

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-C9	PAGE OF PAGES 1 18
2. CONTRACT NUMBER	3. SOLICITATION NUMBER N00173-08-R-TA05	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 9 May 2008	6. REQUISITION/PURCHASE NUMBER 81-4128-08	
7. ISSUED BY CONTRACTING OFFICER NAVAL RESEARCH LABORATORY 4555 OVERLOOK AVE., SW WASHINGTON DC 20375-5320		CODE N00173	8. ADDRESS OFFER TO (If other than Item 7)		

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

SOLICITATION

9. Sealed offers in original and 1 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in BLDG 222, RM 115 until 4:00 PM local time 06/09/2008
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME MR TOMMY R. ALBRECHT	B. TELEPHONE (NO COLLECT CALLS)		C. E-MAIL ADDRESS tommy.albrecht@nrl.navy.mil
		AREA CODE 202	NUMBER 767-3003	EXT.

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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

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

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER <small>(Type or print)</small>		
15B. TELEPHONE NUMBER		15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE. <input type="checkbox"/>	17. SIGNATURE		18. OFFER DATE
AREA CODE	NUMBER				

AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)) <input type="checkbox"/> 41 U.S.C. 253(c) ()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	
24. ADMINISTERED BY (If other than Item 7) CODE		25. PAYMENT WILL BE MADE BY CODE	
26. NAME OF CONTRACTING OFFICER (Type or print)		27. UNITED STATES OF AMERICA <i>(Signature of Contracting Officer)</i>	
		28. AWARD DATE	

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

**PART I - THE SCHEDULE
SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS**

B-1 SUPPLIES OR SERVICES AND PRICES/COSTS

ITEM NUMBER	SUPPLIES OR SERVICES	QTY	UNIT	UNIT AMOUNT	TOTAL AMOUNT
0001	The Contractor shall provide supplies in accordance with Section C.	1.	EA.		

TOTAL DOLLAR AMOUNT FOR CLINs*: \$

*CONTRACT LINE ITEM NUMBER

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

C-1 Items furnished under this contract shall comply with Attachment (1), Specifications with Exhibit A, DD Form 1423, Contracts Data Requirements List, and all other Attachments cited in Section J, which are incorporated by reference into Section C.

**SECTION D
PACKAGING AND MARKING**

D-1 Preservation, packaging, packing and marking of all deliverable contract line items must conform to normal commercial packing standards to assure safe delivery at destination.

D-2 The Contractor shall mark all shipments under this contract in accordance with the edition of ASTM-D-3951-90 "Standard Practice for Commercial Packaging" in effect on the date of the contract.

**SECTION E
INSPECTION AND ACCEPTANCE**

E-1 INSPECTION AND ACCEPTANCE CLAUSES BY REFERENCE:

FAR CLAUSE	TITLE
52.246-2	- Inspection Of Supplies - Fixed -Price (AUG 1996)
52.246-16	- Responsibility For Supplies (APR 1984)

DFARS CLAUSE TITLE

252.246-7000 - Material Inspection And Receiving Report (MAR 2008)

E-2 INSPECTION AND ACCEPTANCE

Inspection and acceptance of the final delivery will be accomplished by the Technical Manager (TM) or Contracting Officer Representative (COR) designated in Section G of this contract . Inspection and acceptance will be performed at the Naval Research Laboratory, Washington DC 20375-5320.

**SECTION F
DELIVERIES OR PERFORMANCE**

F-1 DELIVERIES OR PERFORMANCE CLAUSES BY REFERENCE:

FAR CLAUSE TITLE

- 52.211-16 - Variation In Quantity (APR 1984) - The permissible variation shall be limited to:
Percent increase (fill in 0)
Percent decrease (fill in 0)
This increase or decrease shall apply to _____.
- 52.211-17 - Delivery Of Excess Quantities (SEP 1989)
- 52.242-15 - Stop-Work Order (AUG 1989)
- 52.242-17 - Government Delay Of Work (APR 1984)
- 52.247-34 - F.O.B. Destination (NOV 1991)

F-2 FAR 52.211-8 - TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

REQUIRED DELIVERY SCHEDULE		
<i>[Contracting Officer insert specific details]</i>		
Item No.	Quantity	Within Days After Date Of Contract
0001	1 EA	180

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified above. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified above, will be considered nonresponsive and rejected. The Government reserves the right to award under

either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule above will apply.

OFFEROR'S PROPOSED DELIVERY SCHEDULE		
Item No.	Quantity	Within Days After Date Of Contract

(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (i) five calendar days for delivery of the award through the ordinary mails or (ii) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

F-3 DELIVERIES OR PERFORMANCE

(a) The period of performance under this contract shall be from the date of award through one hundred eighty (180) days thereafter. .

(b) The principal place of performance of this contract shall be at the Contractor's facility.

F-4 PLACE OF DELIVERY - FOB DESTINATION

The contractor shall deliver supplies, all transportation charges paid, to destination in accordance with the clause in Section F of the Schedule titled FAR 52.247-34 FOB Destination (NOV 1991).

Receiving Officer
 Naval Research Laboratory
 Contract Number
 ATTN: *
 CODE: *
 LOCATION: *
 Bldg. 49

4555 Overlook Avenue, SW
Washington DC 20375-5320

(* To be filled in at time of award.)

SECTION G CONTRACT ADMINISTRATION DATA

G-1 PROCURING OFFICE REPRESENTATIVE

In order to expedite administration of the contract, the Administrative Contracting Officer (ACO) will direct inquiries to the appropriate office listed below. Please do not direct routine inquiries to the person listed in Item 20A on Standard Form 26.

Security Matters- Contracting Officer for Security, Code 1226, (202) 767-2240, DSN 297-2240, email security-group@nrl.navy.mil

Safety Matters- Head, Safety Branch, Code 3540, (202)767-2232, DSN 297-2232, , email safety@nrl.navy.mil

Patent Matters- Associate Counsel (Intellectual Property), Code 1008.2, (202)404-1552, DSN 297-1552, email patents@nrl.navy.mil

Release of Data- Public Affairs Officer, Code 1030 (202) 767-2541, DSN 297-2541, email publicaffairs@nrl.navy.mil

G-2 PAYMENT AND INVOICE INSTRUCTIONS

In accordance with the contract clause, *Electronic Submission of Payment Requests and Receiving Reports* (DFARS 252.232-7003), the contractor must submit requests for payment electronically in the Wide Area Workflow (WAWF). It may be accessed at its homepage <https://wawf.eb.mil/>. If the contractor has not registered with WAWF, instructions for doing so may be accessed at: <https://wawf.eb.mil/vreg.htm> . The designated Electronic Business (EB) point of contact in the Central Contractor Registration (CCR) is the person responsible for activating the company's CAGE code in WAWF by calling 1-866-618-5988.

Use the appropriate Item Number stated in Section B of the contract (e.g., 0001, 0002 or 0001AA, 0001AB, etc).

If the contract contains multiple accounting classification reference numbers (ACRNs), the ACRN(s) from which payment is to be made must be cited on the invoice. If more than one ACRN is cited, the invoice must indicate the amounts to be paid from each. Information may be obtained from the COR to assist the contractor in determining the appropriate ACRNs from which payment is to be made.

ROUTING TABLE	
DATA REQUIRED FOR SUBMISSION OF INVOICE TO WAWF	
Document Type	<input checked="" type="checkbox"/> Invoice and Receiving Report (COMBO) <input type="checkbox"/> Invoice as 2-in-1 (services only)
Contract Number	N00173-08-
Issued By DoDAAC	N00173
Admin By DoDAAC	
Pay DoDAAC	
LPO	N00173
Ship To DoDAAC	N00173 Extension
Service Acceptor	N00173 Extension
CAGE Code	

IMPORTANT: When using WAWF, utilize the “**Send More Email Notifications**” function in WAWF. This additional notification is important to ensure the Government Acceptor is aware that the invoice documents have been submitted into the WAWF system.

Send More Email Notifications	
Acceptor email	@nrl.navy.mil

For assistance with the WAWF system, you may contact the Navy WAWF Assistance Line : 1-800-559-WAWF(9293).

G-3 CONTRACTING OFFICER’S REPRESENTATIVE (COR) - FUNCTIONS AND LIMITATIONS

* @nrl.navy.mil is hereby designated the cognizant COR who will represent the Contracting Officer in the technical monitoring and administration of this contract. In accordance with Section E, the COR will accomplish inspection and acceptance of deliverables under this contract. The COR is not otherwise authorized to make any representations or commitments of any kind on behalf of the Contracting Officer or the Government. The COR does not have the authority to alter the Contractor's obligations or change the specifications in the contract. If, as a result of technical discussions, it is desirable to alter contract obligations or the statement of work, a modification must be issued in writing and signed by the Contracting Officer. Unless terminated sooner, this appointment is effective for the period of performance of this contract including any options, if exercised. COR authority may not be redelegated. No change in COR assignment shall be made without written notice by the Contracting Officer, who will modify the contract to reflect the change of COR assignment.

(* To be completed at time of award)

SECTION H

SPECIAL CONTRACT REQUIREMENTS**H-1 TYPE OF CONTRACT**

(To be filled in at time of award)

H-2 REPRESENTATIONS AND CERTIFICATIONS

The Contractor's ORCA Representations and Certifications valid from to are incorporated herein by reference.

The Contract Specific Representations and Certifications submitted by the contractor for this award are hereby incorporated by reference.

(*To be filled in at time of award)

H-3 ELECTRONIC AND INFORMATION TECHNOLOGY (EIT)

In accordance with Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), all EIT supplies and services provided under this contract must comply with the applicable accessibility standards issued by the Architectural and Transportation Barriers Compliance Board at 36 CFR part 1194 (see FAR Subpart 39.2). Electronic and information technology (EIT) is defined at FAR 2.101.

**PART II - CONTRACT CLAUSES
SECTION I
CONTRACT CLAUSES**

I-1 FAR 52.252-2 - CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available.

Also, the full text of a clause may be accessed electronically at this/these address(es):

<http://www.acqnet.gov/far>

<http://heron.nrl.navy.mil/contracts/home.htm>

a. FEDERAL ACQUISITION REGULATION CLAUSES**FAR CLAUSE TITLE**

52.202-1	-	Definitions (JUL 2004)
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 (SEP 2006)
52.203-7	-	Anti-Kickback Procedures (JUL 1995)
52.203-8	-	Cancellation, Rescission, And Recovery Of Funds For Illegal Or Improper Activity

- (JAN 1997)
- 52.203-10 - Price Or Fee Adjustment For Illegal Or Improper Activity (JAN 1997)
 - 52.203-12 - Limitation On Payments To Influence Certain Federal Transactions (SEP 2007)
 - 52.204-4 - Printed Or Copied Double-Sided On Recycled Paper (AUG 2000)
 - 52.204-7 - Central Contractor Registration (JUL 2006)
 - 52.209-6 - Protecting The Government's Interest When Subcontracting With Contractors Debarred, Suspended, Or Proposed For Debarment (SEP 2006)
 - 52.211-5 - Material Requirements (AUG 2000)
 - 52.211-15 - Defense Priority And Allocation Requirements (SEP 1990)
 - 52.215-2 - Audit And Records-Negotiation (JUN 1999)
 - 52.215-8 - Order Of Precedence - Uniform Contract Format (OCT 1997)
 - 52.215-14 - Integrity Of Unit Prices (OCT 1997)
 - 52.215-17 - Waiver Of Facilities Capital Cost Of Money(OCT 1997) (*will be included if the successful offeror does not propose facilities capital cost of money*)
 - 52.215-21 - Requirements For Cost Or Pricing Data Or Information Other Than Cost Or Pricing Data -Modifications (OCT 1997)
 - 52.219-4 - Notice Of Price Evaluation Preference For HUBZone Small Business Concerns (JUL 2005) Offeror elects to waive the evaluation preference.
 - 52.219-8 - Utilization Of Small Business Concerns (MAY 2004)
 - 52.222-3 - Convict Labor (JUN 2003)
 - 52.222-19 - Child Labor – Cooperation With Authorities And Remedies (FEB 2008)
 - 52.222-20 - Walsh-Healey Public Contracts Act (DEC 1996)
 - 52.222-21 - Prohibition of Segregated Facilities (FEB 1999)
 - 52.222-26 - Equal Opportunity (MAR 2007)
 - 52.222-35 - Equal Opportunity For Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (SEP 2006)
 - 52.222-36 - Affirmative Action For Workers With Disabilities (JUN 1998)
 - 52.222-37 - Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, And Other Eligible Veterans (SEP 2006)
 - 52.222-39 - Notification Of Employee Rights Concerning Payment Of Union Dues Or Fees (DEC 2004)
 - 52.222-50 - Combating Trafficking In Persons (AUG 2007)
 - 52.223-6 - Drug-Free Workplace (MAY 2001)
 - 52.223-14 - Toxic Chemical Release Reporting (AUG 2003)
 - 52.225-13 - Restrictions On Certain Foreign Purchases (FEB 2006)
 - 52.227-1 - Authorization And Consent (DEC 2007)
 - 52.227-2 - Notice And Assistance Regarding Patent And Copyright Infringement (DEC 2007)
 - 52.227-3 - Patent Indemnity (APR 1984)
 - 52.229-3 - Federal, State, And Local Taxes (APR 2003)
 - 52.232-1 - Payments (APR 1984)
 - 52.232-8 - Discounts For Prompt Payment (FEB 2002)
 - 52.232-9 - Limitation On Withholding Of Payments (APR 1984)
 - 52.232-11 - Extras (APR 1984)
 - 52.232-16 - Progress Payments (APR 2003)
 - 52.232-16 - Progress Payments (APR 2003) Alternate I (MAR 2000)
 - 52.232-17 - Interest (JUN 1996)
 - 52.232-23 - Assignment Of Claims (JAN 1986)

- 52.232-25 - Prompt Payment (OCT 2003)
- 52.232-33 - Payment By Electronic Funds Transfer-Central Contractor Registration (OCT 2003)
- 52.233-1 - Disputes (JUL 2002)
- 52.233-3 - Protest After Award (AUG 1996)
- 52.233-4 - Applicable Law For Breach Of Contract Claim (OCT 2004)
- 52.242-13 - Bankruptcy (JUL 1995)
- 52.243-1 - Changes - Fixed Price (AUG 1987)
- 52.244-6 - Subcontracts For Commercial Items (MAR 2007)
- 52.246-24 - Limitation Of Liability - High-Value Items (FEB 1997)
- 52.249-2 - Termination For Convenience Of The Government (Fixed Price) (SEP 1996)
- 52.249-8 - Default (Fixed-Price Supply And Service) (APR 1984)
- 52.252-6 - Authorized Deviations In Clauses (APR 1984) fill in Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2);
- 52.253-1 - Computer Generated Forms (JAN 1991)

DFARS CLAUSE TITLE

- 252.201-7000 - Contracting Officer's Representative (DEC 1991)
- 252.203-7001 - Prohibition On Persons Convicted Of Fraud Or Other Defense Contract Related Felonies (DEC 2004)
- 252.204-7003 - Control Of Government Personnel Work Product (APR 1992)
- 252.204-7004 - Alternate A Central Contractor Registration (SEP 2007)
- 252.209-7004 - Subcontracting With Firms That Are Owned Or Controlled By The Government Of A Terrorist Country (MAR 1998)
- 252.211-7003 - Item Identification And Valuation (JUN 2005) (*fill in none* in (c)(1)(ii) and (c)(1)(iii))
- 252.215-7004 - Excessive Pass-Through Charges (APR 2007)
- 252.225-7012 - Preference For Certain Domestic Commodities (MAR 2008)
- 252.225-7013 - Duty-Free Entry (OCT 2006)
- 252.225-7014 - Preference For Domestic Specialty Metals (JUN 2005)(DEVIATION 2007-O0011)
- 252.225-7016 - Restriction On Acquisition Of Ball And Roller Bearings (MAR 2006)
- 252.225-7021 - Trade Agreements (MAR 2007)
- 252.225-7025 - Restriction On Acquisition Of Forgings (JUL 2006)
- 252.231-7000 - Supplemental Cost Principles (DEC 1991)
- 252.232-7003 - Electronic Submission of Payment Requests and Receiving Reports (MAR 2008)
- 252.232-7004 - DoD Progress Payment Rates (OCT 2001)
- 252.232-7010 - Levies On Contract Payments (DEC 2006)
- 252.242-7004 - Material Management And Accounting System (NOV 2005)
- 252.243-7001 - Pricing Of Contract Modifications (DEC 1991)
- 252.243-7002 - Requests For Equitable Adjustment (MAR 1998)
- 252.244-7000 - Subcontracts For Commercial Items And Commercial Components (DOD Contracts) (JAN 2007)
- 252.247-7023 - Transportation Of Supplies By Sea (MAY 2002)
- 252.251-7000 - Ordering From Government Supply Sources (OCT 2002)

**I-2 FAR 52.219-28 - POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION
(JUNE 2007)**

(a) Definitions. As used in this clause—

Long-term contract means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts—

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the exercise date specified in the contract for any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at

<http://www.sba.gov/services/contractingopportunities/sizestandardsttopics/>.

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the rerepresentation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, as necessary, to ensure they reflect current status. The Contractor shall notify the contracting office by e-mail, or otherwise in writing, that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in ORCA, or does not have a representation in ORCA for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it is, is not a small business concern under NAICS Code _____ assigned to contract number _____.

[Contractor to sign and date and insert authorized signer's name and title].

I-3 FAR 52.223-11 - OZONE-DEPLETING SUBSTANCES (MAY 2001)

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

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

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

WARNING

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

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

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J

LIST OF ATTACHMENTS

J-1 Attachment (1) - Specifications - 6 Pages, with Exhibit A - DD Form 1423, Contract Data Requirements - 1 Page.

J-2 Attachment (2) - Accounting and Appropriation Data. 1 page. *

(To be included at time of award)*

PART IV - REPRESENTATIONS AND INSTRUCTIONS

SECTION K

REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS OR RESPONDENTS

K-1 REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS OR

RESPONDENTS

In accordance with FAR 4.1201, prospective contractors must complete electronic annual representations and certifications via the Online Representations and Certifications Application (ORCA) at <http://orca.bpn.gov> in conjunction with required registration in the Central Contractor Registration (CCR) at <http://www.ccr.gov> database. The representations and certification must be updated as necessary, but at least annually, to ensure they are kept current, accurate and complete.

In addition, each offeror must complete the additional contract specific representations and certifications below:

K-2 FAR 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (JAN 2006)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is see Section K-3 [insert NAICS code].

(2) The small business size standard is see Section K-3 [insert size standard].

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the clause at 52.204-7, Central Contractor Registration, is included in this solicitation, paragraph (c) of this provision applies.

(2) If the clause at 52.204-7 is not included in this solicitation, and the offeror is currently registered in CCR, and has completed the ORCA electronically, the offeror may choose to use paragraph (c) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (c) applies.

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

(c) The offeror has completed the annual representations and certifications electronically via the Online Representations and Certifications Application (ORCA) website at <http://orca.bpn.gov>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR CLAUSE #	TITLE	DATE	CHANGE
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Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on ORCA.

K-3 FILL IN FOR FAR 52.219-1 - SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004)

The fill in information is as follows:

- (a) (1) The NAICS code for this acquisition is 333314.
 (2) The small business size standard is 500 employees.

**SECTION L
 INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS OR RESPONDENTS**

L-1 FAR 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions 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. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.acqnet.gov/far>
<http://heron.nrl.navy.mil/contracts/home.htm>

FAR CLAUSE TITLE

- 52.214-34 - Submission Of Offers In The English Language (APR 1991)
 52.214-35 - Submission Of Offers In U.S. Currency (APR 1991)
 52.215-1 - Instructions To Offerors- Competitive Acquisition (JAN 2004)
 52.215-16 - Facilities Capital Cost Of Money (JUN 2003)
 52.232-13 - Notice Of Progress Payments (APR 1984)
 52.232-28 - Invitation To Propose Performance-Based Payments (MAR 2000)

DFAR CLAUSE TITLE

- 252.209-7001 - Disclosure Of Ownership Or Control By The Government Of A Terrorist Country (OCT 2006)

- 252.211-7005 - Substitutions For Military Or Federal Specifications And Standards (FEB 2003)

L-2 INSTRUCTIONS FOR SUBMISSION OF PROPOSALS/OFFERS

All proposals shall be submitted in accordance with FAR 52.215-1- *Instructions to Offerors- Competitive Acquisition*. Proposals/offers submitted in paper media through the United States Postal Service (USPS) or overnight delivery services shall be addressed :

Contracting Officer, ATTN: Code 3230

RFP No. N00173-08-R-TA05

Closing Date: 9 June 2008

Time: 16:00 Hrs.

Naval Research Laboratory

4555 Overlook Avenue, S.W.

Washington, D.C. 20375

Proposals may be hand delivered to the Contracting Office, NRL, 4555 Overlook Avenue, S.W., Washington, D.C. 20375, Building 222, Room 115 between the hours of 8AM until 4PM, local time, excluding weekends and federal holidays. NRL is a controlled-access facility. Photo identification will be required. Report first to Building 72, Visitor Control for access to NRL. After receiving a Visitor Pass, proceed directly to Building 222, Room 115, Contracting Office Receptionist to deliver the proposal. All offerors shall allow sufficient time for delivery of their proposal to the Contracting Office prior to the closing date and time announced in the solicitation. Directions and additional information about NRL is available at <http://www.nrl.navy.mil/aboutdc.htm>

If facsimile proposals are authorized, contracting officers may request offeror(s) to provide the complete; original signed proposal at a later date.

L-3 FAR 52.211-14 - NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be a DX rated order; DO rated order certified for national use under the Defense Priorities and Allocations system (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

L-4 FAR 52.215-20 REQUIREMENTS FOR COST OR PRICING DATA OR INFORMATION OTHER THAN COST OR PRICING DATA (OCT 1997)ALTERNATE IV (OCT 1997)

(a) Submission of cost or pricing data is not required.

(b) Provide information described below : See Section L-9.

Offerors should provide information to enable the Contracting Officer to determine that the proposed price is fair and reasonable. Such information could include published price lists, information on previous sales of the same or similar items, or the projected costs of fabricating and installing the item (material costs, labor costs, etc).

L-5 FAR 52.216-1 - TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Firm Fixed Price supply contract resulting from this solicitation.

L-6 FAR 52.222-18 - CERTIFICATION REGARDING KNOWLEDGE OF CHILD LABOR FOR LISTED END PRODUCTS (FEB 2001)

The fill-in information is as follows:

Listed End Product	Listed Countries of Origin

L-7 FAR 52.233-2 - SERVICE OF PROTEST (AUG 1996)

(a) Protests, as defined in Section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO) shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from the Control Desk, Code 3200, Bldg. 222, Rm. 115, Naval Research Laboratory, 4555 Overlook Ave., S.W., Washington DC 20375-5326.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

L-8 INQUIRIES CONCERNING THE RFP

Any questions concerning the RFP must be submitted in writing to the Contracting Officer representative at the location noted in blocks 7 and 10 of the Standard Form 33, *Solicitation, Offer and Award*. Offerors are cautioned against directing any questions concerning this RFP to technical personnel at the Naval Research Laboratory.

L-9 PROPOSAL ORGANIZATION

(1) Information for the technical/management proposal shall be placed in Volume I and be completely separate from the business proposal (Volume II).

(2) Proposal Format and Length - No attempt is made to restrict the proposal format and style. However, the proposal should be written and organized so as to be compatible with the RFP. Offerors are encouraged to use recycled paper and maximize the use of double sided copying when preparing responses to solicitations.

L-10 VOLUME I - TECHNICAL/MANAGEMENT PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 1 COPY .

(1) Include a matrix indicating proposed labor hours by skill category required to perform the statement of work.

(2) The following information is required for evaluation of your technical/management :

TECHNICAL DESCRIPTION

The offeror should provide reference to an established manufacturing control document (MCD) with a top-level outline of the MCD, engineering drawings and parts lists, test data that demonstrate that the offeror's hardware is capable of meeting the performance requirements. In addition, the offeror should provide convincing evidence that the proposed units are qualified and necessary for flight spacecraft testing in order to remain competitive in the current and future spacecraft industry. The offeror should provide convincing proof that they understand the technical risk involved with the use of the equipment and that efforts are made to mitigate risk. The offeror should provide a detailed statement of whether or not the technical proposal complies with the specification, and a full description of any and all exceptions that the offeror takes with the specification.

EXISTING ARCHITECTURAL INTEGRATION

The offeror should provide a brief summary of the firm's technology and manufacturing experience with emphasis on a description for the firm's experience in manufacturing electrical aerospace ground support equipment. The offeror should provide a listing of recent NASA, Department of Defense and/or other Government or commercial contracts under which the offeror has designed and fabricated electrical aerospace ground support equipment. The offeror should provide a full description of their capabilities to support the proposed task, including information on available facilities and equipment and previous performance with any subcontractors or suppliers that will be used. The offeror should specify personnel qualifications to establish the realism of the proposal.

PAST PERFORMANCE INFORMATION

(a) Offerors shall submit the following information as part of their proposal. (Offerors are encouraged to submit the information prior to other parts of the proposal to assist the government in reducing the length of the evaluation period.) List the last five contracts or subcontracts completed by the offeror or predecessor companies during the past two years for services similar in nature to this requirement. Include in the five any current contracts or subcontracts for similar services that were awarded at least one year prior to the date of this solicitation. Offerors that have no similar previous or current contracts should provide the requested information for proposed subcontractors that will perform major or critical aspects of the requirement or for the proposed project manager or key personnel responsible for major or critical aspects of the requirement.

1. Name of contracting organization.
2. Contract number
3. Contract type
4. Total contract value
5. Description of the contract work
6. Contracting officer and telephone number
7. Contracting officer's representative, program manager, or similar official and telephone number

(b) Offerors shall contact the contracting organizations identified pursuant to paragraph (a) as soon as possible and request them to send past performance information on the identified contracts to the address in Block 7 of the face page of this solicitation. The past performance report which is available electronically in full text at <http://heron.nrl.navy.mil/contracts/home.htm> is to be provided to the contracting organization for this purpose. If the contracting organization has already collected past performance information on the contract pursuant to FAR Subpart 42.15, the format used to collect the information may be used instead of the past performance report.

(c) Offerors may include in their proposals specific information relating to problems encountered in

performing the identified contracts and any corrective actions by the offeror. Offerors should not provide general information on their performance on the identified contracts as this will be obtained from the contracting organizations.

L-11 VOLUME II - BUSINESS PROPOSAL

REQUIRED COPIES: 1 ORIGINAL AND 1 COPY

(1) PRICE PROPOSAL

The offeror shall submit a business proposal that includes a price proposal with supporting information. The supporting breakdown should include such elements as materials, direct labor, indirect cost, and other costs such as travel. The offeror shall provide exhibits as necessary to substantiate the price.

SECTION M EVALUATION FACTORS FOR AWARD

M-1 EVALUATION

Award will be made to that offeror whose proposal is determined to be the best value to the Government, proposed price and other factors considered. The Government reserves the right to make award to other than the low offeror.

M-2 EVALUATION FACTORS FOR AWARD

Proposals will be evaluated in accordance with the following criteria. The technical factor is more important than the price factor. All technical sub-factors are of equal importance.

M-2-1. TECHNICAL/MANAGEMENT

(1) TECHNICAL DESCRIPTION

(1) The proposal will be evaluated on the offeror's technical approach and demonstrated ability to meet the requirements of the specifications, as shown by (1) space qualification heritage of the hardware design, (2) manufacturing control of parts and processes, (3) technical risk, (4) manufacturing control document, (5) technical compliance and (6) understanding of the requirement.

(2) EXISTING ARCHITECTURAL INTEGRATION

(1) company experience in successfully manufacturing and assembling electrical aerospace ground support equipment, and (2) ability to produce the units for this procurement, as surmised by the information provided on (a) past performances on units produced for a spacecraft program (b) number of similar units produced for spacecraft programs, (c) manufacturing facilities and test equipment available, (d) personnel qualifications.

(3) PAST PERFORMANCE

Past performance will be evaluated on the basis of the quality of the work performed or supplies delivered and timeliness of performance or delivery. The evaluation will be based on the information provided pursuant to Section L and other sources if available. The evaluation will take into account past performance information regarding predecessor companies, subcontractors that will perform major or critical aspects of the requirement, or the proposed project manager or key personnel responsible for major or critical aspects of the requirement. Offerors that have no relevant performance history or for which past performance information is not available will not be evaluated favorably or unfavorably on past performance. The government may begin proposal evaluation prior to receipt of past performance information. If, after completion of proposal evaluation except evaluation of past performance, the contracting officer determines that evaluation of past performance will not affect the outcome of competitive selection, the contracting officer may waive its evaluation in accordance with FAR 15.304(c)(3)(iv).

M-2-2 PRICE TO THE GOVERNMENT

Proposed estimated price to the Government.

M-3 AWARD BY FULL QUANTITY

An offeror must propose on all items in this solicitation to be eligible for award. Award will be made to that responsible offeror proposing the lowest total price for all items.

Electrical Power Systems Test Bed (EPS Rack) Specifications

The Naval Research Laboratory has a requirement an electrical power systems test bed. This test bed will be used for validating spacecraft electrical power subsystems.

Electrical Power Systems Test Bed (EPS Rack) Characteristics & Capabilities

The test bed must provide the following functionality:

1. *Battery Simulator*: 1 battery simulator capable of sourcing 50A and sinking up to 25A with an operational voltage range of: 0-40V.
2. *Battery Voltage Cell Simulator*: Unit capable of sourcing or sinking 10mA and providing cell voltages linked to the actual bus voltage.
3. *Solar Array Simulators*: 10 Separate 0-8A/0-60V units allowing for 1 fixed and up to 9 variable arrays. These should be solar array simulators and capable of externally switching at up to 25Hz. These simulators should provide the ability to have the I-V curves programmable manually.
4. *Bus protection and overvoltage protection* including: (BPU) protection against under voltage, overvoltage, reverse input voltage, current (diode) direction, and (over)voltage crowbar. Also over voltage protection (OVPU) is required to provide bipolar protection for under voltage, overvoltage, reverse input voltage, current direction, current magnitude, and (over)voltage crowbar for multiple different voltage sources/sinks. The OVPU should also have the ability to link with our command and control system and download waveforms of fault conditions. BPU protection is required for Umbilical and battery simulators. OVPU protection is required for the bus and should monitor all 10 solar array channels, as well as the umbilical and battery interface.
5. *Umbilical (aka T-0) Power Supply*: Capable of delivering 30A at 40V or equivalent.

In order to take advantage of existing infrastructure, the test bed shall conform to the following restrictions:

1. *IO panels, parts, labels*: The test bed will use IO connector part numbers, labeling and grouping as shown in figures and tables below.
2. *Software drivers*: The test bed shall use equipment with existing NRL COMET drivers, or NRL COMET drivers shall be provided as part of the test bed.
3. *AC Power*: The test bed shall be powered by no more than two, L21-30, 3 phase 208V AC connections.
4. *Encapsulation*: The equipment shall be contained in a standard 2-bay equipment rack with lift points, forklift sockets and lockable casters.
5. A 2 bay equipment rack GFE will be provided and shipped to contractor from NRL
6. Delete OVPU ability to line with our command and control system and download waveforms of fault conditions. It is at the discretion of the contractor to include this with their proposal or to delete it.

7. Include spare cards for OVPU including processor cards, channel cards, and FET boards

8. Contractor can include the Battery Voltage Cell Simulator but it is not mandatory.

Meetings & Reviews:

- Kick-off telecom / visit to Contractor facilities
- The Government and Contractor shall conduct a Critical Design Review (CDR) upon 80% completion of system design and analysis. The CDR shall be arranged during kick-off (can be completed via teleconference or a meeting at the contractor's facility)

Documentation:

The Contractor shall deliver the following commercial documentation package for each measurement system containing:

- System interconnect drawing and wiring diagram(s) detailing all connections and cables used in rack to include any custom equipment such as the BPU/OUU
- Bill of Materials listing all parts used to assemble the test bed, including model, manufacture and serial numbers
- Mechanical drawings detailing all exterior dimensions, lift points, and IO panels.
- Complete software documentation (installation, operation, and reference manuals; in-depth descriptions of configuration files and device drivers)
- Complete system documentation (operation, maintenance, and reference manuals, schematics, parts lists, etc.)
- All available 3rd party equipment documentation (computers, printers, network equipment, Agilent & other measurement equipment, etc.)

On-Site Training:

- No training required

Installation:

No installation services required

Performance Verification:

After installation of the system, that system's performance will be evaluated according to the Site Performance Verification Plan. This plan includes tests to demonstrate:

- Proper operation of the system software
- Proper operation of the system software via NRL COMET
- Proper operation of the Battery, Solar array, umbilical, OVPU and BPU systems

Period of Performance:

- The system shall be delivered to NRL no later than 180 days after contract award

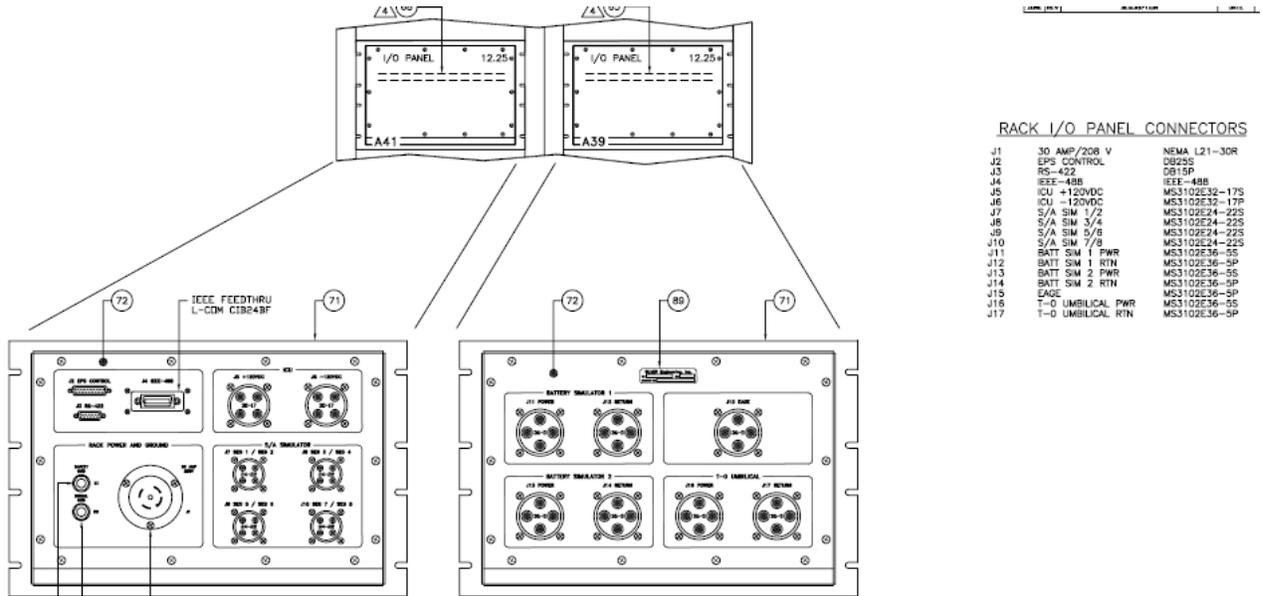


Figure 1: IO panel configuration, labeling and part numbers

Table 1: EPS I/O PANEL CONNECTORS

J1	30 AMP/208 V	NEMA L21-30R (TL 2815)
J2	EPS CONTROL	DB25S
J3	RS-422	DB15P
J4	IEEE-488	IEEE-488
J5	S/A SIM 1/2	MS3102E24-22S
J7	S/A SIM 3/4	MS3102E24-22S
J8	S/A SIM 5/6	MS3102E24-22S
J9	S/A SIM 7/8	MS3102E24-22S
J10	S/A SIM 9/10	MS3102E24-22S
J11	BATT SIM 1 PWR	MS3102E36-5S
J12	BATT SIM 1 RTN	MS3102E36-5P
J13	n/a	n/a
J14	n/a	n/a
J15	EAGE	MS3102E36-5P
J16	T-0 UMBILICAL PWR	MS3102E36-5S
J17	T-0 UMBILICAL RTN	MS3102E36-5P
E1	SAFETY GND LUG	3/8-16 UNF STUD
E2	SIGNAL GND LUG	3/8-16 UNF STUD

Table 2: J2 connector pinouts

Conn	Pin	Signal
DB25S	1	BATT_SENS1+
DB25S	14	BATT_SENS1-
DB25S	2	BATT_SENS2+
DB25S	15	BATT_SENS2-
DB25S	3	AD590_TEMP1+
DB25S	16	AD590_TEMP1-
DB25S	4	AD590_TEMP2+
DB25S	17	AD590_TEMP2-
DB25S	6	CELL8_SENSE+
DB25S	19	CELL7_SENSE+
DB25S	7	CELL6_SENSE+
DB25S	20	CELL5_SENSE+
DB25S	8	CELL4_SENSE+
DB25S	21	CELL3_SENSE+
DB25S	9	CELL2_SENSE+
DB25S	22	CELL1_SENSE+
DB25S	12	N/C
DB25S	24	CRIT_BUS_RTN
DB25S	13	CRIT_BUS+
DB25S	25	CRIT_BUS_RTN

Table 3: J3 connector pinouts

Conn	Pin	Signal
DB15P	1	XCVR_GND
DB15P	9	TX_DATL
DB15P	2	TX_DATH
DB15P	10	TX_CKL
DB15P	3	TX_CKH
DB15P	11	TX_ENL
DB15P	4	TX_ENH
DB15P	12	RX_DATL
DB15P	5	RX_DATH
DB15P	13	RX_CKL
DB15P	6	RX_CKH
DB15P	14	RX_ENL
DB15P	7	RX_ENH
DB15P	15	PWR_GOOD_RTN
DB15P	8	PWR_GOOD

Table 4: J4 connector pinouts

Conn	Pin	Signal	Description
IEEE-488	1	DIO1	Data Input/Output Bit 1
IEEE-488	2	DIO2	Data Input/Output Bit 2
IEEE-488	3	DIO3	Data Input/Output Bit 3
IEEE-488	4	DIO4	Data Input/Output Bit 4
IEEE-488	5	EIO	End-Or-Identify
IEEE-488	6	DAV	Data Valid

IEEE-488	7	NRFD	Not Ready For Data
IEEE-488	8	DNAC	Not Data Accepted
IEEE-488	9	IFC	Interface Clear
IEEE-488	10	SRQ	Service Request
IEEE-488	11	ATN	Attention
IEEE-488	12	Shield	Chassis GND
IEEE-488	13	DIO5	Data Input/Output Bit 5
IEEE-488	14	DIO6	Data Input/Output Bit 6
IEEE-488	15	DIO7	Data Input/Output Bit 7
IEEE-488	16	DIO8	Data Input/Output Bit 8
IEEE-488	17	REN	Remote Enable
IEEE-488	18	Shield	GND (DAV)
IEEE-488	19	Shield	GND (NRFD)
IEEE-488	20	Shield	GND (NDAC)
IEEE-488	21	Shield	GND (IFC)
IEEE-488	22	Shield	GND (SRQ)
IEEE-488	23	Shield	GND (ATN)
IEEE-488	24	Single GND	Single GND

Table 5: J5,6,7,8,9,10 Connector pinouts where x,y are 1,2; 3,4; 5,6; 7,8; 9,10

Conn	Pin	Signal
MS3102E24-22S	A	SA_SEGx+
MS3102E24-22S	B	SA_SEGy+
MS3102E24-22S	C	SA_SEGx-
MS3102E24-22S	D	SA_SEGy-

Table 6: J11 Connector pinouts

Conn	Pin	Signal
MS3102E36-5S	A	BATT_SIM1+
MS3102E36-5S	B	BATT_SIM1+
MS3102E36-5S	C	BATT_SIM1+
MS3102E36-5S	D	BATT_SIM1+

Table 7: J12 Connector pinouts

Conn	Pin	Signal
MS3102E36-5P	A	BATT_SIM1-
MS3102E36-5P	B	BATT_SIM1-
MS3102E36-5P	C	BATT_SIM1-
MS3102E36-5P	D	BATT_SIM1-

Table 8: J15 Connector pinouts

Conn	Pin	Signal
MS3102E36-5P	A	EAGE_PWR_IN+
MS3102E36-5P	B	N/C
MS3102E36-5P	C	EAGE_PWR_IN -
MS3102E36-5P	D	N/C

Table 9: J16 Connector pinouts

Conn	Pin	Signal
MS3102E36-5S	A	T-0_UMB+

MS3102E36-5S	B	T-0_UMB+
MS3102E36-5S	C	T-0_UMB+
MS3102E36-5S	D	T-0_UMB+

Table 10: J17 Connector pinouts

Conn	Pin	Signal
MS3102E36-5P	A	T-0_UMB-
MS3102E36-5P	B	T-0_UMB-
MS3102E36-5P	C	T-0_UMB-
MS3102E36-5P	D	T-0_UMB-

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TDP _____ TM <input checked="" type="checkbox"/> OTHER _____
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D. SYSTEM/ITEM Electrical Power System Test Bed	E. CONTRACT/PR NO. 81-4128-08	F. CONTRACTOR
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1. DATA ITEM NO. A001	2. TITLE OF DATA ITEM System interconnect drawing and wire diagram	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
---	---	---

7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES

16. REMARKS System interconnect drawing and wiring diagram(s) detailing all connections and cables used in rack to include any custom equipment such as the BPU/OUPU.	NRL COR		1	
15. TOTAL → 0 1 0				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A002	2. TITLE OF DATA ITEM Bill of Materials list	3. SUBTITLE
---------------------------------	--	--------------------

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
---	---	---

7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES

16. REMARKS Bill of Materials listing all parts used to assemble the test bed, including model, manufacture and serial numbers.	NRL COR		1	
15. TOTAL → 0 1 0				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A003	2. TITLE OF DATA ITEM Mechanical Drawings	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
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7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES

16. REMARKS Mechanical drawings detailing all exterior dimensions, lift points, and IO panels.	NRL COR		1	
15. TOTAL → 0 1 0				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A004	2. TITLE OF DATA ITEM Software Documentation	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
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7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES

16. REMARKS Complete software documentation (installation, operation, and reference manuals; in-depth descriptions of configuration files and device drivers)	NRL COR		1	
15. TOTAL → 0 1 0				

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY Tommy R. Albrecht	H. DATE 05/08/2008	I. APPROVED BY Carol A. Parnell	J. DATE 05/08/2008
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CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to the Department of Defense, Executive Services and Communications Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO. 0001	B. EXHIBIT A	C. CATEGORY: TDP _____ TM <input checked="" type="checkbox"/> OTHER _____
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D. SYSTEM/ITEM Electrical Power System Test Bed	E. CONTRACT/PR NO. 81-4128-08	F. CONTRACTOR
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1. DATA ITEM NO. A005	2. TITLE OF DATA ITEM System Documentation	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
---	---	---

7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES
						Final

16. REMARKS Complete system documentation (operation, maintenance, and reference manuals, schematics, parts lists, etc.)	NRL COR				1	
				15. TOTAL →	0	1 0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. A006	2. TITLE OF DATA ITEM 3rd Party Documentation	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE Specifications Documentations	6. REQUIRING OFFICE NRL CODE 8100
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7. DD 250 REQ NO	9. DIST STATEMENT REQUIRED	10. FREQUENCY 1 TIME	12. DATE OF FIRST SUBMISSION EOC	14. DISTRIBUTION		
8. APP CODE N/A		11. AS OF DATE 180DAC	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	Draft	b. COPIES
						Final

16. REMARKS All available 3rd party equipment documentation (computers, printers, network equipment, Agilent & other measurement equipment, etc.)	NRL COR				1	
				15. TOTAL →	0	1 0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
-------------------------	------------------------------	--------------------

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
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7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	Draft	b. COPIES
						Final

16. REMARKS						
				15. TOTAL →	0	1 0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
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						Final

16. REMARKS						
				15. TOTAL →	0	1 0

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY Tommy R. Albrecht	H. DATE 05/08/2008	I. APPROVED BY Carol A. Parnell	J. DATE 05/08/2008
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