

AWARD/CONTRACT	1. This Contract Is A Rated Order Under DPAS (15 CFR 700)	Rating DOA4	Page 1 Of 16
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2. Contract (Proc. Inst. Ident) No. W56HZV-04-C-B004	3. Effective Date 2004SEP08	4. Requisition/Purchase Request/Project No. SEE SCHEDULE
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5. Issued By TACOM WARREN SFAE-GCSS-BCT-P PATRICIA HORTON (586)753-2064 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL e-mail address: HORTONP@TACOM.ARMY.MIL	Code W56HZV	6. Administered By (If Other Than Item 5) DCMA DALLAS 600 N PEARL STREET SUITE 1630 DALLAS, TX 75201-2843 SCD C PAS NONE ADP PT HQ0339	Code S4402A
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7. Name And Address Of Contractor (No. Street, City, County, State, And Zip Code) RAYTHEON COMPANY 2501 W UNIVERSITY DRIVE P.O. BOX 801, M/S 8064 MC KINNEY, TX. 75070-0801 TYPE BUSINESS: Large 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 To The Address Shown In: 12

Code 96214	Facility Code	11. Ship To/Mark For SEE SCHEDULE
		12. Payment Will Be Made By DFAS - COLUMBUS CENTER DFAS-CO/WEST ENTITLEMENT OPERATIONS P.O. BOX 182381 COLUMBUS, OH 43218-2381

13. Authority For Using Other Than Full And Open Competition: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(2) <input type="checkbox"/> 41 U.S.C. 253(c)()	14. Accounting And Appropriation Data ACRN: AA 21 42020000045R5R07P1351982571 S20113 W56HZV
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15A. Item No. SEE SCHEDULE	15B. Schedule Of Supplies/Services CONTRACT TYPE: Cost-Plus-Fixed-Fee	15C. Quantity	15D. Unit	15E. Unit Price	15F. Amount
Contract Expiration Date: 2005JUN30					
15G. Total Amount Of Contract					\$133,700.00

16. Table Of Contents							
(X)	Section	Description	Page(s)	(X)	Section	Description	Page(s)
Part I - The Schedule				Part II - Contract Clauses			
X	A	Solicitation/Contract Form	1	X	I	Contract Clauses	12
X	B	Supplies or Services and Prices/Costs	2	Part III - List Of Documents, Exhibits, And Other Attachments			
X	C	Description/Specs./Work Statement	4		J	List of Attachments	
	D	Packaging and Marking		Part IV - Representations And Instructions			
X	E	Inspection and Acceptance	6		K	Representations, Certifications, and Other Statements of Offerors	
X	F	Deliveries or Performance	7		L	Instrs., Conds., and Notices to Offerors	
X	G	Contract Administration Data	8		M	Evaluation Factors for Award	
X	H	Special Contract Requirements	9				

Contracting Officer Will Complete Item 17 Or 18 As Applicable

17. <input checked="" type="checkbox"/> Contractor's Negotiated Agreement (Contractor is required to sign this document and return 2 signed 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 type="checkbox"/> Award (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
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19A. Name And Title Of Signer (Type Or Print)	20A. Name Of Contracting Officer SANDRA E. MCCARROLL MCCARROS@TACOM.ARMY.MIL (586)753-2072
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 2004SEP08

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-04-C-B004 MOD/AMD

Name of Offeror or Contractor: RAYTHEON COMPANY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0001	SECURITY CLASS: Unclassified				
0001AA	<p><u>DELIVERABLE SERVICE</u></p> <p>NOUN: LRAS REMOTE STUDY (OPT 1) PRON: X14GXD2KX1 PRON AMD: 01 ACRN: AA AMS CD: 13519800000</p> <p>Estimated Cost \$120,797 Fixed Fee 12,903</p> <p><u>Total Estimated Cost</u> \$133,700</p> <p>(End of narrative C001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u> DOC SUPPL <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u> 001 000000 3 <u>DEL REL CD QUANTITY DEL DATE</u> 001 1 26-NOV-2004</p> <p>FOB POINT: Destination</p> <p>SHIP TO: <u>PARCEL POST ADDRESS</u> (000000) SEE BELOW</p>	1	LO	\$ 133,700.00000	\$ 133,700.00
0002	SECURITY CLASS: Unclassified				
0002AA	<p><u>Service Option</u></p> <p>NOUN: LRAS REMOTE STUDY (OPT 2)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p>				

CONTINUATION SHEET

Reference No. of Document Being Continued
PIIN/SIIN W56HZV-04-C-B004 **MOD/AMD**

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Name of Offeror or Contractor: RAYTHEON COMPANY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<u>Deliveries or Performance</u>				

Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

Statement of Work
LRAS3 Remote Power

Objective: To determine the best method to extend the LRAS3 in its dismount configuration to a range of 50 meters (threshold) to 400 meters (objective) from the Reconnaissance Vehicle (RV) while using vehicle power. FBCB2 capability will not be required for the remote power capability. No updates to the LRAS33 Technical Manuals is required as part of this development.

Scope: The Contractor will determine if a MIL qualified or ruggedized Commercial Off-The-shelf(COTS) AC/DC Power cable solution (Option 1) exists to connect the VPC to the LRAS3. If the Contractor determines that a MIL qualified or COTS power conversion solution is not feasible, the contractor will present data to the Government justifying the need to investigate alternate solutions. If no such solution exists the contractor will determine if it is feasible to use a 50 meter DC power extension cable (Option 2) that would connect from the VPC to the LRAS3. The VPC will be cabled to represent its configuration in the RV. If the Contractor determines that the DC power extension cable is not feasible, the Contractor will present data to the Government justifying the need to investigate alternate solutions. If additional VPCs are required, rationale will be provided. The LRAS3 power requirements and characteristics, LRAS performance (turn-on, turn-off, operation, range-finding, BIT, etc.) will be recorded based on Engineering Lab and HMMWV testing conducted at the Contractor's facility.

Contractor Responsibilities:

AC/DC Power conversion - Option 1:

1. The Contractor will investigate MIL qualified or COTS DC/AC converters, AC/DC converters and AC power cords to remotely power the LRAS3 utilizing vehicle power. Threshold distance is 50 meters and the Objective distance is 400 meters. The power conversion equipment will be able to operate over 110-220VAC, 50-60 Hz. If additional VPCs are required, rationale will be provided.
2. Utilize Contractor's existing test equipment and fixtures to test for voltage transients, voltage drops at the VPC and LRAS3 input during turn-on and steady state conditions at the Contractor's test facility.
3. The extension cables will be MIL qualified or ruggedized commercial grade. The power conversion units will be MIL qualified or ruggedized commercial grade enclosures with input/output power connectors and have adequate ventilation. The cables connecting to the vehicle 28VDC source, and the LRAS3 will use as a minimum: #12 AWG wire, double braid and MIL connectors. Basic cable construction will be similar to the existing LRAS3 vehicle interface cables.
4. Provide documentation (Contractor's format) on LRAS3 performance as they relate to the lab environment and field environments during the use of the alternative solutions. Document any limitations of the LRAS3 during the use of the equipment. The contractor shall informally review its findings with the PM SBCT technical office upon completing its research (WBS Task 1.04 on available power supplies and power cords.
5. Generate Raytheon drawings/documentation on the alternative solutions equipment as they relate to the construction of production units (MIL qualified wire, connectors, cable jacketing, power conversion, enclosures, weight, volume, etc.)
6. Provide a formal quote for 51 production sets.
7. The contractor shall submit a Final Technical Report under Contract Data Requirements List (CDRL) Sequence NO.TBD1 in contractor format summarizing the results of the research and testing conducted as required above.

DC Power Extension Cable-Option 2: (Unfunded Option)

1. If the Contractor determines that AC/DC power conversion approach is not feasible, the Contractor will provide an Engineering rationale to the Government before proceeding with this option. Upon governmental notification, the Contractor will investigate the use of a 50 meter (objective and threshold) extension cable the LRAS3 utilizing vehicle power. Utilize Contractor's existing test equipment and fixtures to test for voltage transients, voltage drops at the VPC and LRAS3 input during turn-on and steady state conditions at the Contractor's test facility.
2. The 50 meter extension cable will be connected inline from the VPC to the LRAS3 input power connector. provide materials and services to construct the 50 meter prototype extension cable. The cable will use as a minimum: #12 AWG wire, double braid and cable connectors to mate with the VPC and LRAS3 input power connector. Basic cable construction will be similar to the existing LRAS3 vehicle interface cables.
3. Provide documentation (Contractor's format) on LRAS3 performance as they relate to the lab environment and field environments during the use of the extension cable. Document any limitations of the LRAS3 during the use of the extension cable.

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Name of Offeror or Contractor: RAYTHEON COMPANY

4. Generate Raytheon drawings/documentation on the 50 meter extension cable as they relate to the construction of production cables (MIL qualified wire, connectors, cable jacketing, weight, volume, etc.).

*** END OF NARRATIVE C 001 ***

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SECTION E - INSPECTION AND ACCEPTANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
E-1	52.246-5	INSPECTION OF SERVICES - COST-REIMBURSEMENT	APR/1984
E-2	52.246-4030 (TACOM)	INSPECTION POINT: DESTINATION	AUG/1994

We'll make our Procurement Quality Assurance inspection at the destination(s) listed in the Schedule. We'll be checking the supplies to make sure they conform with applicable drawings and specifications.

[End of Clause]

E-3	52.246-4031 (TACOM)	ACCEPTANCE POINT: DESTINATION	AUG/1994
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The Government will accept the supplies at the destination(s) listed in the Schedule.

[End of Clause]

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SECTION F - DELIVERIES OR PERFORMANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
F-1	52.242-15	STOP WORK ORDER--(ALTERNATE I dated APR 1984)	AUG/1989
F-2	52.247-34	F.O.B. DESTINATION	NOV/1991
F-3	52.247-48	F.O.B. DESTINATION--EVIDENCE OF SHIPMENT (DEVIATION)	FEB/1999
F-4	52.247-55	F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY	JUN/2003
F-5	52.227-4002 (TACOM)	DATA (SOFTWARE)	APR/1985

All data deliverable under this contract shall be delivered in accordance with the quantities and schedules as specified on the Contract Data Requirements List (CDRL) DD Form 1423, and shall be delivered F.O.B. Destination to the following address:

Commander
US Army Tank-automotive and Armaments Command
ATTN: (See DD Form 1423, Block 14)
Warren, MI 48397-5000

CONTINUATION SHEET

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Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/	AMS CD/	OBLG	ACCOUNTING CLASSIFICATION	JOB	ACCOUNTING	OBLIGATED	
ITEM	MIPR	ACRN	STAT		ORDER	STATION	AMOUNT	
					NUMBER			
0001AA	X14GXD2KX1	AA	1	21 42020000045R5R07P1351982571 S20113	4GX2CK	W56HZV \$	133,700.00	
	13519800000							
	X14GX135C000							
TOTAL							\$	133,700.00

SERVICE	ACCOUNTING	OBLIGATED
NAME	STATION	AMOUNT
Army	W56HZV	\$ 133,700.00
TOTAL		\$ 133,700.00

Regulatory Cite _____ Title _____ Date _____

G-1 252.201-7000 CONTRACTING OFFICER'S REPRESENTATIVE DEC/1991

(a) Definition. Contracting Officer's Representative means an individual designated in accordance with subsection 201.602-2 of the Defense Federal Acquisition Regulation Supplement and authorized in writing by the contracting officer to perform specific technical or administrative functions.

(b) If the Contracting Officer designates a contracting officer's representative (COR), the Contractor will receive a copy of the written designation. It will specify the extent of the COR's authority to act on behalf of the contracting officer. The COR is not authorized to make any commitments or changes that will affect price, quality, quantity, delivery, or any other term or condition of the contract.

[End of Clause]

G-2 52.232-4005 INVOICE INFORMATION REQUIREMENT JAN/1988
 (TACOM)

On each payment request submitted, the Contractor shall identify each affected Contract Line Item Number (CLIN), sub-CLIN, and/or work directive, together with the related dollar amounts. This requirement does not diminish or restrict any other requirement of this contract.

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
H-1	252.204-7000	DISCLOSURE OF INFORMATION	DEC/1991
H-2	252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED	DEC/1991
H-3	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
H-4	252.211-7000	ACQUISITION STREAMLINING	DEC/1991
H-5	252.223-7006	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS	APR/1993
H-6	252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	SEP/1999
H-7	252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
H-8	252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM	DEC/2000
H-9	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2003
H-10	252.246-7001	WARRANTY OF DATA	DEC/1991
H-11	252.225-7043	ANTITERRORISM/FORCE PROTECTION FOR DEFENSE CONTRACTORS OUTSIDE THE UNITED STATES	JUN/1998

(a) Except as provided in paragraph (b) of this clause, the Contractor and its subcontractors, if performing or traveling outside the United States under this contract, shall-

(1) Affiliate with the Overseas Security Advisory Council, if the Contractor or subcontractor is a U.S. entity;

(2) Ensure that Contractor and subcontractor personnel who are U.S. nationals and are in-country on a non-transitory basis, register with the U.S. Embassy, and that Contractor and subcontractor personnel who are third country nationals comply with any security related requirements of the Embassy of their nationality;

(3) Provide, to Contractor and subcontractor personnel, antiterrorism/force protection awareness information commensurate with that which the Department of Defense (DoD) provides to its military and civilian personnel and their families, to the extent such information can be made available prior to travel outside the United States; and

(4) Obtain and comply with the most current antiterrorism/force protection guidance for Contractor and subcontractor personnel.

(b) The requirements of this clause do not apply to any subcontractor that is-

(1) A foreign government;

(2) A representative of a foreign government; or

(3) A foreign corporation wholly owned by a foreign government.

(c) Information and guidance pertaining to DoD antiterrorism/force protection can be obtained from HQDA (DAMO-ODL)/ODCSOP; telephone, DSN 225-8491 or commercial (703) 695-8491. For additional information: Assistant Secretary of Defense for Special Operations and Low Intensity Conflict, ASD(SOLIC); telephone, DSN 255-0044 or commercial (703) 695-0044.

[End of Clause]

H-12 52.204-4005 REQUIRED USE OF ELECTRONIC CONTRACTING JUN/2004

(a) All contract awards, modifications and delivery orders issued by TACOM will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference", meaning only clause titles and regulation site are listed; their full texts can be found at the website <http://farsite.hill.af.mil/>

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) Central Contractor Registration (CCR). The CCR registration process may be done electronically at the World Wide Web (WWW) site: <http://www.ccr.gov/>. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate TACOM webpage:

Warren: http://contracting.tacom.army.mil/awards_official.htm

Rock Island: <http://aais.ria.army.mil/AAIS/AWDINFO/index.htm>

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Picatiny: <http://procnet.pica.army.mil/Contracts/Index.htm>
Red River Army Depot: <http://www.redriver.army.mil/contracting/Awards>
Anniston Army Depot: <http://www.anadprocnet.army.mil>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Training Partner Profile is contained in the basic CCR registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/ec/ecip/index.htm>. If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Acceptable formats include:

- (1) Microsoft* 2002 Office Products (TACOM can currently read Office 2002* and lower.): Word, Excel, Powerpoint, or Access
- (2) 100 or 250 MEGABYTE ZIP*-DISK, 3 1/2 INCH DISK, or 650 MEGABYTE CD ROM
- (3) E-MAIL (Maximum size of each e-mail message is be three and one-half (3.5) megabytes).
- (4) Other electronic formats. Before submitting your data in any other electronic format, please e-mail the buyer identified on the face of the contract, with e-mail copy-furnished to amsta-idq@tacom.army.mil, to obtain a decision as to the format's acceptability. This e-mail must be received by the buyer not later than ten calendar days before the required data submission date.

NOTE: The above formats may be submitted in compressed form using self-extracting files.

(f) Additional information can be obtained by sending a message to: acqcenweb@tacom.army.mil or by calling (586) 574-7059.

[End of Clause]

H-13 52.216-4008 STATUS OF FUNDS ON COST REIMBURSEMENT CONTRACTS/CLINS JUN/1989
(TACOM)

(a) The Contractor shall review the funding as it relates to work performed on the cost-reimbursement Contract Line Item Numbers (CLINs) under this contract and shall provide to the Procuring Contracting Officer (PCO) a written determination of what, if any, funds are excess to requirements (leaving a reasonable amount for final overhead rate negotiations and other reasonably predicted requirements) and are available for deobligation. This review shall be coordinated with the Administrative Contracting Officer (ACO), and the written determination shall be accomplished within 120 days of completion of performance under the CLIN. The report shall be prepared in terms of dollars available per Purchase Request Order Number (PRON), unless requested otherwise by the PCO.

(b) This report may be requested in writing by the PCO on additional occasions during the course of performance of work on cost-reimbursable CLINS contained in this contract. On such occasions, the written report shall be provided to the PCO within 14 days of Contractor receipt of the written request.

(End of clause)

H-14 52.246-4026 LOCAL ADDRESSES FOR DD FORM 250 JAN/2002
(TACOM)

(a) The contractor must provide a copy of each Material Inspection and Receiving Report (DD 250) pertaining to this contract, to the addresses given below, using either of the following methods:

(1) Our first preference is for you to use electronic mail (e-mail), using the following e-mail address: DD250@tacom.army.mil

(2) Our second preference is for you to use data facsimile (datafax) transmission, using this fax number: (586) 574-5527 and use "DD250 mailbox" in the "to:" block of your fax cover or header sheet.

In either method, do not mix DD250s from more than one contract in a single transmission. That is, you may submit multiple DD250s in a single transmission, but they must all be against the same contract.

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(b) These copies meet the requirements for the Purchasing Office copy and the Army Inventory Control Manager copy listed in tables 1 and 2 of DFARS Appendix F.

(c) The DD250 form may be found, in three different formats, on the World Wide Web at <http://webl.whs.osd.mil/icdhome/DD-0999.htm>

[End of Clause]

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Name of Offeror or Contractor: RAYTHEON COMPANY

SECTION I - CONTRACT CLAUSES

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1	52.202-1	DEFINITIONS	JUL/2004
I-2	52.203-3	GRATUITIES	APR/1984
I-3	52.203-5	COVENANT AGAINST CONTINGENT FEES	APR/1984
I-4	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	JUL/1995
I-5	52.203-7	ANTI-KICKBACK PROCEDURES	JUL/1995
I-6	52.203-8	CANCELLATION, RESCISSION AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-7	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	JAN/1997
I-8	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	JUN/2003
I-9	52.204-2	SECURITY REQUIREMENTS	AUG/1996
I-10	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER	AUG/2000
I-11	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	JUL/1995
I-12	52.215-2	AUDIT AND RECORDS - NEGOTIATIONS	JUN/1999
I-13	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT/1997
I-14	52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS	JAN/2004
I-15	52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS	OCT/1997
I-16	52.215-19	NOTIFICATION OF OWNERSHIP CHANGES	OCT/1997
I-17	52.216-7	ALLOWABLE COST AND PAYMENT	DEC/2002
I-18	52.216-8	FIXED FEE	MAR/1997
I-19	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
I-20	52.222-4	CONTRACT WORK HOURS AND SAFETY STANDARDS ACT--OVERTIME COMPENSATION	SEP/2000
I-21	52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES	JUN/2004
I-22	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-23	52.222-26	EQUAL OPPORTUNITY	APR/2002
I-24	52.222-29	NOTIFICATION OF VISA DENIAL	JUN/2003
I-25	52.222-35	AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA	DEC/2001
I-26	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	JUN/1998
I-27	52.222-37	EMPLOYMENT REPORTS ON SPECIAL DISABLED VETERANS, VETERANS OF THE VIETNAM ERA, AND OTHER ELIGIBLE VETERANS	DEC/2001
I-28	52.223-3	HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA	JAN/1997
I-29	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION	AUG/2003
I-30	52.223-6	DRUG FREE WORKPLACE	MAY/2001
I-31	52.223-10	WASTE REDUCTION PROGRAM	AUG/2000
I-32	52.225-8	DUTY-FREE ENTRY	FEB/2000
I-33	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JAN/2004
I-34	52.227-1	AUTHORIZATION AND CONSENT	JUL/1995
I-35	52.228-7	INSURANCE--LIABILITY TO THIRD PERSONS	MAR/1996
I-36	52.232-9	LIMITATION ON WITHHOLDING OF PAYMENTS	APR/1984
I-37	52.232-17	INTEREST	JUN/1996
I-38	52.232-20	LIMITATION OF COST	APR/1984
I-39	52.232-23	ASSIGNMENT OF CLAIMS	JAN/1986
I-40	52.232-25	PROMPT PAYMENT	OCT/2003
I-41	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION	OCT/2003
I-42	52.233-1	DISPUTES	JUL/2002
I-43	52.233-3	PROTEST AFTER AWARD -- (ALTERNATE I, dated JUN 1985)	AUG/1996
I-44	52.242-1	NOTICE OF INTENT TO DISALLOW COSTS	APR/1984
I-45	52.242-3	PENALTIES FOR UNALLOWABLE COSTS	MAY/2001
I-46	52.242-4	CERTIFICATION OF INDIRECT COSTS	JAN/1997
I-47	52.242-12	REPORT OF SHIPMENT (REPSHIP)	JUN/2003
I-48	52.242-13	BANKRUPTCY	JUL/1995
I-49	52.243-2	CHANGES--COST-REIMBURSEMENT (ALTERNATE I, dated April 1984)	AUG/1987
I-50	52.243-6	CHANGE ORDER ACCOUNTING	APR/1984
I-51	52.244-2	SUBCONTRACTS (ALT I--AUG 1998)	AUG/1998
I-52	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
I-53	52.245-1	PROPERTY RECORDS	APR/1984
I-54	52.245-5	GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) (Deviation, per DAR Tracking Number 99-00008, 13 July 99)	MAY/2004
I-55	52.245-18	SPECIAL TEST EQUIPMENT	FEB/1993

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	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-56	52.246-25	LIMITATION OF LIABILITY--SERVICES	FEB/1997
I-57	52.247-63	PREFERENCE FOR U.S.-FLAG AIR CARRIERS	JUN/2003
I-58	52.249-6	TERMINATION (COST-REIMBURSEMENT)	MAY/2004
I-59	52.249-14	EXCUSABLE DELAYS	APR/1984
I-60	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-61	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE CONTRACT-RELATED FELONIES	MAR/1999
I-62	252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY	NOV/1995
I-63	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY per DoD interim rule, Federal Register 27 Mar 98	MAR/1998
I-64	252.211-7005	SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS	FEB/2003
I-65	252.215-7000	PRICING ADJUSTMENTS	DEC/1991
I-66	252.215-7002	COST ESTIMATING SYSTEM REQUIREMENTS	OCT/1998
I-67	252.223-7004	DRUG-FREE WORK FORCE	SEP/1988
I-68	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	JUN/2004
I-69	252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS AND INDIAN-OWNED ECONOMIC ENTERPRISES	SEP/2001
I-70	252.227-7013	RIGHTS IN TECHNICAL DATA --NONCOMMERCIAL ITEMS	NOV/1995
I-71	252.227-7017	IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS	JUN/1995
I-72	252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	JUN/1995
I-73	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-74	252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS	JAN/2004
I-75	252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
I-76	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	MAR/1998
I-77	252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS (DoD CONTRACTS)	MAR/2000
I-78	252.245-7001	REPORTS OF GOVERNMENT PROPERTY	MAY/1994
I-79	52.222-2	PAYMENT FOR OVERTIME PREMIUMS	JUL/1990

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

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

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

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

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

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

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

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

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

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

(End of clause)

I-80	52.204-7	CENTRAL CONTRACTOR REGISTRATION	OCT/2003
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(a) Definitions. As used in this clause--

"Central Contractor Registration (CCR) database" means the primary Government repository for contractor information required for the conduct of business with the Government.

"Commercial and Government Entity (CAGE) code" means--

(1) A code assigned by the Defense Logistics Information Service (DLIS) to identify a commercial or Government entity; or

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(2) A code assigned by a member of the North Atlantic Treaty Organization that DLIS records and maintains in the CAGE master file. This type of code is known as an "NCAGE code."

"Data Universal Numbering System (DUNS) number" means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.

"Data Universal Numbering System +4 (DUNS+4) number" means the DUNS number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see Subpart 32.11 of the Federal Acquisition Regulation) for the same parent concern.

"Registered in the CCR database" means that-

- (1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database;
- (2) The Contractor's CAGE code is in the CCR database; and
- (3) The Government has validated all mandatory data fields and has marked the records "Active."

(b)

(1) By submission of an offer, the offeror acknowledges the requirement that a prospective awardee shall be registered in the CCR database prior to award, during performance, and through final payment of any contract, basic agreement, basic ordering agreement, or blanket purchasing agreement resulting from this solicitation.

(2) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation DUNS or DUNS+4 followed by the DUNS or DUNS+4 number that identifies the offerors name and address exactly as stated in the offer. The DUNS number will be used by the Contracting Officer to verify that the offeror is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at <http://www.dnb.com/> ; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business name.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company physical street address, city, state and Zip Code.

(iv) Company mailing address, city, state and Zip Code (if separate from physical).

(v) Company telephone number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Governments reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(1)

(i) If a Contractor has legally changed its business name, doing business as name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business days written notification of its intention to:

(A) Change the name in the CCR database;

(B) Comply with the requirements of Subpart 42.12 of the FAR;

(C) Agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the Suspension of Payment paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractors CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will

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be considered to be incorrect information within the meaning of the Suspension of payment paragraph of the EFT clause of this contract.

(g) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the Internet at <http://www.ccr.gov/> or by calling 1-888-227-2423, or 269-961-5757.

(End of clause)

I-81 52.223-11 OZONE-DEPLETING SUBSTANCES

MAY/2001

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR part 82 as--

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

(2) Class II, including but not limited to, hydrochlorofluorocarbons.

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

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

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

[End of Clause]

I-82 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS

JUL/2004

(a) Definitions. As used in this clause--

(1) "Commercial item" has the meaning contained in Federal Acquisition Regulation 2.101, Definitions.

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

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

(c)

(1) The contractor shall insert the following clauses in subcontracts for commercial items:

(i) 52.219-8, Utilization of Small Business Concerns (May 2004)(15U.S.C. 637(d)(2) and (3)), in all subcontracts that offer subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$500,000 (\$1,000,000 for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(ii) 52.222-26, Equal Opportunity (APR 2002)(E.O. 11246);

(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212(a));

(iv) 52.222-36, Affirmative Action for Workers with Disabilities (JUN 1998)(29 U.S.C. 793);

(v) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (APR 2003) (46 U.S.C. Appx 1241 and 10 U.S.C. 2631) (flow down required in accordance with paragraph (d) of FAR clause 52.247-64).

(2) While not required, the Contractor may flow down to subcontracts for commercial items a minimum number of additional clauses necessary to satisfy its contractual obligations.

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

[End of Clause]

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I-83

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 (DFARS) (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

[End of Clause]