

AWARD/CONTRACT	1. This Contract Is A Rated Order Under DPAS (15 CFR 700)	Rating DOA5	Page 1 Of 36
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2. Contract (Proc. Inst. Ident) No. DAAE20-03-D-0056	3. Effective Date 2003JAN31	4. Requisition/Purchase Request/Project No. SEE SCHEDULE
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5. Issued By TACOM-ROCK ISLAND AMSTA-LC-CTR-R KATRIENA VERSTRAETE (309)782-6618 ROCK ISLAND IL 61299-7630 e-mail address: VERSTRAETEK@RIA.ARMY.MIL	Code W52H09	6. Administered By (If Other Than Item 5) DCMA SPRINGFIELD BLDG 1 ARDEC PICATINNY NJ 07806-5000 SCD C PAS NONE ADP PT HQ0337	Code S3101A
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7. Name And Address Of Contractor (No. Street, City, County, State, And Zip Code) LC ENGINEERS INC 1471 PINWOOD STREEET RAHWAY NJ 07065-0000 TYPE BUSINESS: Small Disadvantaged Business Performing in U.S.	8. Delivery <input type="checkbox"/> FOB Origin <input checked="" type="checkbox"/> Other (See Below) SEE SCHEDULE
9. Discount For Prompt Payment	
10. Submit Invoices (4 Copies Unless Otherwise Specified)	
Item 12 To The Address Shown In:	

Code 1RHMO	Facility Code	11. Ship To/Mark For SEE SCHEDULE
		12. Payment Will Be Made By DFAS COLUMBUS CENTER NORTH ENTITLEMENT OPERATIONS PO BOX 182266 COLUMBUS OH 43218-2266

13. 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)()	14. Accounting And Appropriation Data
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15A. Item No. SEE SCHEDULE	15B. Schedule Of Supplies/Services CONTRACT TYPE: Firm-Fixed-Price	15C. Quantity	15D. Unit	15E. Unit Price	15F. Amount
KIND OF CONTRACT: Supply Contracts and Priced Orders					
Contract Expiration Date: 2007NOV30					15G. Total Amount Of Contract \$0.00

16. Table Of Contents							
(X)	Section	Description	Page(s)	(X)	Section	Description	Page(s)
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Contracting Officer Will Complete Item 17 Or 18 As Applicable

17. <input type="checkbox"/> 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. <input checked="" type="checkbox"/> Award (Contractor is not required to sign this document.) Your offer on Solicitation Number <u>DAAE2002R0148</u> including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
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19A. Name And Title Of Signer (Type Or Print)	20A. Name Of Contracting Officer DEBRA JUHL JUHL@RIA.ARMY.MIL (309)782-3370
19B. Name of Contractor	20B. United States Of America
By _____ (Signature of person authorized to sign)	By _____ /SIGNED/ (Signature of Contracting Officer)
19c. Date Signed	20C. Date Signed 2003JAN31

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MOD/AMD

Name of Offeror or Contractor: LC ENGINEERS INC

SECTION A - SUPPLEMENTAL INFORMATION

<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
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A-1	HQ, DA	NOTICE TO OFFERORS - USE OF CLASS I OZONE-DEPLETING SUBSTANCES	JUL/1993
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(a) In accordance with Section 326 of P.L. 102-484, the Government is prohibited from awarding any contract which includes a specification or standard that requires the use of a Class I ozone-depleting substance (ODS) identified in Section 602(a) of the Clean Air Act, 42 U.S.C. 7671a(a), or that can be met only through the use of such a substance unless such use has been approved, on an individual basis, by a senior acquisition official who determines that there is no suitable substitute available.

(b) To comply with this statute, the Government has conducted a best efforts screening of the specifications and standards associated with this acquisition to determine whether they contain any ODS requirements. To the extent that ODS requirements were revealed by this review they are identified in Section C with the disposition determined in each case.

(c) If offerors possess any special knowledge about any other ODSs required directly or indirectly at any level of contract performance, the U.S. Army would appreciate if such information was surfaced to the Contracting Officer for appropriate action. To preclude delay to the procurement, offerors should provide any information in accordance with FAR 52.214-6 or 52.215-14 as soon as possible after release of the solicitation and prior to the submission of offers to the extent practicable. It should be understood that there is no obligation on offerors to comply with this request and that no compensation can be provided for doing so.

(AA7020)

A-2	52.201-4501 TACOM-RI	NOTICE ABOUT TACOM-RI OMBUDSMAN	APR/2002
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a. We have an Ombudsman Office here at TACOM-RI. Its purpose is to open another channel of communication with TACOM-RI contractors.

b. If you think that this solicitation:

1. has inappropriate requirements; or
2. needs streamlining; or
3. should be changed

you should first contact the buyer or the Procurement Contracting Officer (PCO).

c. The buyer's name, phone number and address are on the cover page of this solicitation.

d. If the buyer or PCO doesn't respond to the problem to your satisfaction, or if you want to make comments anonymously, you can contact the Ombudsman Office. The address and phone number are:

U.S. Army TACOM-RI
AMSTA-AQ-AR (OMBUDSMAN)
Rock Island IL 61299-7630
Phone: (309) 782-3224
Electronic Mail Address: ombudsman@ria.army.mil

e. If you contact the Ombudsman, please provide him with the following information:

- (1) TACOM-RI solicitation number;
- (2) Name of PCO;
- (3) Problem description;
- (4) Summary of your discussions with the buyer/PCO.

(End of clause)

(AS7006)

Name of Offeror or Contractor: LC ENGINEERS INC

A-3 52.210-4516 COMMERCIAL EQUIVALENT ITEM(S) JUN/1998
TACOM-RI

THE GOVERNMENT HAS A PREFERENCE TO SATISFY ITS NEEDS THROUGH THE ACQUISITION OF COMMERCIAL ITEMS. IF YOU KNOW OF ANY COMMERCIAL EQUIVALENT ITEM(S) FOR THOSE LISTED IN THIS SOLICITATION, PLEASE CONTACT THE CONTRACTING OFFICE. INFORMATION PROVIDED WILL BE CONSIDERED FOR FUTURE PROCUREMENTS.

(END OF CLAUSE)

(AS7003)

A-4 52.211-4506 INSTRUCTIONS REGARDING SUBSTITUTIONS FOR MILITARY AND FEDERAL DEC/1997
TACOM-RI SPECIFICATIONS AND STANDARDS

(a) Section I of this document contains DFARS clause 252.211-7005, Substitutions for Military Specifications and Standards, which allows bidders/quoters/offerors to propose Management Council approved Single Process Initiatives (SPIs) in their bids/quotes/offers, in lieu of military or Federal specifications and standards cited in this solicitation.

(b) An offeror proposing to use an SPI process under this solicitation shall identify the following for each proposed SPI as required by DFARS 252.211-7005 contained in Section I:

SPI	MILITARY/FEDERAL SPEC/STANDARD	LOCATION OF REQUIREMENT	FACILITY	ACO
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

(c) An offeror proposing to use an SPI process under this solicitation shall also provide a copy of the Department of Defense acceptance for each SPI process proposed.

(d) In the event an offeror does not identify any SPI in paragraph (b) above, the Government shall conclude that the bidder/quoter/offeror submits its bid/quote/proposal in accordance with the requirements of this solicitation.

(e) The price that is provided by the offeror in the Schedule in Section B will be considered as follows:

(1) If an SPI is identified in paragraph (b) above, the Government will presume that the price is predicated on the use of the proposed SPI.

(2) If there is no SPI identified in paragraph (b) above, the Government will presume the price is predicated on the requirements as stated in the solicitation.

(f) Bidders/quoters/offerors are cautioned that there is always the possibility that the Government could make a determination at the Head of the Contracting (HCA)/Program Executive Officer (PEO) level that the proposed SPI is not acceptable for this procurement. If such a determination is made, and the bid/quote/offer only identifies a price predicated on use of proposed SPI, the bid/quote/offer will be determined nonresponsive. Bidders/quoters/offerors who propose SPI processes are encouraged to provide a price below to reflect their price for the item manufactured in accordance with the requirements as stated in this solicitation to preclude possibly being determined nonresponsive:

CLIN _____	PRICE \$ _____

(End of clause)

(AS7008)

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Name of Offeror or Contractor: LC ENGINEERS INC

A-5 52.215-4503 NOTICE TO OFFERORS - ELECTRONIC BID/OFFER RESPONSE REQUIRED FEB/2002
TACOM-RI

1. In accordance with Management Reform Memorandum (MRM) #2 from the Department of Defense (DoD), all Services are required to eliminate paper from their acquisition process by January 1, 2000 (see information at <http://www.acq.osd.mil/pcipt/>).

2. In response to this mandate, TACOM-RI has established the capability to receive bids, proposals, and quotes electronically. A hotlink from the TACOM-RI Solicitation Page has been activated to fully automate the response process (see <http://aais.ria.army.mil/aais/SOLINFO/index.htm>).

3. **IMPORTANT:** Bids/proposals/quotes in response to this solicitation are REQUIRED to be submitted in electronic format. Hard copy bids/offers/quotes WILL NOT BE ACCEPTED.

4. Your attention is drawn to the following clauses in Section L of this solicitation for instructions and additional information:

LS7011, Electronic Bids/Offers - TACOM-RI
(TACOM-RI 52.215-4510)

LS7013, Electronic Award Notice - TACOM-RI
(TACOM-RI 52.215-4511)

(End of clause)

(AS7004)

A-6 52.233-4503 AMC-LEVEL PROTEST PROGRAM JUN/1998
TACOM-RI

(OCTOBER 1996)

If you have complaints about this procurement, it is preferable that you first attempt to resolve those concerns with the responsible contracting officer. However, you can also protest to Headquarters, AMC. The HQ, AMC-Level Protest Program is intended to encourage interested parties to seek resolution of their concerns within AMC as an Alternative Dispute Resolution forum, rather than filing a protest with General Accounting Office or other external forum. Contract award or performance is suspended during the protest to the same extent, and within the same time periods, as if filed at the GAO. The AMC protest decision goal is to resolve protests within 20 working days from filing. To be timely, protests must be filed within the periods specified in FAR 33.103. Send protests (other than protests to the contracting officer) to:

HQ Army Materiel Command
Office of Command Counsel
ATTN: AMCCC-PL
5001 Eisenhower Avenue
Alexandria, VA 22333-0001

Facsimile number (703) 617-4999/5680
Voice Number (703) 617-8176

The AMC-level protest procedures are found at:

<http://www.amc.army.mil/amc/cc/protest.html>

If Internet access is not available contact the contracting officer or HQ, AMC to obtain the AMC-Level Protest Procedures.

(END OF CLAUSE)

(AS7010)

A-7 52.243-4510 DIRECT VENDOR DELIVERY JAN/1999
TACOM-RI

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Name of Offeror or Contractor: LC ENGINEERS INC

In accordance with the Changes clause of this contract, the contractor may be called upon to ship directly to the user, in lieu of the destination in the Schedule, to satisfy urgent or backorder situations. In such instances the contractor may be directed to use best commercial packaging. The contractor may also be called upon to ship the item to the new destination within 24 hours of the required delivery date as specified in the Schedule. Please provide your POC, electronic mail address and commercial phone number including area code for this effort below:

(End of clause)

(AS7012)

A-8 52.246-4538 CONTRACTOR PERFORMANCE CERTIFICATION PROGRAM (CP) 2 JUN/1998
 TACOM-RI

THE U.S. ARMY TANK-AUTOMOTIVE AND ARMAMENTS COMMAND (TACOM) ROCK ISLAND (RI) ACTIVELY PARTICIPATES IN THE CONTRACTOR PERFORMANCE CERTIFICATION PROGRAM (CP)2.

THE (CP)2 CERTIFICATION PROCESS IDENTIFIES CONTRACTORS COMMITTED TO TOTAL QUALITY, CUSTOMER SATISFACTION, AND CONTINUOUS IMPROVEMENT OF THEIR DESIGN/DEVELOPMENT AND PRODUCTION PROCESSES. ANY CONTRACTORS WHO HAVE HAD OR ANTICIPATE HAVING CONTRACTS WITH ANY AMC MAJOR SUBORDINATE COMMAND MAY VOLUNTARILY PARTICIPATE.

ADDITIONAL INFORMATION CAN BE OBTAINED BY CONTACTING THE CONTRACT SPECIALIST, OR THE (CP)2 PARTNERSHIP TEAM AT (309) 782-6591.

(END OF CLAUSE)

(AS7502)

1. THIS SOLICITATION, DAAE20-02-R-0148, WILL RESULT IN THE COMPETITIVE AWARD OF A LONGTERM FIRM-FIRXED PRICE 5 YEAR INDEFINITE DELIVERY INDEFINITE QUANTITY (IDIQ) TYPE CONTRACT FOR THE CONTROL ASSEMBLY, ELECTRONIC UNIT, NSN: 6920-01-203-7820. SEE FAR 16.504 AND FAR CLAUSES 52.216-18, AND 52.216-19 AND 52.216-22 FOR ADDITIONAL INFORMATION ON IDIQ CONTRACTS.

2. THE FOLLOWING ARE THE DATES OF THE PRICING PERIODS (PP) COVERED BY THIS SOLICITATION:

ORDERING PERIOD (OP) 1: AWARD DATE - 30 NOVEMBER 2003

ORDERING PERIOD (OP) 2: 01 DECEMBER 2003 - 30 NOVEMBER 2004

ORDERING PERIOD (OP) 3: 01 DECEMBER 2004 - 30 NOVEMBER 2005

ORDERING PERIOD (OP) 4: 01 DECEMBER 2005 - 30 NOVEMBER 2006

ORDERING PERIOD (OP) 5: 01 DECEMBER 2006 - 30 NOVEMBER 2007

3. THE MINIMUM AND MAXIMUM QUANTITIES, ON THE PRICE EVALUATION SPREADSHEET AT EXHIBIT C, ARE PROVIDED SOLELY FOR THE PURPOSE OF ESTABLISHING REASONABLE RANGES OF QUANTITIES AGAINST WHICH TO PROVIDE PRICES, AND TO ESTABLISH ORDERING LIMITATIONS IN THE EVENT THAT ORDERS BEYOND THE GUARANTEED MINIMUM QUANTITY ARE EXECUTED. NOTE: OFFERORS MUST COMPLETE THE PRICE EVALUATION SPREADSHEET AT EXHIBIT C IN ORDER TO BE CONSIDERED FOR AWARD. FIRST ARTICLE TEST (FAT) COSTS WILL BE PROPOSED AS A SEPARATE ITEM ON EXHIBIT C.

4. THE QUANTITY OF 39 EACH CONTROL ASSEMBLIES, ELECTRONIC UNITS, NSN: 6920-01-203-7820, IS THE ONLY MINIMUM GUARANTEED QUANTITY TO BE AWARDED UNDER THIS SOLICITATION AND SPECIFICALLY REPRESENTS THE "MINIMUM GUARANTEED QUANTITY" AS DEFINED BY AND REFERENCED IN FAR AND DFARS CLAUSES CONTAINED WITHIN THIS SOLICITATION DOCUMENT EITHER IN FULL TEXT OR BY REFERENCE. ALL OTHER ESTIMATED QUANTITIES ARE ESTIMATES ONLY AND DO NOT BIND THE GOVERNMENT IN ANY WAY.

5. THE OFFEROR SHALL SUBMIT UNIT PRICES ON THE PRICE EVALUATION SPREADSHEET ATTACHED AT EXHIBIT C WITH FAT AS A SEPARATE ITEM. FOR EVALUATION PURPOSES, THE GOVERNMENT HAS WEIGHTED THE RANGES BASED ON THE LIKELIHOOD THAT IF AN ORDER IS PLACED, IT WILL BE PLACED IN

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MOD/AMD

Name of Offeror or Contractor: LC ENGINEERS INC

THAT PARTICULAR RANGE. (SEE EXHIBIT C) AN EVALUATION PRICE WILL BE CALCULATED BY MULTIPLYING THE OFFERED PRICES BY THEIR RESPECTIVE WEIGHTS AND MINIMUM QUANTITIES FOR EACH RANGE AND ADDING THE TOTALS FOR ALL YEARS. THE TOTAL EVALUATED PRICE IS THE SUM OF THE APPLICABLE FAT COST AND THE EVALUATED PRICES FOR ALL PRICING PERIODS. THIS TOTAL EVALUATED PRICE IS FOR EVALUATION PURPOSES ONLY AND IN NO WAY OBLIGATES THE GOVERNMENT.

6. ALL DELIVERY ORDERS WILL BE ISSUED UNILATERALLY BY THE GOVERNMENT WITH FIRM DELIVERY DATES AT THE UNIT PRICE CORRESPONDING TO THE ORDERING PERIOD. IF FIRST ARTICLE (FA) IS DEEMED NECESSARY, THE FIRST ARTICLE TEST REPORT WILL BE DUE 211 DAYS AFTER RECEIPT OF AWARD. ALSO, IF FIRST ARTICLE IS DEEMED NECESSARY, THEN THE PRODUCTION QUANTITY WILL BE REQUIRED 307 DAYS AFTER RECEIPT OF AWARD. IF THE CONTRACT IS AWARDED WITHOUT FA, THE PRODUCTION QUANTITY WILL BE REQUIRED 217 DAYS AFTER RECEIPT OF AWARD.

7. PRICES SHALL BE SUBMITTED ON AN FOB DESTINATION BASIS. ALL SHIPMENTS WILL BE SENT TO THE FOLLOWING ADDRESS:

SHIP TO: FREIGHT ADDRESS

XU TRANSPORTATION OFFICER
DDSP NEW CUMBERLAND FACILITY
BUILDING MISSION DOOR 113 134
NEW CUMBERLAND, PA 17070-5001

8. THIS PROCUREMENT IS A 100% SMALL BUSINESS SET-ASIDE.

*** END OF NARRATIVE A 001 ***

1. We have had a request to provide sources for the circuit cards that are part of the electronic unit, control assembly. Here is a list of the potential sources for the circuit cards. The Government cannot guarantee availability or the quality of these circuit cards.

NSN: 5999-01-204-4175

Part Number: 11784523

LCL Electronics Inc.
1480 Industrial Park Road
Baxter, MN 56425-8099
(218) 829-2990

Input/Output Technology Inc.
26074 Ave. Hall Unit 23
Valencia, CA 91355-3445
(661) 257-1000

ECC International Corp.
2001 W Oak Ridge Road
Orlando, FL 32809-3803
(407) 859-7414

NSN: 5999-01-204-4176

Part Number: 11784526

LCL Electronics (AS STATED PREVIOUSLY)

UNITRACE Inc.
1605 Mabury Road Suite E
San Jose, CA 95133-1025
(408) 295-4180

V R Industries Inc.
333 Strawberry Field Road
Warwick, RI 02886
(401) 732-6800

ECC International Corp (AS STATED PREVIOUSLY)

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MOD/AMD

Name of Offeror or Contractor: LC ENGINEERS INC

NSN: 5999-01-204-4174

Part Number: 11784531

UNITEK
12781 Western Ave. Suite D
Garden Grove, CA 92841
(714) 901-0988

EAW Electronic Systems Inc.
145 Palisade Street Suite 318
Dobbs Ferry, NY 10522
(914) 674-4384

LCL Electronics (AS STATED PREVIOUSLY)

ECC International Corp (AS STATED PREVIOUSLY)

2. All other terms and conditions remain unchanged as a result of this amendment.

*** END OF NARRATIVE A 002 ***

THE PURPOSE OF THIS AMENDMENT IS TO EXTEND THE CLOSING DATE FOR OFFERS UNTIL DECEMBER 5, 2002.

ALL OTHER TERMS AND CONDITIONS OF THIS SOLICITATION REMAIN UNCHANGED AS A RESULT OF THIS AMENDMENT.

*** END OF NARRATIVE A 003 ***

THE PURPOSE OF THIS AMENDMENT IS TO PROVIDE THE FOLLOWING INFORMATION:

STABLE BASE MASTERS FOR THE THREE CIRCUIT CARD ASSEMBLIES ARE AVAILABLE IN EITHER MYLAR FILMS OR GERBER FILES. AT THE TIME OF CONTRACT AWARD, THE SUCCESSFUL OFFEROR WILL NEED TO REQUEST THE DESIRED FORMAT FROM THE CONTRACTING OFFICER.

ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION REMAIN UNCHANGED AS A RESULT OF THIS AMENDMENT.

*** END OF NARRATIVE A 004 ***

THE PURPOSE OF THIS AMENDMENT IS TO PROVIDE THE FOLLOWING INFORMATION:

1. ON PAGE 12 OF THE SOLICITATION CHANGE PART NUMBER 11784651 TO 11784530.

2. ON PAGE 12 OF THE SOLICITATION CHANGE AUTODYNE MFG, INC. CAGE CODE FROM 4V651 TO 05584. THEIR TELEPHONE NUMBER IS (631) 957-5858.

3. FOR WRIGHT SOURCE, INC. CONTACT ANNA SLAIDINS AT, (937)293-1341, AND REFERENCE DLA ORDER SP0930-01-M-0947/P00001 AND INFORM HER THAT THE EXCEPTIONS GRANTED BY THAT ORDER ARE ACCEPTABLE FOR THIS PROCUREMENT.

4. RESISTORS (11784526, 11784530, AND 11784531) CERTIFIED OR SCREENED TO MIL-R-39008 CAN BE OBTAINED FROM THE FOLLOWING SUPPLIERS:

RCD COMPONENTS - MANCHESTER, NH
DELBURN ELECTRONICS - EAST HANOVER, NJ

5. RESISTORS IDENTIFIED WITH RCR IN THE PART NUMBER ARE ALSO ACCEPTABLE AND CAN BE OBTAINED FROM PARTSMINER IN MELVILLE, NEW YORK.

6. THE CLOSING DATE FOR THIS SOLICITATION HAS BEEN EXTENDED TO 19 DECEMBER 2002.

ALL OTHER TERMS AND CONDITIONS OF THIS SOLICITATION REMAIN UNCHANGED AS A RESULT OF THIS AMENDMENT.

*** END OF NARRATIVE A 005 ***

1. THE PURPOSE OF THIS AMENDMENT IS TO DIRECT YOUR ATTENTION TO THE REQUIREMENTS OF MIL-E-70694A CALLED OUT ON DRAWING 11784504. THE APPLICABLE DOCUMENTS, REVISION A (SEPTEMBER 26, 1991 AND AMENDMENT 2 (MARCH 27, 1998)), CAN BE FOUND AT THE FOLLOWING WEB SITE

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MOD/AMD

Name of Offeror or Contractor: LC ENGINEERS INChttp://assist2.daps.dla.mil/eAccess/index.cfm?ident_number=67831

2. THIS SOLICITATION IS HEREBY EXTENDED UNTIL JANUARY 8, 2003.
3. ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION REMAIN UNCHANGED AS A RESULT OF THIS AMENDMENT.

*** END OF NARRATIVE A 006 ***

1. IT HAS BEEN BROUGHT TO OUR ATTENTION THAT THE WEB SITE LISTED IN AMENDMENT 0005 CANNOT BE ACCESSED. THEREFORE, THE PURPOSE OF THIS AMENDMENT IS TO ADD ATTACHMENT 0003 TO SOLICITATION DAAE20-02-R-0148:

ATTACHMENT 0003: MIL-E-70694 REVISION A (SEPTEMBER 26, 1991) AND AMENDMENT 2 (MARCH 27, 1998)

2. ALL OTHER TERMS AND CONDITONS OF THE SOLICITATION REMAIN UNCHANGED AS A RESULT OF THIS AMENDMENT.

*** END OF NARRATIVE A 007 ***

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Reference No. of Document Being Continued
 PIIN/SIIN DAAE20-03-D-0056 MOD/AMD

Name of Offeror or Contractor: LC ENGINEERS INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>Supplies or Services and Prices/Costs</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>CONTROL ASSEMBLY</u> NSN: 6920-01-203-7820 NOUN: CONTROL ASSEMBLY FSCM: 19200 PART NR: 11784504</p> <p><u>INSPECTION AND ACCEPTANCE</u> INSPECTION: ORIGIN ACCEPTANCE: ORIGIN</p> <p><u>DELIVERIES OR PERFORMANCE</u></p> <p>FOB: DESTINATION</p> <p>FIRST ARTICLE TEST REPORT DUE 211 DAYS AFTER RECEIPT OF ORDER DELIVERY DUE WITH FIRST ARTICLE, 307 DAYS AFTER RECEIPT OF ORDER DELIVERY DUE WITHOUT FIRST ARTICLE, 217 DAYS AFTER RECEIPT OF ORDER</p> <p>ORDER PERIOD 1: AWARD DATE THROUGH 30 NOV 2003 ORDER PERIOD 2: 01 DEC 2003 THROUGH 30 NOV 2004 ORDER PERIOD 3: 01 DEC 2004 THROUGH 30 NOV 2005 ORDER PERIOD 4: 01 DEC 2005 THROUGH 30 NOV 2006 ORDER PERIOD 5: 01 DEC 2006 THROUGH 30 NOV 2007</p> <p>MINIMUM TOTAL QUANTITY: 39 EACH MAXIMUM TOTAL QUANTITY: 500 EACH</p> <p>SHIP TO: XU TRANSPORTATION OFFICER DDSP NEW CUMBERLAND FACILITY BUILDING MISSION DOOR 113 134 NEW CUMBERLAND, PA 17070-5001</p> <p>ONLY TACOM-ROCK ISLAND IS AUTHORIZED TO ISSUE DELIVERY ORDERS UNDER THIS CONTRACT.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p>				
0002	<p><u>Supplies or Services and Prices/Costs</u></p> <p>SECURITY CLASS: Unclassified</p> <p><u>DD FORM 1423</u> Contractor will prepare and deliver the technical data in accordance with the requirements, quantities, and schedules set forth in the Contract Data Requirements List (DD Form 1423), Exhibit A</p> <p>(End of narrative B001)</p> <p>NOUN: DATA ITEM <u>Inspection and Acceptance</u></p>			<p>\$ ** NSP **</p>	<p>\$ ** NSP **</p>

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Name of Offeror or Contractor: LC ENGINEERS INC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	INSPECTION: Origin ACCEPTANCE: Destination				

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<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
B-1 252.225-7008 DFARS	SUPPLIES TO BE ACCORDED DUTY-FREE ENTRY	MAR/1998

In accordance with paragraph (b) of the Duty-Free Entry clause of this contract, in addition to duty-free entry for all qualifying country supplies (end products and components) and all eligible end products subject to applicable trade agreements (if this contract contains the Buy American Act-Trade Agreements-Balance of Payments Program clause or the Buy American Act-North American Free Trade Agreement Implementation Act-Balance of Payments Program clause), the following foreign end products that are neither qualifying country end products nor eligible end products under a trade agreement, and the following nonqualifying country components, are accorded duty-free entry:

NONE

(BA6701)

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Name of Offeror or Contractor: LC ENGINEERS INC

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
C-1 52.210-4501 TACOM-RI	DRAWINGS/SPECIFICATION	MAR/1988

In addition to the drawing(s) and/or specifications listed below, other documents which are part of this procurement and which apply to Preservation/Packaging/Packing and Inspection and Acceptance are contained elsewhere.

The following drawing(s) and specifications are applicable to this procurement.

Drawings and Specifications in accordance with enclosed Technical Data Package Listing - TDPL 11784504 with revisions in effect as of 03/26/02 (except as follows):

EXCEPTIONS:

<u>DOCUMENT</u>	<u>DELETE</u>	<u>REPLACE WITH</u>
SPI-11784504	MIL-P-116 MIL-B-117	MIL-STD-2073-1 MIL-DTL-117
11784504	11785556 MIL-M-43803 MIL-P-0037648 MS52000	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE." A-A-56032 HOLDEN HN 1974 A-A-52481
11784523 SH 1	MIL-STD-2000	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE."
11784523 SH 2	MIL-S-19500/116 MIL-R-39008/1 MIL-C-39014/1 MIL-C-20/35 MIL-R-22684/1	MIL-PRF-19500/116 MIL-PRF-39017/3 MIL-PRF-39014/1 MIL-PRF-20/35 MIL-PRF-39017/1
11728524 SH 2	MIL-C-14550 QQ-S-571 MIL-G-45204 MIL-I-43553	SAE AMS-2418 J-STD-004, J-STD-005, J-STD-006 ASTM B488 A-A-56032
11728526	11785558 MIL-S-19500/116 MIL-R-39017/1 MS75085 MIL-R-22684/1 MIL-R-83401/02	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE." MIL-PRF-19500/116 MIL-PRF-39017/1 MIL-C-39010/10 MIL-PRF-39017/1 MIL-PRF-83401/02
11784527	MIL-C-14550 QQ-S-571 MIL-G-45204 MIL-I-43553	SAE AMS-2418 J-STD-004, J-STD-005, J-STD-006 ASTM B488 A-A-56032
11784529	MIL-STD-454	MIL-HDBK-454

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	MIL-STD-2000	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE."
	MIL-I-23053/5	MIL-DTL-23053/5
	QQ-W-343	A-A-59551
	QQ-S-571	J-STD-004, J-STD-005, J-STD-006
11784530	MIL-STD-454	MIL-HDBK-454
	MIL-STD-2000	"SOLDER IN ACCORDANCW WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE."
	MIL-I-23053/5	MIL-DTL-23053/4
	QQ-W-343	A-A-59551
	QQ-S-571	J-STD-004, J-STD-005, J-STD-006
11784531	MIL-STD-2000	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE."
	MIL-S-19500/116	MIL-PRF-19500/116
	MIL-R-39017/1	MIL-PRF-39017/1
	MIL-R-39017/2	MIL-PRF-39017/2
11784532	MIL-C-14550	SAE AMS 2418
	QQ-S-571	J-STD-004, J-STD-005, J-STD-006
11784632	MIL-STD-2219	SAE AMS-STD-2219
11784633	MIL-STD-2219	SAE AMS-STD-2219
11784644	QQ-Z-325	ASTM B633
11784651	MIL-I-43553	A-A-56032
11784653	QQ-S-571	J-STD-004, J-STD-005, J-STD-006
11784669	MIL-P-17091	L-P-410
11785556	MIL-STD-2000	"SOLDER IN ACCORDANCE WITH BEST COMMERCIAL PRACTICE TO ENSURE COMPLIANCE WITH DWG OR SPECIFICATION REQUIREMENTS AS APPLICABLE."

Additional Suggested Sources for Electronic Components

A. The following sources produce or distribute the listed parts under the vendor part numbers shown below

<u>Government Part #</u>	<u>Vendor</u>	<u>Vendor Part #</u>
11784654	Delevan	1537-60
11784592-1	Kemet,	T353B335M025AS or T353B335K025AS
11784592-2	Kemet,	T353E106M025AS or T353E106K025AS
11784596-1	Vishay/Roederstein Electronic, MKT 1817-210/016	
11784596-2	Vishay/Roederstein Electronic, MKT 1817-242/016	
11784596-3	Vishay/Roederstein Electronic, MKT 1817-310/016	
11784596-4	Vishay/Roederstein Electronic, MKT 1818-347/015	

(Vishay parts confirmed by distributor, IRI St. Charles, MO per fonecon.)

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11784590-1	Kemet,	T353C106M010AS or T353C106K010AS
11784590-2	Kemet,	T353F336M010AS or T353F336K010AS
11784595-1	Kemet,	T353A224M035AS or T353A224K035AS
11784595-2	Kemet,	T353A474M035AS or T353A474K035AS
11784595-3	Kemet,	T353A105M035AS or T353A105K035AS
11784595-4	Kemet,	T353C225M035AS or T353C225K035AS
11784595-5	Kemet,	T353D335M035AS or T353D335K035AS
11784595-6	Kemet,	T353E475M035AS or T353E475K035AS
11784595-7	Kemet,	T353F685M035AS or T353F685K035AS
11784595-8	Kemet,	T353G106M035AS or T353G106K035AS
11784593-1	BC Components,	12NC 2222 463 36801
11784593-2	BC Components,	12NC 2222 462 31502
11784670	Cornell Dubilier Electronics,	CGS-952-U040-U3C
11784689	Partsmineer, Inc	BD235
11784680	Partsmineer, Inc	LM324N
11784679	Texas Instrument	LM239J
11784682	Partsmineer, Inc	MC14040BCP
11784683	Partsmineer, Inc	MC140938CP
11784687	American Microsemiconductor	BC337
11784649	Partsmineer, Inc	6P125
11784690	American Microsemiconductor	BC184C
11784696	ON Semiconductor	1N4739A
11784694	General Semiconductor	G1504
11784651	Autodyne Mfg Co	A15079
11784650	Wright Source, Inc	5-18582-40-S

B. These manufacturers or distributors can be contacted as follows:

Partsmineer, Inc
80 Ruland Road
Melville, NY 11747

Texas Instrument
Box 655303
Dallas, TX 75265

American Microsemiconductor
Box 104
Madison, NJ 07940

ON Semiconductor
5005 East Mc Dowell
Phoenix, AZ 85008

General Semiconductor
10 Melville Park Road
Melville, NY 11747

Autodyne Mfg, Inc
CAGE 4V651
Phone 651-957-5858

Wright Source, Inc
1563 East Dorothy Lane
Dayton, OH 45429

Electro-Kinetics, Inc
859 North Sivert Drive
Wood Dale, IL 60191

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Vishay/Roederstein
Phone: 402-563-6866
Distributed by IRI
St Charles, MO

BC Components
WWW.bccomponents.com <<http://WWW.bccomponents.com>>

Cornell Dubilier
www.cornell-dubilier.com <<http://www.cornell-dubilier.com>>
6325 Digital Way
Indianapolis, IN 46278

API Delevan
270 Quaker Rd
East Aurora, NY 14052

Kemet Corporation
Greenville, SC
www.kemet.com

C-2 52.210-4511 STATEMENT OF WORK - OZONE DEPLETING CHEMICALS
TACOM-RI

MAR/1994

(a) (1) Specifications and standards, which identify ODCs among alternative substances for use, are part of this TDP/SOW as follows:

N/A

(2) The above specifications and standards allow the optional use of Ozone Depleting Substances (ODS) or Ozone Depleting Chemicals (ODC). Preference should be given to the Non-ODS/ODC choices in compliance with Executive Order 12843, dated April 21, 1993, 'Procurement Requirements and Policies for Federal Agencies for Ozone Depleting Substances'.

(b) Other specifications and standards containing ODS/ODC materials and included in this TDP/SOW for which a substitute is provided and must be used are as follows:

N/A

(c) Other specifications and standards included in this TDP/SOW that specify use of an ODS/ODC and have been approved for use are as follows:

N/A

(d) NOTE: Offerors are requested, although not obligated, to perform their own screening of the TDP specifications and standards or SOW and identify any additional potential ODS/ODC to the Contracting Officer.

(End of Clause)

(CS6191)

C-3 52.210-4513 STATEMENT OF WORK - STABLE BASE MYLARS
ACALA

FEB/1994

Stable Base Mylars Master(s) are required as follows:

CLIN(s)	DRAWING NO(s)	PRON NO(s)
0001	11784524	M121CB14M1M1

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0001

11784527

M121CB14M1M1

Stable Base drawings should be requested from the Contracting Officer not later than thirty days after award of contract.

(End of Clause)

(CS6500)

C-4 52.211-4505 AVAILABLE TECHNICAL DATA PACKAGE (TDP)
TACOM RI

APR/2000

a. The Technical Data Packages (TDPs) for this solicitation is currently accessible on the Internet in the National Stock Number/TDP column of the Open Solicitations Web Page listing associated with this solicitation (address: http://aaais.ria.army.mil/aaais/Padds_web/index.html). Contractors who are interested in bidding, offering, or quoting on the item(s) being solicited must download a copy of the TDP so that they will have access to the TDP in accordance with the solicitation. Hard copies of the TDP will NOT be provided during the solicitation process. At time of award, the TDP will continue to be accessible on the Internet on the Award Web Page for an additional 30 days.

(End of Clause)

(CS7102)

C-5 52.225-4502 STATEMENT OF WORK - ENGLISH LANGUAGE DOCUMENTATION
TACOM-RI

FEB/1992

All contractor prepared material to be furnished under this contract shall be written in the English language.

(End of clause)

(CS7103)

C-6 52.248-4502 CONFIGURATION MANAGEMENT DOCUMENTATION
TACOM RI

JUL/2001

The contractor may submit Engineering Change Proposals (ECPs), Value Engineering change Proposals (VECPs), (Code V shall be assigned to an engineering change that will effect a net life cycle cost), including Notice of Revisions (NORs), and Request for Deviations (RFDs), for the documents in the Technical Data Package (TDP). The contractor shall prepare these documents in accordance with the Data Item Descriptions cited in block 04 on the enclosed DD Form 1423, Contract Data Requirements List.

Contractor ECPs/VECPs shall describe and justify all proposed changes and shall included NORs completely defining the change to be made. Contractors may also submit RFD, which define a temporary departure from the Technical Data package or other baseline documentation under Government control. The contractor shall not deliver any units incorporating any change/deviation to Government documentation until notified by the Government that the change/deviation has been approved and the change/deviation has been incorporated in the contract.

If the Government receives the same or substantially the same VECPS from two or more contractors, the contracts whose VECP is received first will be entitled to share with the Government in all instant, concurrent, future, and collateral savings under the terms of the VE clause in the contract.

Duplicate VECPS, which are received subsequently, will be returned to the contractor(s) without formal evaluation, regardless of whether or not the first VECP has been approved and accepted by the Government.

(End of Clause)

(CS7110)

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SECTION D - PACKAGING AND MARKING

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
D-1	52.211-4501 TACOM-RI	PACKAGING REQUIREMENTS (SPECIAL PACKAGING INSTRUCTIONS)	FEB/2000

a. Military preservation, packing, and marking shall be accomplished in accordance with the specific requirements identified below, all the applicable requirements of MIL-STD-2073-1, Revision D, Date 15 DEC 99 and the Special Packaging Instruction contained in the TDP.

Preservation: MILITARY
Level of Packing: B
Quantity Per Unit Package: 001
SPI Number: 11784504, REV A, DATE 14 May 96

b. Unitization Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads must be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall not exceed 4,000 pounds and should not exceed 52 inches in length or width, or 54 inches in height. The load shall be contained in a manner that will permit safe handling during shipment and storage.

c. Marking: In addition to any special markings called out on the SPI, all unit packages, intermediate packs, exterior shipping containers, and as applicable, unitized loads shall be marked in accordance with MIL-STD-129, Revision N, Date 15 MAY 97, including bar coding in accordance with ANSI/AIM-BC1, Uniform Symbology Specification Code 39.

d. This SPI has been validated and the method of preservation/packing has proven successful in meeting the needs of the military distribution system, including indeterminate storage and shipment throughout the world. Special instructions and/or tailoring of the SPI is detailed in the Supplemental Instructions in paragraph e below. A prototype package is required to validate the sizes and fit requirements of the SPI. Minor dimensional and size changes are acceptable provided the contractor notifies the Administrative Contracting Officer 60 days prior to delivery. Any design changes or changes in the method of preservation that provide a cost savings without degrading the method of preservation or packing or affecting the serviceability of the item will be considered and responded to within 10 days of submission to the Contracting Officer and the Administrative Contracting Officer. Government reserves the right to require testing to validate alternate industrial preservation methods, materials, alternate blocking, bracing, cushioning, and packing.

(End of clause)

(DS6411)

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SECTION E - INSPECTION AND ACCEPTANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
E-1	52.246-2	INSPECTION OF SUPPLIES - FIXED-PRICE	AUG/1996
E-2	52.246-16	RESPONSIBILITY FOR SUPPLIES	APR/1984
E-3	52.246-11	HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT	FEB/1999

The Contractor shall comply with the higher-level quality standard selected below, (If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.)

	<u>Title</u>	<u>Number</u>	<u>Date</u>	<u>Tailoring</u>
(X)	QUALITY SYSTEMS ISO 9002	MODEL FOR QA	1994	UTAILORED

(End of clause)

(EF6002)

E-4	52.209-4512 TACOM-RI	FIRST ARTICLE TEST (CONTRACTOR TESTING)	MAR/2001
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a. The first article shall consist of:

THREE EACH, 11784504, ELECTRONIC UNIT, TO INCLUDE ALL ASSEMBLIES (3 EACH), SUBASSEMBLIES (3 EACH) AND COMPONENTS (3 EACH)

which shall be examined and tested in accordance with contract requirements, the item specification(s), Quality Assurance Provisions (QAPs) and all drawings listed in the Technical Data Package.

b. The first article shall be representative of items to be manufactured using the same processes and procedures and at the same facility as contract production. All parts and materials, including packaging and packing, shall be obtained from the same source of supply as will be used during regular production. All components, subassemblies, and assemblies in the first article sample shall have been produced by the Contractor (including subcontractors) using the technical data package applicable to this procurement.

c. The first article shall be inspected and tested by the contractor for all requirements of the drawing(s), the QAPs, and specification(s) referenced thereon, except for:

(1) Inspections and tests contained in material specifications provided that the required inspection and tests have been performed previously and certificates of conformance are submitted with the First Article Test Report.

(2) Inspections and tests for Military Standard (MS) components and parts provided that inspection and tests have been performed previously and certifications for the components and parts are submitted with the First Article Test Report.

(3) Corrosion resistance tests over 10 days in length provided that a test specimen or sample representing the same process has successfully passed the same test within 30 days prior to processing the first article, and results of the tests are submitted with the First Article Test Report.

(4) Life cycle tests over 10 days in length provided that the same or similar items manufactured using the same processes have successfully passed the same test within 1 year prior to processing the first article and results of the tests are submitted with the First Article Test Report.

(5) Onetime qualification tests, which are defined as a one-time on the drawing(s), provided that the same or similar item manufactured using the same processes has successfully passed the tests, and results of the test are on file at the contractor's facility and certifications are submitted with the First Article Test Report.

d. The Contractor shall provide to the Contracting Officer at least 15 calendar days advance notice of the scheduled date for final inspection and test of the first article. Those inspections which are of a destructive nature shall be performed upon additional sample parts selected from the same lot(s) or batch(es) from which the first article was selected.

e. A First Article Test Report shall be compiled by the contractor documenting the results of all inspections and tests (including supplier's and vendor's inspection records and certifications, when applicable). The First Article Test Report shall include actual inspection and test results to include all measurements, recorded test data, and certifications (if applicable) keyed to each drawing, specification and QAP requirement and identified by each individual QAP characteristic, drawing/specification characteristic and

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unlisted characteristic. Evidence of the QAR's verification will be provided. One copy of the First Article Test Report will be submitted through the Administrative Contracting Officer to the Contracting Officer with a copy furnished to AMSTA-AR-QAW-C.

f. Notwithstanding the provisions for waiver of first article, an additional first article sample or portion thereof, may be ordered by the Contracting Officer in writing when (i) a major change is made to the technical data, (ii) whenever there is a lapse in production for a period in excess of 90 days, or (iii) whenever a change occurs in place of performance, manufacturing process, material used, drawing, specification or source of supply. When conditions (i), (ii), or (iii) above occurs, the Contractor shall notify the Contracting Officer so that a determination can be made concerning the need for the additional first article sample or portion thereof, and instructions provided concerning the submission, inspection, and notification of results. Costs of the additional first article testing resulting from any of the causes listed herein that were instituted by the contractor and not due to changes directed by the Government shall be borne by the Contractor.

(End of Clause)

(ES6016)

E-5	52.209-4513	FIRST ARTICLE CONFIRMATORY TEST	MAY/1994
	TACOM-RI		

a. When notified by the Contracting Officer that First Article Confirmatory Testing will be imposed, the contractor shall submit upon completion of First Article contractor testing, the following items identified below for confirmatory testing:

QUANTITY	ITEM NOMENCLATURE	DRAWING
ONE	ELECTRONIC UNIT	11784504

b. Shipment of the confirmatory test sample shall be accomplished on or before the submission date of the contractor's First Article Test Report.

c. The confirmatory test sample shall be packaged and packed by the contractor in accordance with contractual requirements and marked "For Confirmatory Test". The sample shall be shipped to the location identified below at Contractor's expense, except when transportation protective service or transportation security is required by other provision of this contract, in which case the test sample items shall be delivered FOB origin and shipped on a Government Bill of Lading: TO BE PROVIDED BY THE PCO IF IMPLEMENTED

The accompanying Material Inspection and Receiving Report (DD Form 250) shall be marked "For Confirmatory Test, No Charge". Two copies of the DD Form 250 shall be forwarded to: TACOM-ROCK ISLAND, AMSTA-LC-CTR-R, ATTN: KITTY VER STRAETE, ROCK ISLAND, IL 61299-7630.

d. Failure of the confirmatory test sample to meet contractual requirements shall be cause for disapproval of the first article. Notification of approval, conditional approval, or disapproval of the first article shall be in accordance with the First Article Approval - Contractor Testing Clause.

e. At the Contracting Officer's discretion, the confirmatory test units with unused repair parts may be returned to contractor for refurbishing and may subsequently be shipped as deliverable contract items. Inspection and acceptance of the refurbished test units shall be in accordance with contractual requirements. The costs of refurbishing will be negotiated between the parties.

(End of Clause)

(ES6030)

E-6	52.246-4528	REWORK AND REPAIR OF NONCONFORMING MATERIAL	MAY/1994
	TACOM-RI		

a. Rework and Repair are defined as follows:

(1) Rework - The reprocessing of nonconforming material to make it conform completely to the drawings, specifications or contract requirements.

(2) Repair - The reprocessing of nonconforming material in accordance with approved written procedures and operations to reduce, but not completely eliminate, the nonconformance. The purpose of repair is to bring nonconforming material into a usable condition. Repair is distinguished from rework in that the item after repair still does not completely conform to all of the applicable drawings, specifications or contract requirements.

b. Rework procedures along with the associated inspection procedures shall be documented by the Contractor and submitted to the

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Government Quality Assurance Representative (QAR) for review prior to implementation. Rework procedures are subject to the QAR's disapproval.

c. Repair procedures shall be documented by the Contractor and submitted on a Request for Deviation/Waiver, to the Contracting Officer for review and written approval prior to implementation.

d. Whenever the Contractor submits a repair or rework procedure for Government review, the submission shall also include a description of the cause for the nonconformances and a description of the action taken or to be taken to prevent recurrence.

e. The rework or repair procedure shall also contain a provision for reinspection which will take precedence over the Technical Data Package requirements and shall, in addition, provide the Government assurance that the reworked or repaired items have met reprocessing requirements.

(End of Clause)

(ES7012)

E-7 52.246-4540 CONTRACTOR PERFORMANCE CERTIFICATION PROGRAM (CP) 2-2000 APR/2001
 TACOM-RI

a. The (CP)2-2000 program is a voluntary program open to all contractors. The program is a unified effort between the Government and the Contractor to confirm the development, use and continuous improvement of quality operations. Implementation and continuous improvement are measured and documented through independent audits and follow on reporting. For more information on the (CP)2-2000 program, please contact the Contracting Officer.

b. The Government will not delay processing of this solicitation to afford any offeror additional time to complete the (CP)2-2000 certification process.

c. You may provide the following information relative to (CP)2-2000 certification:

(1) ___ NOT CERTIFIED

(2) ___ CERTIFIED

(i) ___ DATE OF CERTIFICATION

(ii) ___ CERTIFYING ACTIVITY

d. For Contractor facilities currently certified under the (CP)2-2000 program, the following shall apply:

(1) Provided the process is in a state of statistical control and the minimum process performance index of 1.33 is met, the Contractor may eliminate acceptance inspections and acceptance testing for unlisted, minor, and major characteristics and parameters by providing written notice to the Contracting Officer and providing a copy furnished to the Administrative Contracting Officer. The provisions of the Alternatives to Lot Acceptance Sampling (including Statistical Process Control (SPC)) clause of this contract still apply for reduction or elimination of acceptance inspection or acceptance testing for characteristics and parameters identified as critical level I or Critical Level II or "special."

(2) Design approvals for acceptance equipment and test equipment will be waived for unlisted, minor and major characteristics and parameters by providing written notice to the Contracting Officer. The provisions of the "Acceptance Inspection Equipment (AIE)" clause of this contract still apply for acceptance equipment and test equipment design approvals utilized for "critical Level I or Critical Level II" or "special" characteristics or parameters.

(3) First Article Test Requirements shall be waived by the Contracting Officer when supplies identical or similar to those called for in the schedule have been previously furnished by the Contractor and have been accepted by the Government.

e. The Government reserves the right to rescind, at no increase in contract price, the rights and benefits granted to the Contractor under this clause if the Contractor's quality performance deteriorates from the level specified within the (CP)2-2000 agreement between the Government and the Contractor.

(End of Clause)

(ES7016)

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Name of Offeror or Contractor: LC ENGINEERS INC

SECTION F - DELIVERIES OR PERFORMANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
F-1	52.242-17	GOVERNMENT DELAY OF WORK	APR/1984
F-2	52.247-34	F.O.B. DESTINATION	NOV/1991
F-3	52.247-48	F.O.B. DESTINATION - EVIDENCE OF SHIPMENT	FEB/1999
F-4	52.247-4531 TACOM-RI	COGNIZANT TRANSPORTATION OFFICER	MAY/1993

(a) The contract administration office designated at the time of contract award, or the office servicing the point of shipment if subsequently designated by the original office, will be the contact point to which the contractor will:

(1) Submit, as necessary, DD Form 1659, Application for U.S. Government Bill(s) of Lading/Export Traffic Release, in triplicate at least ten days prior to date supplies will be available for shipment;

(2) Obtain shipping instructions as necessary for F.O.B. Destination delivery; and

(3) Furnish necessary information for MILSTRIP/MILSTAMP or other shipment documentation and movement control, including air and water terminal clearances.

(4) For FMS, at least 10 days in advance of actual shipping date the contractor should request verification of ''Ship to'' and ''Notification'' address from the appropriate DCMAO.

(b) The contract administration office will provide to the contractor data necessary for shipment marking and freight routing.

(c) The contractor shall not ship directly to a Military air or water port terminal without authorization by the designated point of contact.

(End of Clause)

(FS7240)

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Name of Offeror or Contractor: LC ENGINEERS INC

SECTION G - CONTRACT ADMINISTRATION DATA

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
G-1	52.232-4500 TACOM-RI	CONTRACT PAYMENT INSTRUCTIONS	AUG/1997

The paying office shall ensure that the invoice/voucher is disbursed from each ACRN as indicated on the invoice/voucher.

(End of clause)

(GS7016)

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Name of Offeror or Contractor: LC ENGINEERS INC

SECTION H - SPECIAL CONTRACT REQUIREMENTS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
H-1	252.247-7023 DFARS	TRANSPORTATION OF SUPPLIES BY SEA	MAY/2002
H-2	252.247-7024 DFARS	NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA	MAR/2000
H-3	52.232-4506 TACOM-RI	PROGRESS PAYMENT LIMITATION	MAR/1988

Prior to first article approval, only costs incurred for the first article are allowable for progress payments; however, such payments shall not exceed Ten percent (10 %) of the initial award value of the contract.

(End of Clause)

(HS6002)

H-4	52.246-4500 TACOM-RI	MATERIAL INSPECTION & RECEIVING REPORTS (DD FORM 250)	NOV/2001
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(a) Material Inspection and Receiving Report(s) (DD Form 250), are required to be prepared and furnished to the Government under the clause of this contract entitled 'Material Inspection and Receiving Report'. Distribution of reports to the Purchasing Office (in accordance with DoD FAR Supplement Appendix F) shall be accomplished electronically.

(b) Two copies of the DD Form 250 are required to be submitted to the Purchasing Office. To satisfy this submission requirement electronically, the completed documents may be transmitted via electronic mail, or data fax. The electronic mail address for submission is verstraetek@ria.army.mil. The data fax number for submission is (309) 782-6992, ATTN: Kitty Ver Straete.

(c) Any additional copies required in accordance with Appendix F may be submitted to the addresses identified below via the U. S. Postal Service:

- (1) The FMS/MAP copies may be submitted to:
N/A

(End of Clause)

(HS6510)

H-5	52.247-4545 TACOM-RI	PLACE OF CONTRACT SHIPPING POINT, RAIL INFORMATION	MAY/1993
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The bidder/offeror is to fill in the 'Shipped From' address, if different from 'Place of Performance' indicated elsewhere in this section.

Shipped From:

For contracts involving F.O.B. Origin shipments furnish the following rail information:

Does Shipping Point have a private railroad siding? ____ YES ____ NO

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If YES, give name of rail carrier serving it: _____

If NO, give name and address of nearest rail freight station and carrier serving it:

Rail Freight Station Name and Address: _____

Serving Carrier: _____

(End of Clause)

(HS7600)

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Name of Offeror or Contractor: LC ENGINEERS INC

SECTION I - CONTRACT CLAUSES

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1	52.202-1	DEFINITIONS	DEC/2001
I-2	52.203-3	GRATUITIES	APR/1984
I-3	52.203-5	COVENANT AGAINST CONTINGENT FEES	APR/1984
I-4	52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-5	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-6	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	JUN/1997
I-7	52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON RECYCLED PAPER	AUG/2000
I-8	52.211-5	MATERIAL REQUIREMENTS	AUG/2000
I-9	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	SEP/1990
I-10	52.215-2	AUDIT AND RECORDS - NEGOTIATION	JUN/1999
I-11	52.215-14	INTEGRITY OF UNIT PRICES	OCT/1997
I-12	52.219-6	NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE	JUL/1996
I-13	52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	OCT/2000
I-14	52.219-14	LIMITATIONS ON SUBCONTRACTING	DEC/1996
I-15	52.222-19	CHILD LABOR - COOPERATION WITH AUTHORITIES AND REMEDIES	SEP/2002
I-16	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-17	52.222-26	EQUAL OPPORTUNITY	APR/2002
I-18	52.222-35	EQUAL OPPORTUNITY FOR SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	DEC/2001
I-19	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN/1998
I-20	52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	DEC/2001
I-21	52.223-6	DRUG-FREE WORKPLACE	MAY/2001
I-22	52.223-14	TOXIC CHEMICAL RELEASE REPORTING	OCT/2000
I-23	52.225-8	DUTY-FREE ENTRY	FEB/2000
I-24	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUL/2000
I-25	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	AUG/1996
I-26	52.229-3	FEDERAL, STATE, AND LOCAL TAXES	JAN/1991
I-27	52.229-5	TAXES - CONTRACTS PERFORMED IN U.S. POSSESSIONS OR PUERTO RICO	APR/1984
I-28	52.232-1	PAYMENTS	APR/1984
I-29	52.232-8	DISCOUNTS FOR PROMPT PAYMENT	FEB/2002
I-30	52.232-11	EXTRAS	APR/1984
I-31	52.232-17	INTEREST	JUN/1996
I-32	52.232-23	ASSIGNMENT OF CLAIMS - ALTERNATE I	APR/1984
I-33	52.232-25	PROMPT PAYMENT	FEB/2002
I-34	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER - CENTRAL CONTRACTOR REGISTRATION	MAY/1999
I-35	52.233-1	DISPUTES	JUL/2002
I-36	52.233-3	PROTEST AFTER AWARD	AUG/1996
I-37	52.242-13	BANKRUPTCY	JUL/1995
I-38	52.243-1	CHANGES - FIXED PRICE	AUG/1987
I-39	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	MAY/2002
I-40	52.246-23	LIMITATION OF LIABILITY	FEB/1997
I-41	52.247-63	PREFERENCE FOR U.S. - FLAG AIR CARRIERS	JAN/1997
I-42	52.248-1	VALUE ENGINEERING	FEB/2000
I-43	52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)	SEP/1996
I-44	52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	APR/1984
I-45	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-46	252.203-7001 DFARS	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES	MAR/1999
I-47	252.204-7003 DFARS	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
I-48	252.204-7004 DFARS	REQUIRED CENTRAL CONTRACTOR REGISTRATION	NOV/2001
I-49	252.205-7000 DFARS	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
I-50	252.209-7000 DFARS	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY	NOV/1995
I-51	252.225-7001 DFARS	BUY AMERICAN ACT AND BALANCE OF PAYMENTS PROGRAM	MAR/1998
I-52	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	DEC/1991

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	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-53	DFARS 252.225-7009	DUTY-FREE ENTRY--QUALIFYING COUNTRY SUPPLIES (END PRODUCTS AND COMPONENTS)	AUG/2000
I-54	DFARS 252.225-7010	DUTY-FREE ENTRY -- ADDITIONAL PROVISIONS	AUG/2000
I-55	DFARS 252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	APR/2002
I-56	DFARS 252.225-7014	PREFERENCE FOR DOMESTIC SPECIALTY METALS - ALTERNATE I	MAR/1998
I-57	DFARS 252.225-7025	RESTRICTION ON ACQUISITION OF FORGINGS	JUN/1997
I-58	DFARS 252.225-7026	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	JUN/2000
I-59	DFARS 252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	JUN/1992
I-60	DFARS 252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES-DOD CONTRACTS	SEP/2001
I-61	DFARS 252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
I-62	DFARS 252.232-7004	DOD PROGRESS PAYMENT RATES	OCT/2001
I-63	DFARS 252.242-7000	POSTAWARD CONFERENCE	DEC/1991
I-64	DFARS 252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
I-65	DFARS 252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	MAR/1998
I-66	DFARS 252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DOD CONTRACTS)	MAR/2000
I-67	DFARS 252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	DEC/1991
I-68	52.216-18	ORDERING	OCT/1995

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from Date of Award through 30 NOVEMBER 2007.

(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

(IP6155)

I-69	52.216-19	ORDER LIMITATIONS	OCT/1995
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(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than 25, 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;

(2) Any order for a combination of items in excess of 500; or

(3) A series of orders from the same ordering office within 30 days that together call for quantities exceeding the limitation in subparagraph (1) or (2) above.

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

(d) Notwithstanding paragraphs (b) and (c) above, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 10 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of Clause)

(IF6029)

I-70 52.216-22 INDEFINITE QUANTITY OCT/1995

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

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

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

(d) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractor's and Government's rights and obligations with respect to that order to the same extent as if the order were completed during the contract's effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 30 NOVEMBER 2008.

(End of clause)

(IF6036)

I-71 52.232-16 PROGRESS PAYMENTS DEC/2002

The Government will make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly in amount of \$2500 or more approved by the Contracting Officer, under the following conditions:

(a) Computation of amounts.

(1) Unless the Contractor requests a smaller amount, the Government will compute each progress payment as 80 percent of the Contractor's total costs incurred under this contract whether or not actually paid, plus financing payments to subcontractors (see paragraph (j) of this clause), less the sum of all previous progress payments made by the Government under this contract. The Contracting Officer will consider cost of money that would be allowable under FAR 31.205-10 as an incurred cost for progress payment purposes.

(2) The amount of financing and other payments for supplies and services purchased directly for the contract are limited to the amounts that have been paid by cash, check, or other forms of payment, or that are determined due and will be paid to subcontractors -

(i) In accordance with the terms and conditions of a subcontract of invoice; and

(ii) Ordinarily within 30 days of the submission of the Contractor's next payment request to the Government.

(3) The Government will exclude accrued costs of Contractor contributions under employee pension plans until actually paid unless -

(i) The Contractor's practice is to make contributions to the retirement fund quarterly or more frequently; and

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(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractor's total costs for progress payments until paid).

(4) The Contractor shall not include the following in total costs for progress payment purposes in paragraph (a)(1) of this clause:

(i) Costs that are not reasonable, allocable to this contract, and consistent with sound and generally accepted accounting principles and practices.

(ii) Costs incurred by subcontractors or suppliers.

(iii) Costs ordinarily capitalized and subject to depreciation or amortization except for the properly depreciated or amortized portion of such costs.

(iv) Payments made or amounts payable to subcontractors or suppliers, except for--

(A) Completed work, including partial deliveries, to which the Contractor has acquired title; and

(B) Work under cost-reimbursement or time-and-material subcontracts to which the Contractor has acquired title.

(5) The amount of unliquidated progress payments may exceed neither (i) the progress payments made against incomplete work (including allowable unliquidated progress payments to subcontractors) nor (ii) the value, for progress payment purposes, of the incomplete work. Incomplete work shall be considered to be the supplies and services required by this contract, for which delivery and invoicing by the Contractor and acceptance by the Government are incomplete.

(6) The total amount of progress payments shall not exceed eighty percent (80%) of the total contract price.

(7) If a progress payment or the unliquidated progress payment exceed the amounts permitted by subparagraphs (a)(4) or (a)(5) above, the Contractor shall repay the amount of such excess to the Government on demand.

(8) Notwithstanding any other terms of the contract, the Contractor agrees not to request progress payments in dollar amounts of less than \$2500. The Contracting Officer may make exceptions.

(b) Liquidation. Except as provided in the Termination for Convenience of the Government clause, all progress payments shall be liquidated by deducting from any payment under this contract, other than advance or progress payments, the unliquidated progress payments, or eighty percent (80%) of the amount invoiced, whichever is less. The Contractor shall repay to the Government any amounts required by a retroactive price reduction, after computing liquidations and payments on past invoices at the reduced prices and adjusting the unliquidated progress payments accordingly. The Government reserves the right to unilaterally change from the ordinary liquidation rate to an alternate rate when deemed appropriate for proper contract financing.

(c) Reduction or suspension. The Contracting Officer may reduce or suspend progress payments, increase the rate of liquidation, or take a combination of these actions, after finding on substantial evidence any of the following conditions:

(1) The Contractor failed to comply with any material requirement of this contract (which includes paragraphs (f) and (g) below).

(2) Performance of this contract is endangered by the Contractor's (i) failure to make progress or (ii) unsatisfactory financial condition.

(3) Inventory allocated to this contract substantially exceeds reasonable requirements.

(4) The Contractor is delinquent in payment of the costs of performing this contract in the ordinary course of business.

(5) The unliquidated progress payments exceed the fair value of the work accomplished on the undelivered portion of this contract.

(6) The Contractor is realizing less profit than that reflected in the establishment of any alternate liquidation rate in paragraph (b) above, and that rate is less than the progress payment rate stated in subparagraph (a)(1) above.

(d) Title.

(1) Title to the property described in this paragraph (d) shall vest in the Government. Vestiture shall be immediately upon the date of this contract, for property acquired or produced before that date. Otherwise, vestiture shall occur when the property is or should have been allocable or properly chargeable to this contract.

(2) "Property," as used in this clause, includes all of the below-described items acquired or produced by the Contractor that are or should be allocable or properly chargeable to this contract under sound and generally accepted accounting principles and practices.

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(i) Parts, materials, inventories, and work in process;

(ii) Special tooling and special test equipment to which the Government is to acquire title under any other clause of this contract;

(iii) Nondurable (i.e., noncapital) tools, jigs, dies, fixtures, molds, patterns, taps, gauges, test equipment, and other similar manufacturing aids, title to which would not be obtained as special tooling under subparagraph (ii) above; and

(iv) Drawings and technical data, to the extent the Contractor or subcontractors are required to deliver them to the Government by other clauses of this contract.

(3) Although title to property is in the Government under this clause, other applicable clauses of this contract, e.g., the termination or special tooling clauses, shall determine the handling and disposition of the property.

(4) The Contractor may sell any scrap resulting from production under this contract without requesting the Contracting Officer's approval, but the proceeds shall be credited against the costs of performance.

(5) To acquire for its own use or dispose of property to which title is vested in the Government under this clause, the Contractor must obtain the Contracting Officer's advance approval of the action and the terms. The Contractor shall (i) exclude the allocable cost of the property from the costs of contract performance, and (ii) repay to the Government any amount of unliquidated progress payments allocable to the property. Repayment may be by cash or credit memorandum.

(6) When the Contractor completes all of the obligations under this contract, including liquidation of all progress payments, title shall vest in the Contractor for all property (or the proceeds thereof) not--

(i) Delivered to, and accepted by, the Government under this contract; or

(ii) Incorporated in supplies delivered to, and accepted by, the Government under this contract and to which title is vested in the Government under this clause.

(7) The terms of this contract concerning liability for Government-furnished property shall not apply to property to which the Government acquired title solely under this clause.

(e) Risk of loss. Before delivery to and acceptance by the Government, the Contractor shall bear the risk of loss for property, the title to which vests in the Government under this clause, except to the extent the Government expressly assumes the risk. The Contractor shall repay the Government an amount equal to the unliquidated progress payments that are based on costs allocable to property that is damaged, lost, stolen, or destroyed.

(f) Control of costs and property. The Contractor shall maintain an accounting system and controls adequate for the proper administration of this clause.

(g) Reports and access to records. The Contractor shall promptly furnish reports, certificates, financial statements, and other pertinent information reasonably requested by the Contracting Officer for the administration of this clause. Also, the Contractor shall give the Government reasonable opportunity to examine and verify the Contractor's books, records, and accounts.

(h) Special terms regarding default. If this contract is terminated under the Default clause, (i) the Contractor shall, on demand, repay to the Government the amount of unliquidated progress payments and (ii) title shall vest in the Contractor, on full liquidation of progress payments, for all property for which the Government elects not to require delivery under the Default clause. The Government shall be liable for no payment except as provided by the Default clause.

(i) Reservations of rights.

(1) No payment or vesting of title under this clause shall (i) excuse the Contractor from performance of obligations under this contract or (ii) constitute a waiver of any of the rights or remedies of the parties under the contract.

(2) The Government's rights and remedies under this clause (i) shall not be exclusive but rather shall be in addition to any other rights and remedies provided by law or this contract and (ii) shall not be affected by delayed, partial, or omitted exercise of any right, remedy, power, or privilege, nor shall such exercise or any single exercise preclude or impair any further exercise under this clause or the exercise of any other right, power, or privilege of the Government.

(j) Financing payments to subcontractors. The financing payments to subcontractors mentioned in paragraphs (a)(1) and (a)(2) of this clause shall be all financing payments to subcontractors or division, if the following conditions are met:

(1) The amounts included are limited to -

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(i) The unliquidated remainder of financing payments made; plus

(ii) any unpaid subcontractor requests for financing payments.

(2) The subcontract or interdivisional order is expected to involve a minimum of approximately 6 months between the beginning of work and the first delivery, or, if the subcontractor is a small business concern, 4 months.

(3) If the financing payments are in the form of progress payments, the terms of the subcontract or interdivisional order concerning progress payments -

(i) Are substantially similar to the terms of the clause for any subcontractor that is a large business concern, or that clause with its Alternate I for any subcontractor that is a small business concern;

(ii) Are at least as favorable to the Government as the terms of this clause;

(iii) Are not more favorable to the subcontractor or division than the terms of this clause are to the Contractor;

(iv) Are in conformance with the requirements of FAR 32.504(e); and

(v) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if (A) the Contractor defaults or (B) the subcontractor becomes bankrupt or insolvent.

(4) If the financing payments are in the form of performance-based payments, the terms of the subcontract or interdivisional order concerning payments -

(i) Are substantially similar to the Performance-Based Payments clause at FAR 52.232-32 and meet the criteria for, and definition of, performance-based payments in FAR Part 32;

(ii) Are in conformance with the requirements of FAR 32.504(f); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if - (A) The Contractor defaults; or (B) The subcontractor becomes bankrupt or insolvent.

(5) If the financing payments are in the form of commercial item financing payments, the terms of the subcontract or interdivisional order concerning payments -

(i) Are constructed in accordance with FAR 32.206(c) and included in a subcontract for a commercial item purchase that meets the definition and standards for acquisition of commercial items in FAR Part 2 and 12;

(ii) Are in conformance with the requirements of FAR 32.504(g); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if - (A) The Contractor defaults; or (B) The subcontractor becomes bankrupt or insolvent.

(6) If financing is in the form of progress payments, the progress payment rate in the subcontract is the customary rate used by the contracting agency, depending on whether the subcontractor is or is not a small business concern.

(7) Concerning any proceeds received by the Government for property to which title has vested in the Government under the subcontract terms, the parties agree that the proceeds shall be applied to reducing any unliquidated financing payments by the Government to the Contractor under this contract.

(8) If no unliquidated financing payments to the Contractor remain, but there are unliquidated financing payments that the Contractor's has made to any subcontractor, the Contractor shall be subrogated to all the rights the Government obtained through the terms required by this clause to be in any subcontract, as if all such rights had been assigned and transferred to the Contractor.

(9) To facilitate small business participation in subcontracting under this contract, the Contractor shall provide financing payments to small business concerns, in conformity with the standards for customary contract financing payments stated in Subpart 32.113. The Contractor shall not consider the need for such financing payments as a handicap or adverse factor in the award of subcontracts.

(k) Limitations on Undefined Contract Actions. Notwithstanding any other progress payment provision in this contract, progress

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payments may not exceed eighty percent (80%) of costs incurred on work accomplished under undefinitized contract actions. A "contract action" is any action resulting in a contract, as defined in Subpart 2.1, including contract modifications for additional supplies or services, but not including contract modifications that are within the scope and under the terms of the contract, such as contract modifications issued pursuant to the Changes clause, or funding and other administrative changes. This limitation shall apply to the costs incurred, as computed in accordance with paragraph (a) of this clause, and shall remain in effect until the contract action is definitized. Costs incurred which are subject to this limitation shall be segregated on contractor progress payment requests and invoices from those costs eligible for higher progress payment rates. For purposes of progress payment liquidation, as described in paragraph (b) of this clause, progress payments for undefinitized contract actions shall be liquidated at eighty percent (80%) of the amount invoiced for work performed under the undefinitized contract action as long as the contract action remains undefinitized. The amount of unliquidated progress payments for undefinitized contract actions shall not exceed eighty percent (80%) of the maximum liability of the Government under the undefinitized contract action or such lower limit specified elsewhere in the contract. Separate limits may be specified for separate actions.

(1) Due date. The designated payment office will make progress payments on the 30 day after the designated billing office receives a proper progress payment request. In the event that the Government requires an audit or other review of a specific progress payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date. Progress payments are considered contract financing and are not subject to the interest penalty provision of the Prompt Payment Act.

(End of Clause)

(IF6187)

I-72 52.203-6 RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT JUL/1995

(a) Except as provided in (b) below, the Contractor shall not enter into any agreement with an actual or prospective subcontractor, nor otherwise act in any manner, which has or may have the effect of restricting sales by such subcontractors directly to the Government of any item or process (including computer software) made or furnished by the subcontractor under this contract or under any follow-on production contract.

(b) The prohibition in (a) above does not preclude the Contractor from asserting rights that are otherwise authorized by law or regulation.

(c) The Contractor agrees to incorporate the substance of this clause, including this paragraph (c), in all subcontracts under this contract which exceed \$100,000.

(End of Clause)

(IF7210)

I-73 52.203-7 ANTI-KICKBACK PROCEDURES JUL/1995

(a) Definitions.

Kickback, as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided, directly or indirectly, to any prime Contractor, prime Contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract.

Person, as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or individual.

Prime contract, as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.

Prime Contractor, as used in this clause, means a person who has entered into a prime contract with the United States.

Prime Contractor employee, as used in this clause, means any officer, partner, employee, or agent of a prime Contractor.

Subcontract, as used in this clause, means a contract or contractual action entered into by a prime Contractor or subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.

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Subcontractor, as used in this clause (1) means any person, other than the prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and (2) includes any person who offers to furnish or furnishes general supplies to the prime Contractor or a higher tier subcontractor.

Subcontractor employee, as used in this clause, means any officer, partner, employee, or agent of a subcontractor.

(b) The Anti-Kickback of 1986 (41 U.S.C. 51.58) (the Act), prohibits any person from--

(1) Providing or attempting to provide or offering to provide any kickback;

(2) Soliciting, accepting, or attempting to accept any kickback; or

(3) Including, directly or indirectly, the amount of any kickback in the contract price charged by a prime Contractor to the United States or in the contract price charged by a subcontractor to a prime Contractor or higher tier subcontractor.

(c)(1) The Contractor shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in paragraph (b) of this clause in its own operations and direct business relationships.

(2) When the Contractor has reasonable grounds to believe that a violation described in paragraph (b) of this clause may have occurred, the Contractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the contracting agency, the head of the contracting agency if the agency does not have an inspector general, or the Department of Justice.

(3) The Contractor shall cooperate fully with any Federal agency investigating a possible violation described in paragraph (b) of this clause.

(4) The Contracting Officer may (i) offset the amount of the kickback against any monies owed by the United States under the prime contract and/or (ii) direct that Prime Contractor withhold from sums owed a subcontractor under the prime contract the amount of the kickback. The Contracting Officer may order that monies withheld under subdivision (c)(4)(ii) of this clause be paid over to the Government unless the Government has already offset those monies under subdivision (c)(4)(i) of this clause. In either case, the Prime Contractor shall notify the Contracting Officer when the monies are withheld.

(5) The Contractor agrees to incorporate the substance of this clause, including subparagraph (c)(5) but excepting subparagraph (c)(1), in all subcontracts under this contract which exceed \$100,000.

(End of Clause)

(IF7211)

I-74 52.209-3 FIRST ARTICLE APPROVAL-CONTRACTOR TESTING, ALTERNATE I AND ALTERNATE JAN/1997
II

(a) The Contractor shall test * unit(s) of Lot/Item * as specified in this contract. At least fifteen (15) calendar days before the beginning of first article tests, the Contractor shall notify the Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.

(b) The Contractor shall submit the first article test report within ** calendar days from the date of this contract to * marked 'FIRST ARTICLE TEST REPORT: Contract No.____,Lot/Item No.____.' Within thirty (30) calendar days after the Government receives the test report, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall repeat any or all first article tests. After each request for additional tests, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified by the Government. The Government shall take action on this report within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article report on time, or the Contracting Officer disapproves any first article,

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the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article is not consumed or destroyed in testing, the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules. Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government. If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(h) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government. The Offeror/Contractor may request a waiver.

(i) The Contractor shall produce both the first article and the production quantity at the same facility.

* (See instructions regarding submission of First Article clause)

** (See Schedule B)

(End of Clause)

(IF7116)

I-75 52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH JUL/1995
CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT

(a) The Government suspends or debar Contractors to protect the Government's interests. The Contractor shall not enter into any subcontract in excess of the small purchase limitation at FAR 13.000 with a Contractor that is debarred, suspended, or proposed for debarment unless there is a compelling reason to do so.

(b) The Contractor shall require each proposed first-tier subcontractor, whose subcontract will exceed the small purchase limitation at FAR 13.000, to disclose to the Contractor, in writing whether as of the time of award of the subcontract, the subcontractor, or its principals is or is not debarred, suspended, or proposed for debarment by the Federal Government.

(c) A corporate officer or a designee of the Contractor shall notify the Contracting Officer, in writing, before entering into a subcontract with a party that is debarred, suspended, or proposed for debarment (see FAR 9.404 for information on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs). The notice must include the following:

(1) The name of the subcontractor.

(2) The Contractor's knowledge of the reasons for the subcontractor being on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(3) The compelling reason(s) for doing business with the subcontractor notwithstanding its inclusion on the List of Parties Excluded From Federal Procurement Nonprocurement Programs.

(4) The systems and procedures the Contractor has established to ensure that it is fully protecting the Government's interests when dealing with such subcontractor in view of the specific basis for the party's debarment, suspension, or proposed debarment.

(End of Clause)

(IF7212)

I-76 52.215-8 ORDER OF PRECEDENCE - UNIFORM CONTRACT FORMAT OCT/1997

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Any inconsistency in this solicitation or contract shall be resolved by giving precedence in the following order: (a) the Schedule (excluding the specifications); (b) representations and other instructions; (c) contract clauses; (d) other documents, exhibits, and attachments; and (e) the specifications.

NOTE: The Order of Precedence within the specifications (paragraph (e) above) is: (1) Detailed specifications (including gage designs) for item(s) being procured; (2) Detailed specifications for material or operations; (3) General Specifications for class or items, and (4) General Specifications for class of materials.

(End of Clause)

(IF7003)

I-77 52.222-20 WALSH-HEALEY PUBLIC CONTRACTS ACT DEC/1996

(a) All stipulations required by the Act and regulations issued by the Secretary of Labor (41 CFR Chapter 50) are incorporated by reference. These stipulations are subject to all applicable rulings and interpretations of the Secretary of Labor that are now, or may hereafter, be in effect.

(b) All employees whose work relates to this contract shall be paid not less than the minimum wage prescribed by regulations issued by the Secretary of Labor (41 CFR 50-202.2). Learners, student learners, apprentices, and handicapped workers may be employed at less than the prescribed minimum wage (see 41 CFR 50-202.3) to the same extent that such employment is permitted under Section 14 of the Fair Labor Standards Act (41 U.S.C. 40).

(End of clause)

(IF7114)

I-78 52.227-1 AUTHORIZATION AND CONSENT JUL/1995

(a) The Government authorizes and consents to all use and manufacture, in performing this contract or any subcontract at any tier, of any invention described in and covered by a United States patent (1) embodied in the structure or composition of any article the delivery of which is accepted by the Government under this contract or (2) used in machinery, tools, or methods whose use necessarily results from compliance by the Contractor or a subcontractor with (i) specifications or written provisions forming a part of this contract or (ii) specific written instructions given by the Contracting Officer directing the manner of performance. The entire liability to the Government for infringement of a patent of the United States shall be determined solely by the provisions of the indemnity clause, if any, included in this contract or any subcontract hereunder (including any lower-tier subcontract), and the Government assumes liability for all other infringement to the extent of the authorization and consent hereinabove granted.

(b) The Contractor agrees to include, and require inclusion of, this clause, suitably modified to identify the parties, in all subcontracts at any tier for supplies or services (including construction, architect-engineer services, and materials, supplies, models, samples, and design or testing services expected to exceed the simplified acquisition threshold); however, omission of this clause from any subcontract, including those at or below the simplified acquisition threshold, does not affect this authorization and consent.

(End of Clause)

(IF7220)

I-79 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES APR/1984

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

(b) The use in this solicitation or contract of any DOD FAR SUPPLEMENT (48 CFR Chapter 2) clause with an authorized deviation is indicated by the addition of '(DEVIATION)' after the name of the regulation.

(End of clause)

(IF7016)

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DFARS

(a) Definition. "SPI process," as used in this clause, means a management or manufacturing process that has been accepted previously by the department of defense under the Single Process Initiative (SPI) for use in lieu of specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives from the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI process in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI process accepted at specific facilities is available via the Internet in Excel format at <http://www.dema.mil/onebook/0.0/0.2/reports/modified/xls>.

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standard cited in the solicitation shall--

(1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted,

(2) identify each facility at which the offeror proposed to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;

(3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and

(4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.

(d) Absent a determination that an SPI process is not acceptable for this procurement, the Contractor shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: _____

Facility: _____

Military or Federal Specification or Standard: _____

Affected Contract Line Item Number, Subline Item Number, Component, or Element: _____

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror -

(1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer;but

(2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

(End of Clause)

(IA7009)

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SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACT DATA REQUIREMENTS LIST		002	
Exhibit B	NOT USED			
Exhibit C	PRICING EVALUATION		001	
Attachment 001	DOCUMENT SUMMARY LIST		001	
Attachment 002	ADDRESS CODE DISTRIBUTION		001	
Attachment 003	MIL-E-70694 REVISION A WITH AMENDMENT 2		022	

The following documents are hereby attached by reference and form a part of this acquisition. These documents are available in electronic format on the internet at <http://aais.ria.army.mil/aais/SOLINFO/index.htm>. Vendors should ensure that they have the correct revisions in their possession prior to submitting a bid proposal/quote.

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>
Attachment 1A	Instructions for Completing DD Form 1423	JUN 90	1 Pg
Attachment 2A	IOC Form 715-3	FEB 96	2 Pgs
Attachment 3A	AMCCOM Form 71-R	01OCT88	2 Pgs
Attachment 4A	Guidance on Documentation of Contract Data Requirements List (CDRL)		2 Pgs
Attachment 5A	Disclosure of Lobbying Activities (SF-LLL)		3 Pgs
Attachment 6A	Data Delivery Description - Engineering Change Proposal	JUL 01	9 Pgs
Attachment 7A	Data Delivery Description - Notice of Revision	JUL 01	2 Pgs
Attachment 8A	Data Delivery Description - Request for Deviation	JUL 01	4 Pgs

(End of Clause)

(JS7001)