

National Aeronautics and
Space Administration

Dryden Flight Research Center
P. O. Box 273
Edwards, CA 93523-0273



D-1422/RNM

Pratt & Whitney Military Aftermarket Services, Inc.
San Antonio Operations
309 Avionics Circle, Ste. 1
San Antonio, TX 78226

Subject: Request For Proposal (RFP) - NND09300195R (RNM) - NASA F100PW229 Engine Upgrades

Enclosed for your consideration is the subject solicitation. You are invited to submit an offer in response to this enclosure. Note that NASA will not pay costs associated with offer preparation or the information solicited.

Please carefully review the enclosed provisions, including the solicitation, and model contract, and comment on any areas of concern to your company. Your offers in response to this solicitation should be submitted to the following address **by 2:00 p.m. (PDT) on September 8, 2009:**

NASA Dryden Flight Research Center
Acquisition Management Office M/S: D-1422
P. O. Box 273
Edwards, CA 93523-0273
Attn: Robert Medina

Express Delivery Services:
NASA Dryden Flight Research Center
Acquisition Management Office (M/S: D-1422)
Attn: Robert Medina
Building 4876, Warehouse 6
Edwards, CA 93524

For additional information or questions, please contact Robert Medina on 661-276-3343 or FAX 661-276-2904 or robert.medina@dfrc.nasa.gov. Questions may result in revision of this RFP by formal amendment.


Robert Medina
Contacting Officer

AWARD/CONTRACT		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 350) <input checked="" type="checkbox"/>	RATING D0-C9	PAGE 1 OF 23
2. CONTRACT NO. TBD		3. EFFECTIVE DATE See Block 20C Below	4. REQUISITION/PURCHASE REQUEST/PROJECT NO. 4200300195, 4200306273, 4200307089	
5. ISSUED BY National Aeronautics and Space Administration Dryden Flight Research Center P. O. Box 273, M/S: D-1422 Edwards, CA 93523-0273		CODE	6. ADMINISTERED BY (If other than Item 5) National Aeronautics and Space Administration Dryden Flight Research Center P. O. Box 273, M/S: D-1422 Edwards, CA 93523-0273	

7. NAME AND ADDRESS OF CONTRACTOR (No., street, city, country, State and ZIP Code) Pratt & Whitney Military Aftermarket Services, Inc. San Antonio Operations 309 Avionics Circle, Ste. 1 San Antonio, TX 78226		8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input type="checkbox"/> OTHER (See below)
9. DISCOUNT FOR PROMPT PAYMENT		10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN: <input checked="" type="checkbox"/> ITEM 12

CODE:	FACILITY CODE	11. SHIP TO/MARK FOR See Paragraph F.3.	12. PAYMENT WILL BE MADE BY NASA Shared Service Center Financial Management Division Bldg. 1111, C Road Stennis Space Center, MS 39529-600
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13. AUTHORITY FOR USING OTHER THAN FULL & OPEN COMPETITION: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c) (1) <input type="checkbox"/> 41 U.S.C. 253(c) ()	14. ACCOUNTING AND APPROPRIATION DATA
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15A. ITEM NO.	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
	F100-PW-229 Engine Upgrades	2	Ea	\$TBD	\$TBD

15G. TOTAL AMOUNT OF CONTRACT <input checked="" type="checkbox"/>	\$TBD
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CONTRACTING OFFICER WILL COMPLETE ITEM 17 OR 18 AS APPLICABLE

17. **CONTRACTOR'S NEGOTIATED AGREEMENT** (Contractor is required to sign this document and return _____ 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: (a) 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. **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.

19A. NAME AND TITLE OF SIGNER (Type or print)		20A. NAME OF CONTRACTING OFFICER (Type or print)	
19B. NAME OF CONTRACTOR BY _____ (Signature of person authorized to sign)	19C. DATE SIGNED	20B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	20C. DATE SIGNED

PART I - THE SCHEDULE**SECTION B - SUPPLIES OR SERVICES AND PRICE/COSTS****B.1 SUPPLIES AND/OR SERVICES TO BE FURNISHED**

The Contractor shall provide all resources (except as may be expressly stated in this contract as furnished by the Government) necessary to furnish the items below in accordance with the Statement of Work of this contract entitled: F100-PW-229 Aircraft Engine Upgrades.

CLIN	Description	Quantity	Unit	Unit Price	Extended Price
FIRM FIXED PRICE CLINS					
001	Teardown and Inspect				
001A	Engine: PN 4068700	2	EA	\$ TBD	\$ TBD
001B	Inlet Fan: PN 4068721-804	2	EA	\$ TBD	\$ TBD
001C	Core: PN 4068722-811	2	EA	\$ TBD	\$ TBD
001D	LPT: PN 4080823-854	2	EA	\$ TBD	\$ TBD
001E	Gearbox: PN 4082609-800	2	EA	\$ TBD	\$ TBD
001F	Augmentor: PN 4068724-800	2	EA	\$ TBD	\$ TBD
	Subtotal Teardown and Inspect				\$TBD
002	Overhaul-Repair – assembly labor, repairs & CFM; FFP; IAW SOW				
002A	Engine-Level assembly labor; output PN 4068700	2	EA	\$ TBD	\$ TBD
002B	Engine-level repairs and CFM; output PN 4068700	2	EA	\$ TBD	\$ TBD
002C	Inlet Fan assembly labor; output PN 4068721-807	2	EA	\$ TBD	\$ TBD
002D	Inlet fan repairs and CFM; output PN 4068721-807	2	EA	\$ TBD	\$ TBD
002E	Core assembly labor; output PN 4084522-804	2	EA	\$ TBD	\$ TBD
002F	Core repairs and CFM; output PN 4084522-804	2	EA	\$ TBD	\$ TBD
002G	LPT assembly labor; output PN 4080823-854	2	EA		
002H	LPT repairs and CFM; output PN 4080823-854	2	EA	\$ TBD	\$ TBD
002J	Gearbox assembly labor; output PN 4087025-800	2	EA	\$ TBD	\$ TBD
002K	Gearbox repairs and CFM; output PN 4087025-800	2	EA	\$ TBD	\$ TBD
002L	Augmentor assembly labor; output PN 4068724-800	2	EA	\$ TBD	\$ TBD

002M	Augmentor repairs and CFM; output PN 4068724-800	2	EA	\$ TBD	\$ TBD
	Subtotal Overhaul and Repair				\$TBD
003	Additional CFM Required To Replace Condemned Component Repair Items Not Included in CLIN 002 (NTE)	1	LOT	\$ TBD	\$ TBD

(End-of-Clause)

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

The total firm fixed price of this contract is \$TBD.

(End-of-Clause)

B.3 CEILING PRICE (This clause applies only to the IDIQ portions of the contract CLIN 3 under paragraph B.1)

The total price of accomplishing the IDIQ effort in CLIN 003 above shall not exceed \$TBD.

(End-of-Clause)

[END OF SECTION]

SECTION C - DESCRIPTION/SPECIFICATION/WORK STATEMENT

C.1 STATEMENT OF WORK

The following is the Statement of Work covered under this contract entitled "F100-PW-229 Engine Upgrades, dated August 14, 2009."

(End-of-Clause)

[END OF SECTION]

SECTION D - PACKAGING AND MARKING

D.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
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None included by reference.

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

CLAUSE NUMBER	DATE	TITLE
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None included by reference.

(End-of-Clause)

[END OF SECTION]

SECTION E - INSPECTION AND ACCEPTANCE

E.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.246-4	AUG 1996	INSPECTION OF SERVICES--FIXED-PRICE
52.246-16	APR 1984	RESPONSIBILITY FOR SUPPLIES

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

CLAUSE NUMBER	DATE	TITLE
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None included by reference.

(End-of-Clause)

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

(a) At the time of each delivery under this contract, the Contractor shall furnish a Material Inspection and Receiving Report (DD Form 250 series. The Contractor shall distribute the DD Form 250 series as follows:

<u>Distribution to:</u>	<u>No. Copies</u>
Government Plant Inspection Officer, if any	2
Contracting Officer	1
Transportation Officer	1
Contracting Officer Technical Representative (COTR)	2
Consignee	1
Attached to shipment (on Box #1)	8

(b) The Contractor shall prepare the DD Form 250 in accordance with NASA FAR Supplement 1846.6. The Contractor shall enclose the copies of the DD Form 250 in the package or seal them in a waterproof envelope which shall be securely attached to the exterior of the package in the most protected location.

(c) When more than one package is involved in a shipment, the Contractor shall list on the DD Form 250, as additional information, the quantity of packages and the package numbers. The Contractor shall

forward the DD Form 250 with the lowest numbered package of the shipment and print the words "CONTAINS DD FORM 250" on the package.

(End-of-Clause)

E.3 1852.246-71 GOVERNMENT CONTRACT QUALITY ASSURANCE FUNCTIONS. (OCT 1988)

In accordance with the inspection clause of this contract final inspection will be performance at NASA Dryden Flight Research Center, Edwards, CA 93523.

(End of clause)

[END OF SECTION]

SECTION F - DELIVERIES OR PERFORMANCE

F.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.247-34	NOV 1991	F.O.B. DESTINATION

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

CLAUSE NUMBER	DATE	TITLE
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None included by reference

(End-of-clause)

F.2 F.O.B. POINT

The items to be delivered under this contract shall be shipped F.O.B. Destination to NASA Dryden Flight Research Center, Edwards, CA 93523.

(End-of-clause)

F.4 DELIVERY SCHEDULE

The Contractor shall deliver the items required to be furnished by the contract as follows:

ITEM NO.	DESCRIPTION	QUANTITY	DELIVERY DATE	SHIPPING ADDRESS
001	Teardown and Inspect	1 Lot	TBD	See Clause F.4
001A	Engine: PN 4068700	2 Ea.	TBD	See Clause F.4
001B	Inlet Fan: PN 4068721-804	2 Ea.	TBD	See Clause F.4
001C	Core: PN 4068722-811	2 Ea.	TBD	See Clause F.4
001D	LPT: PN 4080823-854	2 Ea.	TBD	See Clause F.4
001E	Gearbox: PN 4082609-800	2 Ea.	TBD	See Clause F.4
001F	Augmentor: PN 4068724-800	2 Ea.	TBD	See Clause F.4

002	Overhaul-Repair – assembly labor, repairs & CFM; FFP; IAW SOW	1 Lot	TBD	See Clause F.4
002A	Engine-Level assembly labor; output PN 4068700	2 Ea.	TBD	See Clause F.4
002B	Engine-level repairs and CFM; output PN 4068700	2 Ea.	TBD	See Clause F.4
002C	Inlet Fan assembly labor; output PN 4068721-807	2 Ea.	TBD	See Clause F.4
002D	Inlet fan repairs and CFM; output PN 4068721-807	2 Ea.	TBD	See Clause F.4
002E	Core assembly labor; output PN 4084522-804	2 Ea.	TBD	See Clause F.4
002F	Core repairs and CFM; output PN 4084522-804	2 Ea.	TBD	See Clause F.4
002G	LPT assembly labor; output PN 4080823-854	2 Ea.	TBD	See Clause F.4
002H	LPT repairs and CFM; output PN 4080823-854	2 Ea.	TBD	See Clause F.4
002J	Gearbox assembly labor; output PN 4087025-800	2 Ea.	TBD	See Clause F.4
002K	Gearbox repairs and CFM; output PN 4087025-800	2 Ea.	TBD	See Clause F.4
002L	Augmentor assembly labor; output PN 4068724-800	2 Ea.	TBD	See Clause F.4
002M	Augmentor repairs and CFM; output PN 4068724-800	2 Ea.	TBD	See Clause F.4
002	Overhaul-Repair – assembly labor, repairs & CFM; FFP; IAW SOW	2 Ea.	TBD	See Clause F.4

*SHIP TO: Transportation Officer, Warehouse No. 6, Building 4876
National Aeronautics and Space Administration
Dryden Flight Research Center
Warehouse No. 6, Building 4876
Edwards, CA 93524

End-of-Clause)

[END OF SECTION]

SECTION G - CONTRACT ADMINISTRATION DATA

G.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

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

None included by reference.

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

CLAUSE NUMBER	DATE	TITLE
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1852.245-70	JUL 1997	CONTRACTOR REQUESTS FOR GOVERNMENT-OWNED EQUIPMENT
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(End Of Clause)

G.2 1852.245-72 LIABILITY FOR GOVERNMENT PROPERTY FURNISHED FOR REPAIR OR OTHER SERVICES. (DEVIATION) (SEP 2007)

(a) This clause shall govern with respect to any Government property furnished to the Contractor for repair or other services that is to be returned to the Government. Such property, hereinafter referred to as "Government property furnished for servicing," shall not be subject to FAR 52.245-1, Government Property.

(b) The official accountable recordkeeping and financial control and reporting of the property subject to this clause shall be retained by the Government. The Contractor shall maintain adequate records and procedures to ensure that the Government property furnished for servicing can be readily accounted for and identified at all times while in its custody or possession or in the custody or possession of any subcontractor.

(c) The Contractor shall be liable for any loss, damage, or destruction of the Government property furnished for servicing when caused by the Contractor's failure to exercise such care and diligence as a reasonable prudent owner of similar property would exercise under similar circumstances, or when sustained while the property is being worked upon and directly resulting from that work, including, but not limited to, any repairing, adjusting, inspecting, servicing, or maintenance operation. The Contractor shall not be liable for loss, damage, or destruction of Government property furnished for servicing resulting from any other cause except to the extent that the loss, damage, or destruction is covered by insurance (including self-insurance funds or reserves).

(d) In addition to any insurance (including self-insurance funds or reserves) carried by the Contractor and in effect on the date of this contract affording protection in whole or in part against loss, damage, or destruction of such Government property furnished for servicing, the amount and coverage of which the Contractor agrees to maintain, the Contractor further agrees to obtain any additional insurance covering such loss, damage, or destruction that the Contracting Officer may from time to time require. The requirements for this additional insurance shall be effected under the procedures established by the Changes clause of this contract.

(e) The Contractor shall hold the Government harmless and shall indemnify the Government against all claims for injury to persons or damage to property of the Contractor or others arising from the Contractor's possession or use of the Government property furnished for servicing or arising from the presence of that property on the Contractor's premises or property.

(End of clause)

**G.3 1852.245-74 IDENTIFICATION AND MARKING OF GOVERNMENT EQUIPMENT.
(DEVIATION) (SEP 2007)**

(a) The Contractor shall identify all equipment to be delivered to the Government using NASA Technical Handbook (NASA-HDBK) 6003, "Application of Data Matrix Identification Symbols to Aerospace Parts Using Direct Part Marking Methods/Techniques", and NASA Standard (NASA-STD) 6002, "Applying Data Matrix Identification Symbols on Aerospace Parts". This includes deliverable equipment listed in the schedule and other equipment when NASA directs physical transfer to NASA or a third party. The Contractor shall identify property in both machine and human readable form unless the use of a machine readable-only format is approved by the NASA Industrial Property Officer.

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

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

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

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

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

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

listed under clause F.4 of this contract.

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

(End of clause)

G.4 INVOICES AND PAYMENT

(1) Invoices will be submitted in the Contractor's format and shall contain the following information as applicable: contract number, contract line item number (CLIN) and item description. The contractor shall submit original invoices to:

NASA Shared Services Center (NSSC)
Financial Management Division (FMD)—Accounts Payable
Bldg. 1111, C. Road
Stennis Space Center, MS 39529
Phone #: 1-877-766-2123
Fax: 1-866-209-5415
Email: NSSC-AccountsPayable@nasa.gov

(2) The contractor shall submit electronic copies of the original invoices to the following offices:

Copy 1 -- Contracting Officer
NASA Dryden Flight Research Center, Code A
Attn: Robert Medina
P.O. Box 273 M/S D-1422
Edwards CA, 93523-0273

Copy 2 -- Contracting Officer Technical Representative
NASA Dryden Flight Research Center, Code PA
Attn: Tim Moes
P.O. Box 273, M/S 2332
Edwards, CA 93523-0273

(3) Individual payments will be made based on contractor completion and NASA acceptance of each CLIN listed in Section B.2 of this contract. Payments will not be made for partial completion or delivery; the entire deliverable for the respective CLIN must be completed/delivered by the contractor and accepted by NASA prior to payment.

(End of Clause)

[END OF SECTION]

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
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None included by reference.

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

CLAUSE NUMBER	DATE	TITLE
1852.223-72	APR 2002	SAFETY AND HEALTH (SHORT FORM)
1852.223-75	FEB 2002	MAJOR BREACH OF SAFETY OR SECURITY
1852.244-70	APR 1985	GEOGRAPHIC PARTICIPATION IN THE AEROSPACE PROGRAM

(End Of Clause)

(End-of-clause)

H.2 RELEASE OF SENSITIVE INFORMATION (NFS 1852.237-73) (JUNE 2005)

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

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

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

Mark the title page with the following legend:

This proposal or document includes sensitive information that NASA shall not disclose outside the Agency and its service providers that support management activities and administrative functions. To gain access to this sensitive information, a service provider's contract must contain the clause at NFS 1852.237-72, Access to Sensitive Information. Consistent with this clause, the service provider shall not duplicate, use, or disclose the information in whole or in part for any purpose other than to perform the services specified in its contract. This restriction does not limit the Government's right to use this information if it is obtained from another source without restriction. The information subject to this restriction is contained in pages [insert page numbers or other identification of pages].

Mark each page of sensitive information the Contractor wishes to restrict with the following legend:

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

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

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

(1) Comply with all specified procedures and obligations, including the

Organizational Conflicts of Interest Avoidance Plan, which the contract has incorporated as a compliance document.

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

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

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

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

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

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

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

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

Contracting Officer may allow the service provider to conduct its own screening, provided the service provider employs substantially equivalent screening procedures.

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

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

(End-of-clause)

H.5 SMALL DISADVANTAGED BUSINESS PARTICIPATION--CONTRACT TARGETS

(This clause applies to all offerors including small disadvantaged businesses (SDBs).)

(a) FAR 19.1202-4(a) requires that SDB subcontracting targets be incorporated in the Contract. Targets for this contract are as follows:

*NAICS Industry

(TO BE PROPOSED BY ALL OFFERORS TO INCLUDE SDBs)

<u>Subsectors</u>	<u>Dollar Target</u>	<u>Percent of Contract Value</u>
<u>Total</u>		

(TO BE PROPOSED BY ALL OFFERORS TO INCLUDE SDBs)

*North American Industry Classification System (NAICS) Industry Subsectors as determined by the Department of Commerce as being underrepresented in accordance with FAR 19.201(b)

(b) FAR 19.1202-4(b) requires that SDB concerns that are specifically identified by the offeror be listed in the contract when the identification of such subcontractors was evaluated as part of the subfactor on Small Business Utilization. SDB concerns (subcontractors) specifically identified by the offeror are as follows:

Name of Concern(s): (TO BE PROPOSED BY OFFEROR)

The Contractor shall notify the Contracting Officer of any substitutions of the firms listed if the replacement contractor is not an SDB concern.

(c) If the prime offeror is an SDB the target for the work it intends to perform as the prime Contractor is as follows:

*NAICS Industry

(TO BE PROPOSED BY OFFEROR)

<u>Subsectors</u>	<u>Dollars</u>	<u>Percent of Contract Value</u>
<u>(TO BE PROPOSED BY OFFEROR)</u>		

(TO BE PROPOSED BY OFFEROR)

(End of clause)

H.6 PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL
FAR 52.204-9 (Jan 2006)

(a) The Contractor shall comply with agency personal identity verification procedures identified in the contract that implement Homeland Security Presidential Directive-12 (HSPD-12), Office of Management and Budget (OMB) guidance M-05-24, and Federal Information Processing Standards Publication (FIPS PUB) Number 201.

(b) The Contractor shall insert this clause in all subcontracts when the subcontractor is required to have physical access to a federally-controlled facility or access to a Federal information system.

(End of clause)

[END OF SECTION]

PART II - CONTRACT CLAUSES**SECTION I - CONTRACT CLAUSES****I.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE**

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.202-1	JUL 2004	DEFINITIONS
52.203-3	APR 1984	GRATUITIES
52.203-5	APR 1984	COVENANT AGAINST CONTINGENT FEES
52.203-6	JUL 1995	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT
52.203-7	JUL 1995	ANTI-KICKBACK PROCEDURES
52.203-8	JAN 1997	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-10	JAN 1997	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY
52.203-12	SEP 2005	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS
52.204-4	AUG 2000	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER
52.204-7	JUL 2006	CENTRAL CONTRACTOR REGISTRATION
52.204-9	SEP 2007	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL
52.209-6	JAN 2005	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT
52.211-5	AUG 2000	MATERIAL REQUIREMENTS
52.215-2	JUN 1999	AUDIT AND RECORDS--NEGOTIATION
52.215-8	OCT 1997	ORDER OF PRECEDENCE - UNIFORM CONTRACT FORMAT
52.215-11	OCT 1997	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA - MODIFICATIONS
52.215-13	OCT 1997	SUBCONTRACTOR COST OR PRICING DATA - MODIFICATIONS
52.215-14	OCT 1997	INTEGRITY OF UNIT PRICES
52.215-17	OCT 1997	WAIVER OF FACILITIES CAPITAL COST OF MONEY
52.215-21	OCT 1997	REQUIREMENTS FOR COST OR PRICING DATA OR

		INFORMATION OTHER THAN COST OR PRICING
52.216-18	OCT 1995	DATA - MODIFICATIONS
52.219-8	MAY 2004	INDEFINITE QUANTITY
52.219-9	APR 2008	UTILIZATION OF SMALL BUSINESS CONCERNS
		SMALL BUSINESS SUBCONTRACTING PLAN –
		ALTERNATE II (OCT 2001)
52.219-16	JAN 1999	LIQUIDATED DAMAGES
52.219-25	APR 2008	SMALL DISADVANTAGED BUSINESS PARTICIPATION
		PROGRAM – DISADVANTAGED STATUS AND
		REPORTING
52.222-3	JUN 2003	CONVICT LABOR
52.222-19	FEB 2008	CHILD LABOR – COOPERATION WITH
		AUTHORITIES AND REMEDIES
52.222-20	DEC 1996	WALSH-HEALEY PUBLIC CONTRACTS ACT
52.222-26	MAR 2007	EQUAL OPPORTUNITY
52.222-35	SEP 2006	EQUAL OPPORTUNITY FOR SPECIAL DISABLED
		VETERANS, VETERANS OF THE VIETNAM ERA,
		AND OTHER ELIGIBLE VETERANS
52.222-36	JUN 1998	AFFIRMATIVE ACTION FOR WORKERS WITH
		DISABILITIES
52.222-37	DEC 2001	EMPLOYMENT REPORTS ON SPECIAL
		DISABLED VETERANS, VETERANS OF THE
		VIETNAM ERA, AND OTHER ELIGIBLE
		VETERANS
52.222-39	DEC 2004	NOTIFICATION OF EMPLOYEE RIGHTS
		CONCERNING PAYMENT OF UNION DUES OR FEES
52.223-6	MAY 2001	DRUG-FREE WORKPLACE
52.223-14	AUG 2003	TOXIC CHEMICAL RELEASE REPORTING
52.225-1	FEB 2009	BUY AMERICAN ACT--SUPPLIES
52.225-13	JUN 2008	RESTRICTIONS ON CERTAIN FOREIGN
		PURCHASES
52.227-1	DEC 2007	AUTHORIZATION AND CONSENT (ALTERNATE
		I) (APR 1984)
52.227-2	DEC 2007	NOTICE AND ASSISTANCE REGARDING
		PATENT AND COPYRIGHT INFRINGEMENT
52.227-3	APR 1984	PATENT INDEMNITY
52.227-11	JUN 1997	PATENT RIGHTS--RETENTION BY THE
		CONTRACTOR (SHORT FORM) (AS MODIFIED
		BY NFS 1852.227-11) (MAY 2002)
52.227-14	DEC 2008	RIGHTS IN DATA -- GENERAL
52.227-16	JUN 1987	ADDITIONAL DATA REQUIREMENTS
52.229-3	APR 2003	FEDERAL, STATE, AND LOCAL TAXES
52.232-1	APR 1984	PAYMENTS
52.232-8	FEB 2002	DISCOUNTS FOR PROMPT PAYMENT
52.232-9	APR 1984	LIMITATION ON WITHHOLDING OF PAYMENTS
52.232-11	APR 1984	EXTRAS
52.232-17	JUN 1996	INTEREST
52.232-23	JAN 1986	ASSIGNMENT OF CLAIMS
52.232-25	OCT 2003	PROMPT PAYMENT
52.232-33	OCT 2003	PAYMENT BY ELECTRONIC FUNDS TRANSFER--
		CENTRAL CONTRACTOR REGISTRATION
52.233-1	JUL 2002	DISPUTES (ALTERNATE I) (DEC 1991)
52.233-3	AUG 1996	PROTEST AFTER AWARD
52.233-4	OCT 2004	APPLICABLE LAW FOR BREACH OF CONTRACT

		CLAIM
52.242-13	JUL 1995	BANKRUPTCY
52.243-1	AUG 1987	CHANGES--FIXED-PRICE (ALTERNATE V) (APR 1984)
52.243-7	APR 1984	NOTIFICATION OF CHANGES
52.244-6	FEB 2009	SUBCONTRACTS FOR COMMERCIAL ITEMS
52.245-1	JUN 2007	GOVERNMENT PROPERTY
52.245-9	JUN 2007	USE AND CHARGES
52.246-23	FEB 1997	LIMITATION OF LIABILITY
52.246-25	FEB 1997	LIMITATION OF LIABILITY --SERVICES (FEB 1997)
52.249-2	MAY 2004	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)
52.249-8	APR 1984	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)
52.252-6	APR 1984	AUTHORIZED DEVIATIONS IN CLAUSES (APR 1984)(INSERT "NASA FAR SUPPLEMENT (48 CFR CHAPTER 18" IN PARAGRAPH (b))
52.253-1	JAN 1991	COMPUTER GENERATED FORMS

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

CLAUSE NUMBER	DATE	TITLE
1852.204-76	NOV 2004 Deviation	SECURITY REQUIREMENTS FOR UNCLASSIFIED TECHNOLOGY INFORMATION RESOURCES
1852.215-84	JUN 2002	OMBUDSMAN NAME AND TELEPHONE NUMBER OF OMBUDSMAN ARE: Ms. Gwendolyn V. Young 661-276-3106 E-Mail: Gwen.V.Young@nasa.gov
1852.216-80	OCT 1996	TASK ORDERING PROCEDURE, ALTERNATE I (OCT 1996)
1852.219-74	SEP 1990	USE OF RURAL AREA SMALL BUSINESSES
1852.219-75	MAY 1999	SMALL BUSINESS SUBCONTRACTING REPORTING
1852.219-76	JUL 1997	NASA 8 PERCENT GOAL
1852.223-74	MAR 1996	DRUG AND ALCOHOL FREE WORKFORCE
1852.228-75	OCT 1988	MINIMUM INSURANCE COVERAGE
1852.235-70	FEB 2003	CENTER FOR AEROSPACE INFORMATION
1852.246-71	OCT 1988	GOVERNMENT CONTRACT QUALITY ASSURANCE FUNCTIONS (Final inspection will be performance at NASA Dryden Flight Research Center, Edwards, CA 93523)

(End Of Clause)

I.2 EXPORT LICENSES (NFS 1852.225-70)(FEBRUARY 2000)

- (a) The Contractor shall comply with all U.S. export control laws and regulations, including the International Traffic in Arms Regulations (ITAR), 22 CFR Parts 120 through 130, and the Export Administration Regulations (EAR), 15 CFR Parts 730 through 799, in the performance of this contract. In the absence of available license exemptions/exceptions, the Contractor shall be responsible for obtaining the appropriate licenses or other approvals, if required, for exports of hardware, technical data, and software, or for the provision of technical assistance.
- (b) The Contractor shall be responsible for obtaining export licenses, if required, before utilizing foreign persons in the performance of this contract, including instances where the work is to be performed on-site at NASA Dryden Flight Research Center, Edwards, CA 93523, where the foreign person will have access to export controlled technical data or software.
- (c) The Contractor shall be responsible for all regulatory record keeping requirements associated with the use of licenses and license exemptions/exception.
- (d) The Contractor shall be responsible for ensuring that the provisions of this clause apply to its subcontractors.

(End-of-Clause)

I.3 ORDERING (52.216-18) (Oct 1995)

- (a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from TBD through TBD.
- (b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.
- (c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(End of Clause)

I.4 ORDER LIMITATIONS (52.216-19) (Oct 1995)

- (a) *Minimum order.* When the Government requires supplies or services covered by this contract in an amount of less than \$1,000.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.
- (b) *Maximum order.* The Contractor is not obligated to honor --
- (1) Any order for a single item in excess of \$500,000.00.
 - (2) Any order for a combination of items in excess of \$1,000,000.00; or
 - (3) A series of orders from the same ordering office within thirty (30) calendar days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.
- (c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to

order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within five (5) workdays after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of Clause)

I.5 TASK ORDERING PROCEDURE (NFS 1852.216-80)(October 1996) and ALTERNATE I (October 1996)

(a) Only the Contracting Officer may issue task orders to the Contractor, providing specific authorization or direction to perform work within the scope of the contract and as specified in the schedule. The Contractor may incur costs under this contract in performance of task orders and task order modifications issued in accordance with this clause. No other costs are authorized unless otherwise specified in the contract or expressly authorized by the Contracting Officer.

(b) Prior to issuing a task order, the Contracting Officer shall provide the Contractor with the following data:

(1) A functional description of the work identifying the objectives or results desired from the contemplated task order.

(2) Proposed performance standards to be used as criteria for determining whether the work requirements have been met.

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

(c) Within fifteen (15) calendar days after receipt of the Contracting Officer's request, the Contractor shall submit a task plan conforming to the request.

(d) After review and any necessary discussions, the Contracting Officer may issue a task order to the Contractor containing, as a minimum, the following:

(1) Date of the order.

(2) Contract number and order number.

(3) Functional description of the work identifying the objectives or results desired from the task order, including special instructions or other information necessary for performance of the task.

(4) Performance standards, and where appropriate, quality assurance standards.

(5) Maximum dollar amount authorized (cost and fee or price). This includes allocation of award fee among award fee periods, if applicable.

(6) Any other resources (travel, materials, equipment, facilities, etc.) authorized.

- (7) Delivery/performance schedule including start and end dates.
- (8) If contract funding is by individual task order, accounting and appropriation data.
- (e) The Contractor shall provide acknowledgment of receipt to the Contracting Officer within five (5) calendar days after receipt of the task order.
- (f) If time constraints do not permit issuance of a fully defined task order in accordance with the procedures described in paragraphs (a) through (d), a task order which includes a ceiling price may be issued.
- (g) The Contracting Officer may amend tasks in the same manner in which they were issued.
- (h) In the event of a conflict between the requirements of the task order and the Contractor's approved task plan, the task order shall prevail.
- (i) Contractor shall submit monthly task order progress reports. As a minimum, the reports shall contain the following information:
- (1) Contract number, task order number, and date of the order.
 - (2) Task ceiling price.
 - (3) Cost and hours incurred to date for each issued task.
 - (4) Costs and hours estimated to complete each issued task.
 - (5) Significant issues/problems associated with a task.
 - (6) Cost summary of the status of all tasks issued under the contract.

(End of clause)

**I.6 CLAUSES INCORPORATED BY REFERENCE (FAR 52.252-2)
(FEB 1998)**

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

_____ <http://www.arnet.gov/far/> _____

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

(End of clause)

[END OF SECTION]

SECTION J - LIST OF ATTACHMENTS

Note: Total page count includes cover page

Attachment	Description	Date	No. of Pages
1.	Statement of Work entitled "NASA 100PW229 Engine Upgrades"	8/14/2009	3
2.	Government Furnished Property	7/31/2009	1
3.	Quality Assurance Plan	TBD	TBD
4.	Small Business Subcontracting Plan	TBD	TBD
Q-10	Verification Of Serviceability	11-97	1

**Attachment 1
Statement of Work
For
NASA F100PW229 Engine Upgrades
Dated August 14, 2009
RFP NND09300195R**

I. Introduction

NASA owns two F100-PW-229 engines that need to be brought into compliance with multiple past-due Time Compliant Technical Orders (TCTOs). This statement of work describes the tasks to be performed by Pratt & Whitney Military Aftermarket Services, Inc.-San Antonio Operations under the contract NND09XXXXC. Also described are those tasks to be performed by the government (NASA) and associated Government Furnished Materials (GFM).

II. Scope of Work

The effort described in this statement of work will be conducted within 12 months of awarding this contract.

Applicable Documents

All safety related (critical to safety of flight) and no-cost/schedule impact Technical Orders (TO) & TCTO changes received after contract award will be applied to work-in-process by the contractor upon receipt of the change and kit availability.

All safety related (critical to safety of flight(SOF)) with a cost / schedule impact TO & TCTO changes received after contract award will be applied to work in process (OCM'd modules not DD250'd and all subsequently OCM'd modules) on an over and above basis and kit availability.

Non-safety related TO & TCTO changes with a cost/schedule impact received after contract award will not be applied until such time that the changes can be negotiated as to price and schedule incorporation.

T.O. revisions and TCTO changes that do not affect cost or impact scheduling and are not classed as a SOF TCTO received after contract award will not be complied with on that module.

III. Condemnation Policies

The contractor 's inspection shall identify all accessible parts as either suitable for reuse, needed for rebuild or requiring repair.

Non-reparable, expendable parts shall be condemned locally. The contractor is exempt from any requirement to individually tag the scrap or condemned material.

Reparable, obsolete parts replaced during this maintenance shall be returned to the customer in a reparable, but necessarily serviceable condition.

IV. Handling/Inventory

The contractor shall have physical custody of end items and parts received at its facility and shall be responsible for their constant care during such custody.

V. Engine Records

The contractor shall maintain the engine historical data in Comprehensive Engine Management System (CEMS) for each engine and module. CEMS records shall be delivered with the engines and modules.

The contractor shall inspect all incoming engines, in accordance with applicable technical data and shall identify any necessary repairs which are not included in the workscope for the items included in the schedule of this contract and which will be considered to be over and above. Such conditions will include the following:

- Catastrophic failures resulting from foreign object damage, vibration, fire or failed components.
- Handling/transportation damage.
- Primary/Secondary damage caused by previous maintenance.
- Correction of conditions caused by previous maintenance that is unacceptable for further use.
- Damage or corrosion caused by improper preservation/storage.
- Anomalous conditions requiring maintenance not previously predicted.
- Missing items on engines as received

VI. Contractor Tasks

The contractor shall complete the following tasks to upgrade NASA's two F100-PW-229 engines:

1. **Inlet Fan.** Perform unscheduled maintenance per TOs 2J-F100-53-2 and 2J-F100-53-6.
 - a. Inspect the #1 bearing and repair if required.
 - b. Replace the 2nd stator per 2J-F100229(I)-527.
2. **Core.** Perform unscheduled maintenance and upgrade to 97 package configuration per TOs 2J-F100-53-2 and 2J-F100-53-7 and per TCTOs 2J-F100229(II)-548, 550, 551, and 552.
 - a. Comply with shotpeening of the intermediate case top strut per 2J-F100229(II)-555.
 - b. Install coke-free unstaged fuel nozzles per 2J-F100229(II)-557.
 - c. Upgrade staged fuel nozzles to the damped configuration per 2J-F100229(II)-567
 - d. Replace fuel manifold pigtails and install dampening brackets per 2J-F100229(II)-559 and 569.
 - e. Inspect #2, #3, and #4 bearings.
 - f. Inspect compressor stator linkage arm brackets per 2J-F100229(II)-571
3. **High Pressure Turbine (HPT).** Perform unscheduled maintenance and upgrade of one of the two HPTs to 97 package configuration per TOs 2J-F100-53-2 and 2J-F100-53-8 and per TCTOs 2J-F100229(VI)-516 & 518.
 - a. Incorporate serpentine 2nd blades per (VI)-528 and 529.
 - b. Complete inspection of the retaining plates per 2J-F100229(VI)-522 and -527.

The other HPT will be supplied as GFE.
4. **Low Pressure Turbine (LPT).** Perform unscheduled maintenance and upgrade of 3rd disk and installation of improved margin fasteners per TOs 2J-F100-53-2 and 2J-F100-53-9 and per TCTOs 2J-F100229(III)-527, -528, -529, and -530.
 - a. Incorporate brush seal on the turbine exhaust case per 2J-F100229(III)-525.
 - b. Replace 3rd and 4th stage airseal fasteners per 2J-F100229(III)-547

- c. Install new Hot Isostatic Pressed (hipped) 4th stage blades per 2J-F100229(III)-553.
 - d. Inspect #5 bearing.
5. **Gearbox.** Perform scheduled maintenance and upgrade to 3000 Mean Operating Hours (MOH) configuration per TOs 2J-F100-53-2 and 2J-F100-53-11.
- a. Install improved durability oil filter head per 2J-F100229(V)-520
 - b. reidentify the gearbox per 2J-F100229(V)-521
 - c. replace the chip detectors per 2J-F100(V)-573
6. **Augmentor.** Remove and upgrade liner per 2J-F100229(IV)-501, -502, and -505.
7. **Engine-Level.** Disassemble to remove modules per TOs 2J-F100-56-4 and 2J-F100-56-5.
- a. Install rear fan duct patch on original fan ducts per 2J-F100-593.
 - b. Upgrade Digital Engine Electronic Control (DEEC) logic per 6J3-4-117-520 or latest logic available
 - c. Upgrade Engine Diagnostic Unit (EDU) per 5E1-2-15-513 or latest logic available
 - d. Install electrical connector damping brackets and clamps per 2J-F100229-597
 - e. Inspect oil tank adapters per 2J-F100-965 and -966
 - f. Perform hose inspections per 2J-F100229-598 and -599
 - g. Perform inspections on the main fuel controls and replace mode solenoid covers per 6J3-4-118-511 and -515 and 2J-F100-955
 - h. Upgrade anti-ice valve per 15E2-4-20-502
 - i. Upgrade Convergent Exhaust Nozzle Control (CENC) per 6J3-8-21-504

Reassemble with repaired modules, reinstall original fan ducts, and original augmentor. Complete engine acceptance test per 2J-F100-11-2.

VII. NASA Tasks

1. NASA will deliver the two engines and all government furnished materials (GFM) to Pratt & Whitney in San Antonio. Pratt & Whitney will transport the upgraded engines from San Antonio to Edwards AFB for engine acceptance testing and subsequent final inspection and acceptance by the government and delivery to NASA Dryden.
2. NASA will deliver two production fan ducts to be installed. Existing PYBBN fan ducts will arrive installed in the engines. After removal, the PYBBN fan ducts will be returned to NASA at NASA expense.
3. Government furnished materials to be used by the contractor in the performance of the maintenance is listed as Attachment 2 in Section J of the contract.

Attachment 2
Government Furnished Materials
July 31, 2009
RFP NND09300195R

STOCK NUMBER	QUANTITY OF GOV'T FURNISHED PARTS (GFP)	U/I	NOMENCLATURE	VALUE, EA	ADDITIONAL PARTS NEEDED
2840-01-051-6393	2	EA	SEAL TURBINE	7.1	
2840-01-443-3148	2	EA	NOZZLE, TURBINE	5360.85	
2840-01-444-7672	2	EA	VANE COMPRESSOR	5279.92	
2840-01-448-0656	2	EA	CASE DIFFUSER	\$109,925.13	
2840-01-448-4926	2	EA	SEAL, AIR	\$4,762.80	
2840-01-448-6990	2	EA	CHAMBER CUMBUSTION	\$160,896.30	
2840-01-448-7032	2	EA	SEAL, AIR	\$1,243.39	
2840-01-448-7033	2	EA	SEAL, AIR	\$9,543.70	
2840-01-448-7035	2	EA	SEAL, AIR	\$12,339.90	
2840-01-448-7511	2	EA	SUPPORT, TURBINE	\$38,426.12	
2840-01-449-0769	46	EA	SEAL, AIR	\$10.27	
2840-01-449-2828	58	EA	SEAL, AIR	\$10.71	
2840-01-449-2830	58	EA	SEAL, AIR	\$6.04	
2840-01-449-2843	72	EA	DUCT, SEGMENT TURBINE	\$890.80	
2840-01-450-2337	2	EA	SUPPORT, TURBINE	\$23,976.77	
2840-01-451-4118	46	EA	SEAL, AIR	\$10.23	
2840-01-462-3954	2	EA	BLADE, TURBINE ROTOR	\$3,966.02	
2840-01-468-4182	1	EA	ROTOR, TURBINE	\$828,694.84	Need 1 more
2915-01-447-4514	24	EA	NOZZLE, FUEL	\$2,691.52	
2945-01-479-5356	0	EA	FILTER, FLUID	\$5,076.36	Need 2 more
3120-01-450-0772	46	EA	BUSHING, SLEEVE	\$74.02	
3120-01-450-0799	46	EA	BUSHING, SLEEVE	\$92.17	
3120-01-450-0881	46	EA	BUSHING, SLEEVE	\$47.25	
5305-00-935-2958	8	EA	SCREW, MACHINE	\$14.87	
5306-01-449-7778	46	EA	BOLT, MACHINE	\$10.09	
5306-01-449-8362	150	EA	BOLT, EXTERNALLY	\$6.66	
5306-01-452-6296	16	EA	BOLT, MACHINE	\$12.38	Need 16 more
5310-01-320-7364	46	EA	NUT, SELF-LOCKING	\$7.95	
5310-01-449-5928	16	EA	NUT, SELF-LOCKING	\$15.27	Need 16 more
5310-01-450-0704	150	EA	NUT, PLAIN	\$3.53	
5315-01-449-4450	2	EA	PIN, STRAIGHT HEAD	\$26.32	
5330-01-320-6399	4	EA	GASKET	\$63.91	
5330-01-322-3243	24	EA	GASKET	\$7.92	
5331-00-165-1941	4	EA	O-RING	\$0.25	
5331-01-194-4702	2	EA	O-RING	\$7.82	
5331-01-317-6349	4	EA	O-RING	\$4.15	
9905-00-515-1720	2	EA	PLATE, IDENTIFICATION	\$4.14	

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

L.1 LISTING OF CLAUSES INCORPORATED BY REFERENCE

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

I. FEDERAL ACQUISITION REGULATION (48 CFR CHAPTER 1)

CLAUSE NUMBER	DATE	TITLE
52.215-1	JAN 2004	INSTRUCTIONS TO OFFERORS - COMPETITIVE ACQUISITION – ALTERNATE I (JAN 2004)
52.219-24	OCT 2000	SMALL DISADVANTAGED BUSINESS PARTICIPATION PROGRAM - TARGETS.

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

CLAUSE NUMBER	DATE	TITLE
None included by reference.		

(End Of Clause)

L.2 PROPOSAL PREPARATION—GENERAL INTRUCTIONS

(a) It is NASA's intent, by providing the instructions set forth below, to solicit information that will demonstrate the offeror's capability to successfully complete the requirements specified in the Statement of Work. Generally, the proposal should:

- (1) Demonstrate understanding of the overall and specific requirements of the proposed contract.
- (2) Convey the company's capabilities for transforming understanding into accomplishment.
- (3) Present in detail, the plans and methods for so doing.
- (4) Identify the prices and/or costs to the Government associated with so doing.

(b) The Offeror will be responsible for satisfactory accomplishment of the contract awarded hereunder. In the event subcontractors or other teaming arrangements are proposed, their relationships during the effort shall be indicated, and their proposed contributions to the work and to the Offeror's proposal shall be identified and integrated into each part of the proposal as applicable.

(d) PROPOSAL CONTENT AND FORMAT

- (1) Offerors shall submit proposals in three sections as specified below. Each part of the proposal should be complete, and prepared in accordance with the solicitation instructions to enable concurrent and separate evaluation of each part. Instructions for each section are located in Section L of this solicitation.

SECTION	PROPOSAL SECTION REQUIRED
I.	Business Section Cover letter, completed sections B through K, price/cost information
II.	Technical Section Completed technical information requested below under paragraph L.3.

Diagrams, charts, tables, artwork, and photographs may be reduced and, if necessary, run landscape or folded to eliminate oversize pages. Text in diagrams, charts, tables, artwork, and photographs shall be no smaller than 10 point. Diagrams, charts, tables, artwork, and photographs shall not be used to circumvent the text size limitations of the proposal.

(2) All pages shall be numbered and identified with the offeror's name, RFP number and date. Subsequent revisions, if requested, shall be similarly identified to show revision number and date. A table of contents shall be provided with figures and tables listed separately.

(3) Offeror's and their major subcontractors are required to submit their proposals in two formats, one in a conventional hard copy format and one in a standardized 700 MB Compact Disk (CD) format. In the event of a discrepancy between the electronic format and the hard copy, the hard copy will be considered the intended text. The disk submission must be compatible with the software and hardware specification described below. Two disks (one original and one backup), each containing electronic files of Section I, II, and III, must be provided. They must be labeled externally with the Solicitation/RFP Number, Company Name, Date Prepared, have an indication of the files or range of files contained on the disk, and annotated "Source Selection Information - see FAR 3.104".

(4) The Government intends to use non-networked PC computers running Microsoft XP operating system to aid in the evaluation of price proposals. The Government will use Microsoft Office Word 2007 and Microsoft Office Excel 2007 for its evaluation of price proposals. Spreadsheets should be true self-calculating files. For pictures, NASA prefers JPG format. The following formats for pictures, drawings, figures, etc., may also be used: Adobe(.pdf).

(5) The proposal content shall provide a basis for evaluation against the requirements of the solicitation. Each section of the proposal shall specify the relevant evaluation criteria being addressed, if appropriate.

(6) Information shall be precise, factual, detailed and complete. Offerors shall not assume that the evaluation team is aware of company abilities, capabilities, plans, facilities, organization or any other pertinent fact that is important to accomplishment of the work as specified in the SOW. The evaluation will be based primarily on the information presented in the written proposal. The proposal shall specifically address each listed evaluation factor and subfactor.

- (e) In addition to the proposal submission requirements of FAR 52.215-1, Instructions to Offerors - Competitive Acquisition, the offeror shall include the following information in the proposal:

- (1) The pages from the RFP with the required offeror fill-ins. The balance of the RFP need not be returned unless the offeror has made changes to other pages that will constitute part of the contract. Any such changes must be separately identified as exceptions.
- (2) Quality Assurance Plan.
- (3) Small Disadvantaged Business Targets.
- (4) A technical description of the items and/or services being offered in sufficient detail to evaluate compliance with the requirements in the solicitation. This may include product literature, pictorial or graphic information, trade studies, test results, or other supporting data as necessary.
- (5) Identification of no more than 5 recent (performed within the past ten years) contracts for the same or similar items and/or services, preferably with the Government, listing contract number, contract value and type, agency name and point of contact (including address, telephone and fax numbers, and e-mail address), the items and/or services provided under the contract, and contract status (current, terminated (if so, why), successfully completed).

(f) PROPOSAL MARKING AND DELIVERY

(1) Receiving Office

The designated receiving office for proposals is the NASA Dryden Flight Research Center, Edwards, CA 93523-0273. The hours are 7:00 to 3:30 PM, Monday through Friday, local time, except Government Holidays.

Offerors must either deliver their proposal, modifications or withdrawals by U.S. Postal Service Mail or hand deliver* (includes the use of a commercial delivery service). Offerors shall contact the Contracting Officer identified in the RFP to coordinate the delivery of any proposal that will be hand carried to NASA Dryden Flight Research Center, Edwards, CA. Regardless of the delivery method chosen, the proposal must be closed and sealed as if for mailing.

*Note: Non-U.S. citizens will not be given access to the Dryden Flight Research Center or the DAOF for the purpose of proposal delivery.

(2) External Marking

“NASA Dryden Flight Research Center
Building 4876, Warehouse 6
M/S: D-1422
Edwards, CA 93523-0273
Attention: Robert Medina
RFP NND09300195R
PROPOSAL—DELIVER UNOPENED”

(g) DUE DATE FOR RECEIPT OF PROPOSALS

- (1) The due date and time for receipt of proposals is **2:00 P.M. (Pacific Standard Time) on September 8, 2009.**

- (2) Proposals received after the due date and time specified in Section L paragraph (g)(1) will be processed in accordance with FAR Clause 52.215-1 "Instructions to Offerors – Competitive Acquisitions."

[End of Provision]

L.8 BUSINESS SECTION

This must be a separate section.

(a) COVER LETTER

Include a cover letter with the proposal. The cover letter must be signed by an official authorized to contractually bind the offering company. As part of the letter, please provide the following information:

- (1) The names and phone numbers of persons to be contacted for clarification of questions of a technical nature.
- (2) A statement that the proposal is firm for a period of not fewer than 120 days.
- (3) A statement regarding acceptance of the anticipated contract provisions and proposed schedule, or specific exceptions taken to any of the terms and conditions.

(b) OFFEROR FILL INs (MODEL CONTRACT)

Model contract Sections B – I must be completed. The signed SF 33, model contract (Sections B – J) with the required fill-ins. The balance of the solicitation need not be returned, unless the offeror has made changes to other pages that will constitute part of the contract. Any such changes must be separately identified in the Summary of Exceptions.

The contract schedule refers to TBD, which is defined as TO BE DETERMINED AND WILL BE INSERTED IN

(c) SUMMARY OF EXCEPTIONS

Include a statement of acceptance of the anticipated contract provisions and proposed contract schedule, or list all specific exceptions to the terms, conditions, and requirements of Sections A through J of this solicitation. Statement of acceptance and/or list of exceptions shall be included in the Cover Letter. Include the reason for the exception, or refer to where the reason is addressed in the proposal. This list must include all exceptions, both "business" and "technical".

Include any new terms, conditions or clauses proposed by the offeror which are of benefit to NASA. Highlight exceptions in the margin of the proposal where they appear in the text.

Offerors are cautioned that exceptions or new terms, conditions, or clauses may result in a determination of proposal unacceptability (NFS 1815.305-70), may preclude award to an offeror if award is made without discussions, or may otherwise affect an offeror's competitive standing.

(d) PRICING INSTRUCTIONS

- (1) Offerors are instructed to complete the line item pricing in Section B.1 of the model contract: for each item in B.1 enter the proposed "Price Per Unit" and the proposed "Extended Item Price."

(2) Offerors are instructed to fill in the "Price Per Unit" for the following "Component Unit Pricing". The "Price Per Unit" shall be the offeror's fully-burdened price with profit.

CLIN	Description	Quantity	Unit	Unit Price	Extended Price
FIRM FIXED PRICE CLINS					
001	Teardown and Inspect	1	LOT	\$ TBD	\$ TBD
001A	Engine: PN 4068700	2	EA	\$ TBD	\$ TBD
001B	Inlet Fan: PN 4068721-804	2	EA	\$ TBD	\$ TBD
001C	Core: PN 4068722-811	2	EA	\$ TBD	\$ TBD
001D	LPT: PN 4080823-854	2	EA	\$ TBD	\$ TBD
001E	Gearbox: PN 4082609-800	2	EA	\$ TBD	\$ TBD
001F	Augmentor: PN 4068724-800	2	EA	\$ TBD	\$ TBD
002	Overhaul-Repair – assembly labor, repairs & CFM; FFP; IAW SOW	1	LOT	\$ TBD	\$ TBD
002A	Engine-Level assembly labor; output PN 4068700	2	EA	\$ TBD	\$ TBD
002B	Engine-level repairs and CFM; output PN 4068700	2	EA	\$ TBD	\$ TBD
002C	Inlet Fan assembly labor; output PN 4068721-807	2	EA	\$ TBD	\$ TBD
002D	Inlet fan repairs and CFM; output PN 4068721-807	2	EA	\$ TBD	\$ TBD
002E	Core assembly labor; output PN 4084522-804	2	EA	\$ TBD	\$ TBD
002F	Core repairs and CFM; output PN 4084522-804	2	EA	\$ TBD	\$ TBD
002G	LPT assembly labor; output PN 4080823-854	2	EA		
002H	LPT repairs and CFM; output PN 4080823-854	2	EA	\$ TBD	\$ TBD
002J	Gearbox assembly labor; output PN 4087025-800	2	EA	\$ TBD	\$ TBD
002K	Gearbox repairs and CFM; output PN 4087025-800	2	EA	\$ TBD	\$ TBD
002L	Augmentor assembly labor; output PN 4068724-800	2	EA	\$ TBD	\$ TBD
002M	Augmentor repairs and CFM; output PN 4068724-800	2	EA	\$ TBD	\$ TBD

[End of Provision]

L.3 TECHNICAL SECTION

This must be a separate section.

The content of the Technical Section shall provide the basis for evaluation of the offeror’s response to the technical requirements of the RFP. The full contents of this volume shall follow the organization of the sections which follow, and the content shall be as described in those sections.

- (1) The proposal must include a discussion of the offeror’s plan to meeting the requirements of the contemplated contract. The technical discussion should be specific, detailed, and complete enough to clearly and fully demonstrate that the offeror 1) understand the requirements and the inherent problems associated with the objectives of the procurement and 2) have the capability and experience with regards to the technical requirements. Stating that you understand and will comply with the specifications, or paraphrasing the specifications is inadequate as are phrases such as: “standard procedures will be employed” and “well-known techniques will be used.” The proposal must be sufficient as to how you propose to comply with the applicable requirements, including a full explanation of the techniques and procedures you propose to follow. Information previously submitted, if any, will be considered only to the extent it is resubmitted. It should not be incorporated by reference.

(2) QUALITY ASSURANCE PLAN

The offeror shall submit a detailed quality assurance plan as part of its proposal. The plan must include a detailed discussion of the policies, procedures, and techniques that will be used to ensure quality control of all products and services delivered under this contract in accordance with the higher-level quality standards identified in clause E3 of this solicitation. The plan must similarly address quality assurance for subcontractor products and services for any proposed subcontract. The plan must identify which sections apply while on contractors’ facilities and which sections apply while on NASA facilities. This plan, as approved by the Contracting Officer, will be included in any resulting contract.

(b) SMALL BUSINESS UTILIZATION (SUBFACTOR)

The offeror, must complete the portion of the instructions under Small Business Subcontracting specific to the Small Business Subcontracting Plan.

All offeror is required to respond to the Commitment to the Small Business Program.

The instructions regarding SDB participation apply to the offeror.

(a) Small Business Subcontracting

(1) Small Business Subcontracting Plan (the Plan) Required by the FAR:

- (i) This solicitation contains FAR clause 52.219-9, “Small Business Subcontracting Plan and its Alternate II”. The Plan described and required by the clause, including the associated subcontracting percentage goals and subcontracting dollars, shall be submitted with your proposal.
- (ii) The Contracting Officer’s assessment of appropriate subcontracting goals for this acquisition, expressed as a percent of TOTAL CONTRACT VALUE (basic and all options combined), is as follows:

Small Businesses (SB)	10%
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Small Disadvantaged Business Concerns (SDB) (Includes SDB's in represented and under-represented areas*	5%
Women Owned Small Business Concerns (WOSB)	1%
Historically Black Colleges and Universities (HBCU)	1%
HUBZone Small Business Concerns (HBZ)	3%
Veteran Owned Small Business Concerns (VOSB)	1%
Service-Disabled Veteran-Owned Small Business Concerns (SDVOSB)	3%

*Although 15 U.S.C. 637(d) requires subcontracting plans to contain information about SDB concerns, case law prevents the Government from giving evaluation credit to business types based on race or ethnicity unless those businesses are in under-represented industries. For purposes of the Small Business Subcontracting Plan, the proposed subcontracting goal for SDBs will be evaluated based upon the SDB's status as a small business.

(iii) The numbers above reflect the Contracting Officer's assessment of the appropriate subcontracting goals to be achieved at the completion of contract performance. If it is anticipated that the proposed small business goals will not be met by the submission of the first Individual Subcontracting Report (ISR) for this effort as required by 52.219-9 Small Business Subcontracting Plan, the offeror should discuss their approach to include timeline for meeting these goals and the rationale for it.

(iv) Offerors are encouraged to propose goals that are equivalent to or greater than those recommended by the Contracting Officer. However, offerors must perform an independent assessment of the small business subcontracting opportunities.

(v) The Plan submitted with the proposal shall be incorporated in Section J as Attachment F in the resulting contract. The requirements in the Plan must flow down to first tier large business subcontracts expected to exceed \$550,000 or \$1,000,000 for construction of a public facility. Although these first tier large business subcontractors are encouraged to meet or exceed the stated goals, it is recognized that the subcontracting opportunities available to these subcontractors may differ from those suggested in the solicitation based upon the nature of their respective performance requirements.

(vi) Offerors are advised that a proposal will not be rejected solely because the submitted Plan does not meet the NASA recommended goals that are expressed in paragraph (a) (2) above in terms of percent of TOTAL CONTRACT VALUE (basic and all options combined). NASA will consider the amount of work being retained for performance by the prime contractor in-house when determining whether a subcontracting plan is acceptable. Offerors shall discuss the rationale for any goal proposed that is less than the Contracting Officer's recommended goal in any category. In addition, the Offeror shall describe the efforts made to establish a goal for that category and what ongoing efforts, if any, the Offeror plans during performance to increase participation in that category.

(vii) In addition to submitting a Small Business Subcontracting Plan in accordance with Section I, FAR clause 52.219-9, Alternate II, offerors shall complete SMALL BUSINESS SUBCONTRACTING GOALS, which provides a breakdown of the offeror's proposed goals, by small business category, expressed in terms of both a percent of TOTAL CONTRACT VALUE

and a percent of TOTAL PLANNED SUBCONTRACTS. Offerors shall modify the exhibit to show the proposed subcontracting goals for the basic contract requirement and each option separately.

Example of Subcontracting Goals as expressed in both Contract Value and subcontract Value for a contract proposed at \$100M and estimated subcontracts of \$50M:

	<i>Column A</i>	<i>Column B</i>	<i>Column C</i>
Business Category	Goal as Percent of Contract Value	Dollar Value to be subcontracted per Category	Goal as Percent of Subcontracting Value
Small Business Concerns	25 percent	\$25,000,000	50 percent
Large Business Concerns	n/a	\$25,000,000	50 percent
Total Dollars to be Subcontracted	n/a	\$50,000,000	100 percent
<p><i>The following small business subcategories do not necessarily add up to the percentage and dollar amount in the "Small Business Concerns" category above, since some small businesses do not fall into any of the subcategories below, while others will fall into more than one subcategory below.</i></p>			
Subcategories of Small Business Concerns			
Women Owned Small Business Concerns	9 percent	\$9,000,000	18 percent
Small Disadvantaged Business Concerns	5.5 percent	\$5,500,000	11 percent
Veteran Owned Small Business Concerns	2.5 percent	\$2,500,000	5 percent
Service-Disabled Veteran-Owned Small Business Concerns	1.5 percent	\$1,500,000	3 percent
HUBZone Small Business Concerns	1.5 percent	\$1,500,000	3 percent
Historically Black Colleges and Universities	1.5 percent	\$1,500,000	3 percent

It is recommended that offerors first complete Column B by entering the dollar amount the offeror proposes to subcontract to each business category and subcategory.

To complete Column A, divide the dollar amount in Column B by the **total offered price of the proposal** (that is, total contract value). In the example above, Column A for Veteran Owned Business Concerns = \$2,500,000 divided by \$100,000,000, or 2.5%.

To complete column C, divide the corresponding amount in Column B by the amount in the “Total Dollars to be Subcontracted” cell in Column B. In the example above, Column C for Women-Owned Small Businesses = \$9,000,000 divided by \$50,000,000, or 18%.

Note: the “Total Dollars to be Subcontracted” amount in Column C will always be that category divided by itself (100% if any dollars are subcontracted).

(b) Commitment to the Small Business Program

(1) All Offerors shall briefly describe work that will be performed by small businesses. Proposals should also identify any work to be subcontracted that is considered “high technology.” High Technology is defined as research and development efforts that are within or advance the state-of-the-art in technology discipline and are performed primarily by professional engineers, scientists, and highly skilled and trained technicians or specialists

(2) If the subcontractor(s) is known, offerors must connect the work to the subcontractor and specify the extent of commitment to use the subcontractor (s) (enforceable vs. non-enforceable commitments). (Small business offerors shall provide this information to the extent subcontracting opportunities exist in their approach to performing the requirement.)

(3) All Offerors shall provide information demonstrating the extent of commitment to utilize small business concerns and to support their development. Information provided should include a brief description of established or planned procedures and organizational structure for Small Business outreach, assistance, participation in the Mentor Protégé program, counseling, market research and Small Business identification, and relevant purchasing procedures. (For Large Business Offerors, this information should conform to applicable portions of your submitted Small Business Subcontracting Plan. Small Business Offerors shall provide this information to the extent subcontracting opportunities exist in their approach to performing the requirement.)

(c) Small Disadvantage Business (SDB) Participation:

Small Disadvantaged Business Participation – Contract Targets:

(1) After completing an independent assessment of the opportunities available for subcontracting with small disadvantaged firms in under-represented areas, Offerors shall propose a target for SDB participation by completing the Section H clause at H.5, Small Disadvantaged Business Participation – Contract Targets, to include identification of SDB subcontractors and associated NAICS Industry Subsectors. The target for SDB participation in clause H.5 shall be expressed as a percent of TOTAL CONTRACT VALUE (basic and all options combined). The targets shall only include subcontracts with SDB concerns in those industries designated by the Department of Commerce as under-represented areas by NAICS Industry Subsector. The General Services Administration has posted this Department of Commerce determination at <http://www.arnet.gov/References/sdbadjustments.htm>. If the Offeror is an SDB, it shall provide with its offer a target for the work that it intends to perform. Like other offerors, an SDB prime should provide a target for the intended to be performed by a first tier subcontractor in the authorized subsectors.

(2) **Guidance for completing the tables in Section H.5 (a) and (c):** The Department of Commerce determination uses Standard Industry Codes (SIC) instead of NAICS. Offerors may use the following steps to convert SIC to NAICS, and to complete Section H.10.

- (i) Using the website below, identify the applicable 6-digit 2007 NAICS Code, **and** the corresponding 6-digit 2002 NAICS Code, for the work that is to be subcontracted to a small disadvantaged business. The 2007 and 2002 Codes may or may not be the same as one another.

<http://www.census.gov/cgi-bin/sssd/naics/naicsrch?chart=2007>

- (ii) Using the website listed below, convert the corresponding **2002** NAICS code to the corresponding 1987 Standard Industry Code (SIC).

<http://www.census.gov/epcd/naics02/N02TOS87.HTM>

- (iii) Using the website listed below, determine if the corresponding 1987 SIC is under-represented. If the “SIC Major Group” (e.g., the first two digits of the corresponding 1987 SIC) is listed on the website below, that SIC Major Group, and the corresponding 2002/2007 NAICS codes, are considered to be under-represented.

<http://www.arnet.gov/References/sdbadjustments.htm>

- (iv) List the applicable under-represented **2007** NAICS code(s) in the “NAICS Industry Subsectors” column in the applicable table in Section H.10, along with the data required by the remaining columns in the table.

(End of provision)

(c) **SUMMARY OF DEVIATIONS/EXCEPTIONS (TECHNICAL PROPOSAL)**

Identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to these Technical proposal instructions.

(End of provision)