copies each of restricted distribution reports.)

PRINTING STANDARDS. - To comply with NASA printing requirements and cost considerations, reports submitted should conform to the following standards. Any questions regarding implementation of these standards should be directed to the Langley Printing Management Officer (LPMO) at (804) 864-3284.

1. Multiple-copy production shall be by the offset duplicating method, except as described in subparagraphs 1a and 1b below.

a. Production may be on office copying machines or on diazo equipment when the number of copies is so small that such production is more economical than offset duplicating. However, the images will be clearly legible and permanent.

¹See Clause 18-52.208-81, Printing and Duplicating, for more detailed guidance.

b. Any image that cannot be accommodated by a foldout (as described in paragraph 2 herein) will be produced by the diazo or electrostatic method in a size dictated by legibility requirements.

2. The page image size of cover and text pages including headings will not exceed 7 1/8 x 9 1/8 inches. Page image including page number will not exceed 7 1/8 x 10 inches. Diagrams, charts, drawings, etc., shall be reduced and, if necessary, run broadside to eliminate oversized pages. If such reduction is too great for legibility, the subject will be split and run on two facing pages or run as a foldout with an image not larger than 14 x 9 1/2 inches.

3. Text and foldout pages will be on either of two paper stocks:

a. Offset book paper, white, substance 50 lbs. (basis 25 x 38/1000 sheets, Joint Committee on Printing (JCP) A60).

b. Chemical wood writing paper, white or colored, substance 20 lbs. (basis 17 x 22/1000 sheets, JCP G30).

4. Covers, if necessary, will be on either of two paper stocks:

a. Vellum finish (or antique finish) cover paper, white or colored, substance 50 lbs. (basis 20 x 26/1000 sheets, JCP L20).

b. Chemical wood index paper, white or colored, substance 110 lbs. (basis 25 1/2 x 30 1/2/1000 sheets, JCP K20).

5. Use of tabs is expensive and rarely necessary. First consideration should be given to the use of a contents page. Second choice should be bleed-edge index markers. If tabs must be used, they will be duplicated on one side only, on chemical wood index paper, white or colored, substance 110 lbs. (basis 25 1/2 x 30 1/2/1000 sheets); they will be angle cut and not die cut.

6. All duplicating will be in black ink. If other or additional color is required for a functional purpose, approval in writing must be obtained from the Langley Printing Management Officer (LPMO) through the Contracting Officer before preparation of final reproduction copy.

7. Text pages of all documents produced will be reproduced on both sides of sheet where feasible.

8. Binding will be by fastening with wire staples or stitches, either one in a corner or two in the binding margin. Documents too thick to staple or stitch will be produced in two or more volumes. Prong fasteners, binding screws, plastic combs, and spiral and similar wire fasteners add to production time and costs, and generally their use should be avoided.

9. Plastic protective sheets will not be used.

10. When hard-cover protection of a document is needed, the document will be drilled with three round 1/4 inch or 3/8 inch holes, 4 1/4 inches center-to-center, for insertion into standard 3-ring binders. Special stamped, printed or silk-screened binders shall not be used. A single corner staple or stitch or a band will be used to hold the document together until it is put into a binder.

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour 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 this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE May 1991	3. REPORT TYPE AND DATES COVERED Contractor Report	
4. TITLE AND SUBTITLE Science Needs for Real-Time Adaptable Data Products From the Earth Observing System			5. FUNDING NUMBERS C NAS1-18676	
6. AUTHOR(S) Paul D. Try, Paul F. Twitchell, and Christopher R. Redder				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Science and Technology Corporation 101 Research Drive Hampton, VA 23666-1340			8. PERFORMING ORGANIZATION REPORT NUMBER STC-42518	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) National Aeronautics and Space Administration Langley Research Center Hampton, VA 23665-5225			10. SPONSORING/MONITORING AGENCY REPORT NUMBER NASA CR-0000	
11. SUPPLEMENTARY NOTES Langley Technical Monitor: David E. Bowker Final Report				
12a. DISTRIBUTION/AVAILABILITY STATEMENT Unclassified Unlimited Subject Category 43			12b. DISTRIBUTION CODE <i>(If contract specifies restricted distribution, state restriction instead of Unclassified-Unlimited.)</i>	
13. ABSTRACT (Maximum 200 words) Advancing the understanding of the Earth system requires improved knowledge of the time-variant governing processes, and the knowledge of these processes often comes only from real-time observations of the changing variables as seen from space. The unpredictability of what is to be measured and at what rate requires flexibility in the observational capability. The Earth Observing System (EOS) will be a major source of observational data during the next 10- to 25-year timeframe. Consequently, to ensure the needed advances in the understanding of the Earth system, real-time onboard processing is concluded to be a critical need for EOS. <i>(Provide an unclassified abstract not to exceed 200 words)</i>				
14. SUBJECT TERMS Real-time data needs; Onboard data processing; Real-time processing for EOS; EOS communication needs			15. NUMBER OF PAGES 76	
			16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT	

EXHIBIT F

TO: NASA Langley Research Center
126/Contract Specialist
Hampton, VA 23681-0001

FROM: (Insert Company Name)

SUBJECT: Semiannual Progress Report for Small Disadvantaged Business
Goals - NAS1- for the Period Ending

	<u>This Reporting Period</u>		<u>Cumulative</u>	
	<u>Dollars</u>	<u>Percent</u>	<u>Dollars</u>	<u>Percent</u>
1. Small Disadv. Bus. Concerns:	\$	%	\$	%
2. Woman-Owned Small Bus: (include as part of 1 above)	\$	%	\$	%
3. Historical Black Colleges/Univ: and/or Minority Institutions (include as part of 1 above)	\$	%	\$	%

cc:
NASA, Langley Research Center
M/S 144, Head AOB
Hampton, VA 23681-0001

SAMPLE

EXHIBIT G

SECTION 7 - SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS SUB-CONTRACTING PLAN (L38 (c))

7.1 INTRODUCTION

LM's dedication to increasing subcontracting opportunities for small business and small disadvantaged businesses (SB/SDBs) is codified in LMES Management Directive K.2 and in LMES's Purchasing Procedure P-006. Our SB/SDB subcontracting plan satisfies the requirement of Public Law 95-507, as implemented by the Office of Federal Procurement Policy Letter 80-2, FAR Part 19.704, FAR clause 52.219-9, and the NASA FAR Supplement clause 18-52.219-73. The term SDB

also includes women-owned businesses, minority education institutions and historically black colleges and universities.

Our performance to date under the Technical Support Services for Aerospace Research and Technology prime contract, summarized in Figure 7-1, reflects our dedication to achieving SB/SDB goals.

Through October, 1995, 73.4% of all subcontract awards were to small businesses, against a goal of 60%. Our SDB awards totaled 36.5% against an original award goal of 5.0%.

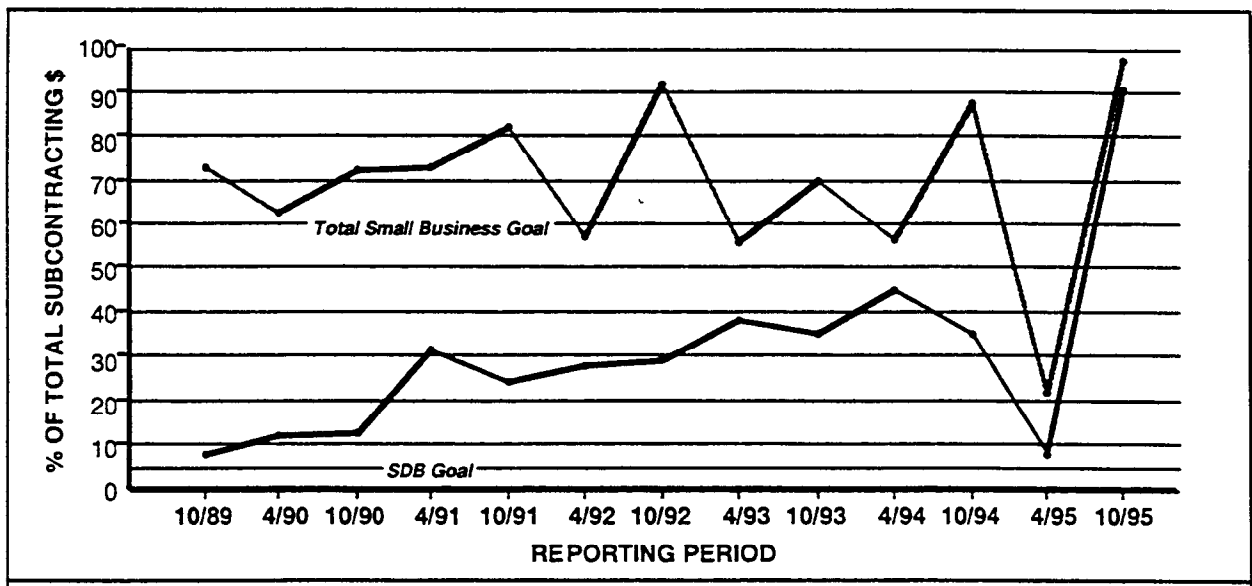


Figure 7-1. Our subcontracting history on NAS1-19000 consistently exceed SB and SDB goals.

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EXHIBIT G

7.2 GOALS IN TERMS OF DOLLARS AND PERCENT (FAR 52.219-9 (d)(1), (2))

Lockheed Martin's goal for SB/SDB subcontracting is based on the Contracting Officer's goal of subcontracting 8 percent of the annual ART contract value to SDBs. We expect the annual contract value to be about \$19,235,000 the first year and decrease by about 20 percent each year until the contract is terminated on September 30, 2000. We plan to begin by subcontracting \$3,318,000, over 16 percent, to SDBs the first year and to maintain at least that percentage each succeeding year, as we downsize the contract. To comply with the requirements of the SB/SDB plan we have expressed the percentages as a portion of the total contract value, including all options, as requested in section L.37 of the ART RFP. The goals in dollars and percent are shown in Figure 7-2.

7.3 PRINCIPAL TYPES OF SUPPLIES AND SERVICES (52.219-9 (d)(3))

The majority of our SDB usage percentage is comprised of subcontracted services. This includes subcontracts with our teaming partners - AS&M and ViGYAN, both SDBs.

ART Program	Small Business/ Small Disadvantaged Business
Basic Contract (In % of Total Contract \$)	
Basic (7/1/96 - 6/30/97)	17.3%
Option I (7/1/97 - 6/30/98)	17.5%
Option II (7/1/98 - 6/30/99)	17.7%
Option III (7/1/99 - 9/30/00)	17.8%
Baseline (in \$)	
Basic (7/1/96 - 6/30/97)	\$3,318,162.00
Option I (7/1/97 - 6/30/98)	\$2,621,460.00
Option II (7/1/98 - 6/30/99)	\$1,883,203.00
Option III (7/1/99 - 9/30/00)	\$1,304,146.00

Figure 7-2. Lockheed Martin's goals for SDB subcontracting are twice the RFP requirement.

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7.4 METHODS USED TO DEVELOP GOALS (52.219-9(d)(4))

We have identified opportunities for small disadvantaged businesses to participate in technical areas where they have demonstrated expertise. We have interviewed many SB and SDB companies who expressed an interest in becoming teaming partners on the ART contract. AS&M and ViGYAN each have demonstrated high technology expertise directly relevant to the ART statement of work and have proven their ability to perform similar contract work at the Langley Research Center. As incumbent contractors for portions of the ART work, AS&M and ViGYAN had worked with Lockheed Martin in performing high-

EXHIBIT G

technology tasks on other contract efforts. All of these factors led us to choose them to sub-contract areas that they each had been performing in, where they had demonstrated expertise with similar amounts of staff effort.

Task order assignments, defined in terms of the SOW are shown in Figure 7-3. This approach allowed us to form a largely incumbent contractor team, sustain the continuity of the workforce, promise the level of excellent performance that NASA has realized in the past, and essentially double the RFP goal at approximately 16 percent of the contract value.

7.5 METHODS USED TO IDENTIFY POTENTIAL SOURCES (52.219-9(d)(5))

For selecting SDB team mem-

SDB Company	General Task Order Area	Specific Task Order Area
AS&M	Materials**	Metals and nondestructive evaluation
AS&M	Structures*	Thermal mechanical structures
Vigyan	Aerodynamics**	Subsonic/Transonic and Supersonic
Vigyan	Fluid mechanics and acoustics*	Measurement Science and Technology
** Major area * Minor area		
<i>Figure 7-3. Technical risk is minimized by selecting task areas for each SDB tailored to their fields of expertise.</i>		

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ber/subcontractors, Lockheed Martin developed a highly structured technical and business screening process. Throughout 1994 and 1995, we invited the SDB community to submit capability and experience brochures, keyed to sections of the projected SOW. The information collected was reviewed by our management within the technical disciplines the companies had indicated. Qualified companies were then interviewed by a team of engineering, business management, and procurement representatives.

We have several systems and processes for identifying SDBs. Throughout the life of the ART contract we will continue to identify SDB candidates as potential subcontractors. Lockheed Martin is a subscriber to several automated source list systems, including the Small Business Administration's Procurement Automated Sources Selection (PASS) System. We are also a subscriber to several other directories and services, such as the Lockheed Martin Corporation Source Directory, and the National Minority Business Directory. Source lists developed by the Norfolk Chamber of Commerce, the Virginia Department of Minority Business Enterprise, and

EXHIBIT G

Tidewater Minority Business Purchasing Council will also be utilized.

Our small business administrator is the coordinator of these systems and processes. She continually interviews potential SDB contractors, passing along good prospects to procurement and engineering personnel through use of internal memos and a vendor reference system cross-referenced by products and services. The small business administrator considers SDB contractors both from the local community and nationwide.

7.6 OTHER-THAN-DIRECT COSTS

(Including other direct costs such as program support) (52.219-9(d)(6))

Indirect costs have not been included in the goals specified in paragraph 2.0 above.

7.7 PLAN ADMINISTRATION (52.219-9(d)(7))

Lockheed Martin has a designated small business administrator who reports to the business manager. The small business administrator's specific duties are as follows:

- Develop and maintain bidders' lists of SB/SDB concerns from all possible sources
- Ensure the procurement packages are structured to permit SB/SDB concerns to participate to the maximum extent possible

• Encourage the inclusion of SB/SDB concerns in all solicitations for products or services which they are capable of providing

• Ensure periodic rotation of potential subcontractors on bidders lists

• Ensure the establishment and maintenance of records of solicitations and subcontract award activity

• Attend or arrange for attendance of company counselors at business opportunity workshops, minority business enterprise seminars, trade fairs, etc.

• Conduct or arrange for conduct of motivational training for procurement personnel pursuant to the intent of P.L. 95-507 to monitor attainment of proposed goals

• Monitor attainment of proposed goals

• Prepare and submit periodic subcontracting reports as required

• Participate as appropriate during the conduct of compliance reviews by Federal agencies

• Interview potential new SB and SDB sources, and ensure that information regarding their capabilities is forwarded to procurement and engineering offices.

EXHIBIT G

7.8 EFFORTS TO ASSURE EQUITABLE OPPORTUNITIES (52.219-9(d)(8))

Lockheed Martin will use all of the systems and processes in Section 7.5 above to continually identify potential new sources for the effort to be subcontracted. Other outreach activities will include open houses, continued contacts with minority and small business associations, participation in conferences and seminars, as well as the continued maintenance of close relations with the Small Business Administration (SBA) and NASA industry assistance and small business offices. The small business administrator will review all procurements estimated to exceed \$25,000 to ensure SB/SDBs have a full opportunity to compete. Lockheed Martin's technical and procurement personnel will be informed regularly of SB/SDB goals and our progress in meeting them.

7.9 SUBCONTRACTING REQUIREMENTS (52.219-9(d)(9))

The clause entitled "Utilization of Small Business Concerns and Small Disadvantaged Business Concerns," will be included in all subcontracts which have subcontracting opportunities. All subcontractors receiving sub-

contracts valued in excess of \$500,000 will be required to comply with a subcontracting plan similar to this one. Additionally, all subcontracts, regardless of dollar value, which appear to have subcontracting opportunities, will include a requirement for the reporting of second-tier SB/SDB subcontract awards.

7.10 COOPERATION AND REPORTING (52.219-9(d)(10))

Lockheed Martin is currently cooperating and reporting on its SB/SDBs and will continue to do so for the ART contract. We will submit Standard Forms 294 and 295 as usual. Additionally, the NASA contracting officer will receive monthly reports of company progress toward meeting the SB and SDB goals contained in the contract. Further, as stated in 52.219-9(d)(9) above, Lockheed Martin will ensure that appropriate reporting is performed by subcontractors. Lockheed Martin also agrees to cooperate fully in any studies or surveys the Government may require.

7.11 TYPES OF RECORDS (52.219-9(d)(11))

Lockheed Martin will maintain at least the following types of records to document compliance with our subcontract plan:

EXHIBIT G

- SB/SDB source lists, vendor guides, and other data identifying such companies
- Networking sources for locating SB/SDBs
- Contract files on each award over \$100,000, documenting whether an SB/SDB was selected and fully recording the evaluation and selection process
- Records of outreach activities with trade associations, business development organizations, and records of participation in trade fairs, conferences and symposia
- Records of internal activities to guide and encourage technical and procurement personnel through workshops, training, and seminars
- Records will be kept indicating subcontractor names, addresses, and business size.

7.12 IMPLEMENTATION

In order to effectively implement this plan to the extent consistent with efficient contract performance, we will perform the following functions:

- Assist SB/SDB concerns by arranging solicitation time for the preparation of bids,

quantities, specifications, and delivery schedules to facilitate their participation. Where the list of potential SB/SDB subcontractors is excessively long, reasonable effort will be made to give all such small business concerns an opportunity to compete over a period of time.

- Provide adequate and timely considerations of the potential of SB/SDB concerns in all "make-or-buy" decisions.
- Counsel and discuss subcontracting opportunities with representatives of SB/SDB firms.

We have initiated an aggressive goal for the ART contract. We are committed to meeting this goal and have negotiated teaming agreements with AS&M and ViGYAN in line with this effort. Our approach ensures that a minimum of 16 percent of the total contract funds go to SDBs annually, by subcontracting at that level upon contract award, and sustaining that level. This will benefit NASA LaRC by receiving continuous high-quality performance by our team on this contract.

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