**DEPARTMENT OF DEFENSE**

**CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all aspects of this effort)

<table>
<thead>
<tr>
<th>1. CLEARANCE AND SAFEGUARDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FACILITY CLEARANCE REQUIRED</td>
</tr>
<tr>
<td>LEVEL OF SAFEGUARDING REQUIRED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. THIS SPECIFICATION IS FOR: (X and complete as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. PRIME CONTRACT NUMBER</td>
</tr>
<tr>
<td>b. SUBCONTRACT NUMBER</td>
</tr>
<tr>
<td>c. SOLICITATION OR OTHER NUMBER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. THIS SPECIFICATION IS: (X and complete as applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. ORIGINAL (Complete date in all cases)</td>
</tr>
<tr>
<td>b. REVISED (Supersedes all previous specs)</td>
</tr>
<tr>
<td>c. FINAL (Complete form 5 in all cases)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. IS THIS A FOLLOW-ON CONTRACT?</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
</table>

If Yes complete the following:

Classified material received or generated under __________ (Preceding Contract Number) is transferred to this follow-on contract for the period of __________.

<table>
<thead>
<tr>
<th>6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. NAME, ADDRESS, AND ZIP CODE</td>
</tr>
<tr>
<td>b. CAGE CODE</td>
</tr>
<tr>
<td>c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</td>
</tr>
</tbody>
</table>

**Raytheon Company**

350 Lowell Street
Andover, MD 01810

<table>
<thead>
<tr>
<th>7. SUBCONTRACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. NAME, ADDRESS, AND ZIP CODE</td>
</tr>
<tr>
<td>b. CAGE CODE</td>
</tr>
<tr>
<td>c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</td>
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**ACTUAL PERFORMANCE**

<table>
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<tr>
<th>a. LOCATION</th>
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<tbody>
<tr>
<td>b. CAGE CODE</td>
</tr>
<tr>
<td>c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. GENERAL IDENTIFICATION OF THIS PROCUREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor support to ____________ exercise.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>(b)(7)(E)</th>
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</table>

<table>
<thead>
<tr>
<th>10. THIS CONTRACT WILL REQUIRE ACCESS TO:</th>
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</thead>
<tbody>
<tr>
<td>a. COMMUNICATIONS SECURITY (COMSEC)</td>
</tr>
<tr>
<td>b. RESTRICTED DATA</td>
</tr>
<tr>
<td>c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION</td>
</tr>
<tr>
<td>d. FORMERLY RESTRICTED DATA</td>
</tr>
<tr>
<td>e. INTELLIGENCE INFORMATION</td>
</tr>
<tr>
<td>f. SPECIAL ACCESS INFORMATION</td>
</tr>
<tr>
<td>g. NATO INFORMATION</td>
</tr>
<tr>
<td>h. FOREIGN GOVERNMENT INFORMATION</td>
</tr>
<tr>
<td>i. LIMITED DISSEMINATION INFORMATION</td>
</tr>
<tr>
<td>j. FOR OFFICIAL USE ONLY INFORMATION</td>
</tr>
<tr>
<td>k. OTHER (Specify)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:</th>
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</thead>
<tbody>
<tr>
<td>a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER</td>
</tr>
<tr>
<td>CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY</td>
</tr>
<tr>
<td>b. RECEIVE CLASSIFIED DOCUMENTS ONLY</td>
</tr>
<tr>
<td>c. RECEIVE AND GENERATE CLASSIFIED MATERIAL</td>
</tr>
<tr>
<td>d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE</td>
</tr>
<tr>
<td>e. PERFORM SERVICES ONLY</td>
</tr>
<tr>
<td>f. REQUIRE A COMSEC ACCOUNT</td>
</tr>
<tr>
<td>g. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS</td>
</tr>
<tr>
<td>h. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE</td>
</tr>
<tr>
<td>i. OTHER (Specify)</td>
</tr>
</tbody>
</table>

Form 254, DEC 1999 Previous editions are obsolete
1. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public release shall be submitted for approval prior to release.

Program Executive Office Missiles and Space, Redstone Arsenal AL 35898-0000.

See continuation sheet.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to IBM requirements, are established for this contract. (If Yes, identify the pertinent contractual clause in the contract document level, or provide an appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use item 13 if additional space is needed.)

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas or elements covered and the activity responsible for inspections. Use item 13 if additional space is needed.)

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be returned to the official named below.

- ADDRESS (Include ZIP Code)
  SFAE-MSLS
  Redstone Arsenal, AL 35898

- SIGNATURE
  

JD Form 254 (BACK), DEC 1999
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1.0 OBJECTIVES

The Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) Product Office (PO) provides support to the using the JLENS All-Software PTIR/Sur Emulation in Real time (b)(3) (A) and allows for a parametric characterization of the air picture for use in the Operator-in-the-Loop (OITL) environment. The support will provide simulation hardware and software, along with meeting, integration, and operational support.

2.0 SCOPE

2.1 This Statement of Work (SOW) defines the requirements for the contractor support to (b)(3)(A) This work supports the evaluation of advanced concepts for cruise missile defense, including integrated fire control (IFC), single integrated air picture (SIAP) and

2.2 The contractor shall provide and maintain the simulation hardware (workstations) and simulation software (b)(3)(A) for these exercises, along with providing operators in accordance with the requirements of paragraph 3.2 below. The contractor shall provide input of scenario specifics, and operation of the models and simulations during exercises and tests. The operator support is provided to allow integrating JLENS into the operational air defense environment.

3.0 PROGRAM MANAGEMENT

3.1 General

The contractor shall ensure all activities are controlled, scheduled, monitored, reported, and managed consistent with and supportive of the requirements set forth in this SOW.

3.2 Travel

Integration and test exercise preparation at the Feb/Mar 07 exercise – Integration support for this exercise will be provided by telephone

Test exercise support at the Feb/Mar 07 exercise -
3.3 Deliverables and Data Management

3.3.1 The Contractor shall maintain JLENS hardware and software currently installed at the [redacted] in support of this exercise.

3.3.2 The Contractor shall prepare a trip report in contractor format for the exercise, describing JLENS participation and any issues encountered.
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**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>1. AMENDMENT/MODIFICATION NO.</th>
<th>V. CONTRACTED CODE</th>
<th>PAGE OF PAGES</th>
<th>WO0135</th>
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<tr>
<td>2. ISSUED BY CODE</td>
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<td>11-May-2007</td>
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<td>4. REQUISITION/PURCHASE REQ. NO.</td>
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<td>5. PROJECT NO. (Applicable)</td>
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<td>6. ADMINISTERED BY (Other than item 5)</td>
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<td></td>
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<tr>
<td>DCMA RAYTHEON</td>
<td>S2255A</td>
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<tr>
<td>78 APPLE HILL DRIVE</td>
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<td>MA 22052</td>
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<tr>
<td>TEMPESTURY MA 05625</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)</td>
<td>9530 LOWELL STREET</td>
<td>ANDOVER MA 01810</td>
<td>05716</td>
</tr>
<tr>
<td>9. NAME AND ADDRESS OF ORGANIZATION (No., Street, County, State and Zip Code)</td>
<td>9530 LOWELL STREET</td>
<td>ANDOVER MA 01810</td>
<td>05716</td>
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<tr>
<td>10. MOD. OF CONTRACT/ORDER NO.</td>
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<tr>
<td>DAS000-98-C-0001</td>
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<tr>
<td>11. DATED (SEE ITEM 11)</td>
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<td>23-Feb-2007</td>
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<td>12. AMENDMENT OF SOLICITATION NO.</td>
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<tr>
<td>13. THIS ITEM APPLIES ONLY TO AMENDMENTS OF CONTRACT/SOLICITATIONS</td>
<td>See Schedule</td>
<td></td>
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<tr>
<td>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Specify type of modification and authority)</td>
<td>H-19</td>
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<tr>
<td>Modifications Control Number</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(b)(6)</td>
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</tr>
<tr>
<td>Due to a Standard Procurement System defect, the data shown in Block 108 of the SF30 may be inaccurate. The date should be 30 January 1999. The purpose of this modification is to obligate additional funding in the amount of $3,500,000 to CLN 0017AA. All other terms and conditions remain unchanged.</td>
<td></td>
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</tr>
</tbody>
</table>

Except as provided herein, all terms and conditions of the contract referenced in Item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) | 001258 |
|                                               |                                                               |        |
| B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA | 16C. DATE SIGNED |
| ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ | ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ |        |
| (Signature of person authorized to sign)      | (Signature of Contracting Officer)                           |        |
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

SUBCLIN 0017AA:

KM: 2172040 SL 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M is increased by $3,500,000.00.

(End of Summary of Changes)
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Not a Contract Document
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amendment of Solicitation/Modification of Contract</td>
<td></td>
</tr>
<tr>
<td>1. Contract Code</td>
<td>V</td>
</tr>
<tr>
<td>2. Effective Date</td>
<td>20-May-2007</td>
</tr>
<tr>
<td>3. Amendment/Modification No.</td>
<td>PO0136</td>
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<tr>
<td>4. Solicitation/CRD No.</td>
<td></td>
</tr>
<tr>
<td>5. Project (Specify)</td>
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<tr>
<td>6. Issued To</td>
<td></td>
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<tr>
<td>7. Administered by</td>
<td></td>
</tr>
<tr>
<td>9. Amendment of Solicitation No.</td>
<td></td>
</tr>
<tr>
<td>10. Dated (See Item 13)</td>
<td></td>
</tr>
<tr>
<td>11. MOE of Contract Order No.</td>
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<tr>
<td>12. Dated (See Item 13)</td>
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<tr>
<td>13. Supplemental Amendment</td>
<td></td>
</tr>
<tr>
<td>14. Change Order Issued PTO</td>
<td>(Specify authority)</td>
</tr>
<tr>
<td>15. The above numbered contractor is disregarded or changed in fact</td>
<td></td>
</tr>
<tr>
<td>16. The above numbered contractor is disregarded in fact and in fact</td>
<td></td>
</tr>
<tr>
<td>17. The Supplemental Amendment is entered into pursuant to authority</td>
<td></td>
</tr>
<tr>
<td>18. Other (Specify type of modification and authority)</td>
<td></td>
</tr>
<tr>
<td>19. Description of Amendment/Modification</td>
<td>(Specify)</td>
</tr>
<tr>
<td>20. Identification of Amendment/Modification</td>
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</tr>
<tr>
<td>21. Description of Amendment/Modification (continued)</td>
<td></td>
</tr>
<tr>
<td>22. The purpose of this modification is to incorporate the data and</td>
<td></td>
</tr>
<tr>
<td>23. Update CDE. Date Data 2002 and 2007</td>
<td></td>
</tr>
<tr>
<td>24. All other terms and conditions remain unchanged</td>
<td></td>
</tr>
<tr>
<td>25. Name and Address of Contractor</td>
<td></td>
</tr>
<tr>
<td>26. Date Bond</td>
<td>01-May-2007</td>
</tr>
<tr>
<td>27. Name and Address of Contractor (cont.)</td>
<td></td>
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<tr>
<td>28. Date Bond</td>
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<tr>
<td>29. Date Bond</td>
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<tr>
<td>30. Standard Form 26 (Rev. 10-63)</td>
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<tr>
<td>31. Standard Form 26 (Rev. 10-63)</td>
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</tr>
</tbody>
</table>

**Note:** The text contains redacted portions and some handwritten entries.
SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

<table>
<thead>
<tr>
<th>CLIN 0017: JLENS System Development and Demonstration (SDD) Program Statement of Work (Revised by Incorporating CSDR Plans dated 20 Febr 2007 in Appendix C per Modification P00136)</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30 Nov 06 -</td>
<td>37</td>
</tr>
<tr>
<td></td>
<td>(Revised 20 Febr 07)</td>
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</tr>
<tr>
<td>Contract Data Requirements List (DD Form 1423) Exhibit A with Distribution List &amp; Data Item Nos. B001 through B062 (Replace Data Item Nos. B026 and B027, only Per Modification P00136)</td>
<td>01 Dec 06</td>
<td>63</td>
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<tr>
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</tbody>
</table>

(End of Summary of Changes)
SOW SW-JLENS-SDD-2006 – 30 November 2006

APPENDIX C
COST AND SOFTWARE DATA REPORTING PLAN

(30 Nov 2006 Appendix C originally left blank. Approved CSDR’s dated 20 February 2007 incorporated per Modification POO136. Also, see CDRL CLIN 0018, Data Items B026 and B027 dated 05 April 2007 updated to reflect the incorporation of Appendix C).

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001271
<table>
<thead>
<tr>
<th>WBS ELEMENT CODE</th>
<th>a. PROGRAM CONTRACT</th>
<th>b. WBS REPORTING ELEMENTS</th>
<th>c. CONTRACT (DUNS/CAGE)</th>
<th>d. CONTRACT NUMBER (if applicable)</th>
</tr>
</thead>
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</table>

**Public reporting burden for this collection of information is estimated to average 15 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.**

**Respondents should be aware that, even if a collection of information is not displayed a currently valid OMB control number, please do not return your form to the above address.**

**The Joint Land Attack Cruise Missile Defense Elevated Netted Sensors (JLENS) Program Office is under contract to a number of companies and organizations to provide support for the JLENS program.**

**The completion of this form is voluntary.**

**The information collected on this form is used for program management and reporting purposes.**

**Respondents may refuse to supply the requested information.**

**If you have any comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden of reporting, you may contact the Office of Management and Budget, Office of Information and Regulatory Affairs, Washington, DC 20503, or by email at OIRA-SERWatch@OFOEOMB.gov.**

**Please call 1-800-366-9668 for TTY assistance.**

**Please call 1-800-366-9668 for TTY assistance.**

**Please call 1-800-366-9668 for TTY assistance.**
### SPECIAL CONTRACTOR INSTRUCTIONS

The contractor is required to provide unit cost and hour data in the Progress Curve Report, DD Form 1921-1 (Part II). In section A (A1 through A3), in each column, report incurred cost and hour data (unit-by-unit) for each unit completed. Include all completed units whether designated as test, operational, or spare. Do not report on items such as spare parts or mock-ups, which represent only partially completed units. If needed, additional columns may be added sequentially (i.e., A3, A4, etc.). In column B, Work-in-Process (WIP), enter incurred cost and hour data for all units started but not yet completed during the reporting period. The sum of cost and hour data reported in section A and column B should match respective cost/hour data incurred to date on the Functional Cost-Hour Report (column E). In column C, enter estimates for recurring cost and hour data to complete the work-in-process, and to complete remaining units. The sum of cost and hour data reported in section A, column B, and column C should match respective cost/hour data estimated at completion on the Functional Cost-Hour Report (column F).
### 10032 SUBMISSION

<table>
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<th>YES FORM</th>
<th>YES EVENT</th>
<th>YES AS OF DATE</th>
<th>YES DUE DATE</th>
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**PROGRAM OVERVIEW AND CONTRACTING APPROACH**

1. Special Contractor instructions

---

PREVIOUS EDITIONS OBSOLETE

OST FORM 2154, OCT 2003

1171232187030

20071117_JENH_520 Contract Plan, Northrop Grumman, Revision: A-94-1C-S-TR-106/C202354

2 of 2
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Not a Contract Document
COST AND SOFTWARE DATA REPORTING PLAN

Public reporting burden for this collection of information is estimated to average 15 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service, Directorate for Information Operations and Reports (0990-0184). 2500 Jefferson Davis Highway, Suite 1215, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provisions of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS

1. PROGRAM
   Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS)

2. WEAPON SYSTEM TYPE
   Electronic/Automated Software

3. SUBMISSION TYPE
   Initial Submission

4. DATE AS OF REPORT DATE (MM/DD/YY)
   3/7/2006

5. CHANGE

6. POINT OF CONTACT (POC) INFORMATION
   A. NAME OF CONTACT (Indicate Name of Primary POC)
      JLENS Product Office
   B. TELEPHONE NUMBER
      ATTN:
   C. E-MAIL ADDRESS
      Program Executive Office - Missiles and Space, SFAE-MSLS-CMODS-JLN
   D. FAX NUMBER
      P.O. BOX 1500, Huntsville, Alabama 35802-3501

7. WEBSITE ELEMENT CODE
   WEBSITE ELEMENT
   REPORTING ELEMENT
   WEBSITE ELEMENT
   REPORTING ELEMENT

8. CONTRACTOR CONTRACT NUMBER
   CONTRACT

9. REPORTING FREQUENCY
   A. DOD 1521
   B. DOD 1521 (Part IV) C. DOD 1521 (Part II) D. DOD 2325
   REQUIRED REQUIRED REQUIRED REQUIRED

PREVIOUS EDITION IS OBSOLETE
PROGRAM OVERVIEW AND CONTRACTING APPROACH

The contractor is required to provide unit cost and hour in the Progress Curve Report, DD Form 1921 (Part I). In each section A (1 through An), report incurred cost and hour data unit-by-unit for each unit completed (include completed units, whether designated as test, operational, or spare. Do not report on spare parts or mock-ups, which represent only partially completed units). If needed, additional columns may be added (i.e., AS, A6, etc.) in column B. For incurred cost and hour data for all units started but not yet completed during the reporting period, enter the incurred cost and hour data in column B. For estimated cost and hour data to complete the work-in-process and remaining units, enter the estimates in column C. The sum of cost and hour data reported in section A, columns B, and column C should match respective cost and hour data estimated at completion on the Functional Cost-Hour Report, column E. (The sum of cost and hour data reported in section A, column B, and column C should match respective cost and hour data estimated at completion on the Functional Cost-Hour Report, column F).
Displays a 1423 for Viewing and Printing
## CONTRACT DATA REQUIREMENTS LIST (11 Data Items)

**Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1244, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Contracting Officer for the Contract/PR NO listed in Block E.**

### A. CLIN

<table>
<thead>
<tr>
<th>A. CLIN</th>
<th>B. Extent</th>
<th>C. Category</th>
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<tr>
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<td>A</td>
<td>O</td>
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</table>

### B. System Item

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<th>Systems Item</th>
<th>I. Contract/PR No</th>
<th>F. Contractor</th>
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<tbody>
<tr>
<td>JENS ADD</td>
<td>DAU50S-06-C-0001</td>
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### C. Type of Data Item

- SOW para 2.6.2
- BFAE-MIILS-CMDS-P6-CM-CA

### D. Authority

- Rev
- Contractor Reference

### E. Revising Office

- DHFNL-61588A
- BFAE-MIILS-CMDS-P6-CM-CA

### F. Distribution

- Draft
- Final

### G. Copies

- SF
- NA

### H. Addresses

<table>
<thead>
<tr>
<th>Address 1</th>
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### I. Remarks

- Bit 2: The Government will provide approval/disapproval thirty days after receipt. The contractor shall resubmit corrected versions thirty days after receipt of Government comments. Bit 6: Distribution F: Further dissemination only as directed by the Cruise Missile Defense Systems Project Office, BFAE-MILS-CMDS-P6-CM-CA.
- Redstone Arsenal, AL 35898-5000, 24 March 2000.

- Block 10, 12 & 13 - Initial and follow up submissions shall be in accordance with CDR Plan, Document (A-04+1C1(R1)), A-04+1C1-81(R1), and A-04+1C1-82(R1) dated February 20, 2007, included as appendix C.

- Submit reports IAW CAG/CID/ACD Approved Contract and Defense Data Reporting (CDR) Plan provisions and the CDR Manual (DD 5005-468-1) for guidance only. The CDR manual is available from the DCACMC web site: http://data.proc.cr.dnl/ The responsible DOD office for receiving and storing all CDR related formats in: Defense Cost and Resource Center (DCARCC) 1111 Jefferson Davis Highway PO Box 205 Arlington, VA 22202

- Prepare CDR in electronic format in accordance with the detailed instructions contained in Data item Description DH-FNCL-61588A. Prime contractors are responsible for following CDR requirements contained in their prime contracts, or all subcontracts that meet the reporting thresholds. This includes required subcontractors to electronically report directly to the DCAEC.

- Bit 14: Electronic delivery of this data item IAW the SOW. Notify JENS Product Office Data Management CPR at marinjohns@mail.army.mil via email or repository. Submit electronically to ORD at CDRSP@ORD.army.mil. Letter of transmittal must be signed electronically. The data item shall be delivered in one or more of the following documents:

<table>
<thead>
<tr>
<th>Item</th>
<th>TX No</th>
<th>Reg</th>
<th>Repro</th>
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<tbody>
<tr>
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<th>Y. Date</th>
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### K. At Total Price

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<th>Page No. 27 Of Page No. 63</th>
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<td>001285</td>
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

RAYTHEON COMPANY
3750 LOWELL STREET
ANDOVER MA 01810

ACCOUNTING AND APPROPRIATION DATA (If required)

Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Modification Control Number: (b)(6)

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this modification is to obligate additional funding in the amount of $500,000 to CLIN 0017AA.

All other terms and conditions remain unchanged.

NAME AND TITLE OF SIGNER (Type or print)

NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

STANDARD FORM 30 (Rev 10-83)
Prescribed by GSA
FAR 48 (FR) 7-741
SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

SUBCLIN 0017AA:

KN: 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4MJ730000/74MJLE/4M is increased by $500,000.

(End of Summary of Changes)
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Not a Contract Document
**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>1. CONTRACTED CODE</th>
<th>2. NAME AND ADDRESS OF CONTRACTOR (Loc, Street, City, State and Zip Code)</th>
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</thead>
<tbody>
<tr>
<td>V</td>
<td>(Name of contractor)</td>
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<tr>
<td></td>
<td>(Address of contractor)</td>
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</table>

**Facility Code**

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<tr>
<th>3. CODE</th>
<th>4. DUTY</th>
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**Total Addendum Number**

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**Amendment Date**

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<th>6. AMENDMENT DATE</th>
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<tr>
<td>16-Aug-2007</td>
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</table>

**Section 130(b)**

**(b)(6)**

The purpose of this modification is to define CLOSURE [______] and to designate funds not used for this effort. Except as amended above, all other terms and conditions of the original contract remain unchanged.

**Amended Contract Closeout**

<table>
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<tr>
<th>15A. NO.</th>
<th>15B. DATE SIGNED</th>
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<tr>
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**Amendment No.**

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<th>16A. NO.</th>
<th>16B. DATE SIGNED</th>
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</table>

**STANDARD FORM 20 (Rev. 10-05)**
SECTION 8 - BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by $1,662.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0829AA

The estimated contract has decreased by
The total cost of this line item has decreased

SECTION C - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Paying Office

SUBCLIN 0829AA:

KQ:

AA77600512207777701635655600082665577547162456718791881718567958772185608562062194551844067408
F1AFW7805060 (CIN 000000000000000000000000000000000) was increased by $26,662.00 from $0.00 to $26,662.00

The contract ACIN KQ has been added.
The CIN 000000000000000000000000000000000 has been added.

(End of Summary of Changes)
The Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) Product Office (PO) provides support to the exercises using the JLENS All-Software PTIR/SuR Emulation in simulation model and allows for a parametric characterization of the air picture for use in the Operator-in-the-Loop (OITL) environment. The support will provide simulation hardware and software, along with meeting, integration, and operational support.

The following defines the requirements for the contractor support to the missile defense, including integrated fire control (IFC), single integrated air picture (SIAP) and

The contractor shall provide and maintain the simulation hardware (workstations) and simulation software during the one-week exercises, along with providing a single operator. The contractor shall provide input of scenario specifics, and operation of the models and simulations during exercises and tests. The contractor shall ensure all activities are controlled, scheduled, monitored, reported, and managed consistent with and supportive of the requirements set forth in this letter.

**Travel required:**

Feb/Mar 07 exercise – 1 trip, 1 week, 1 person

The Contractor shall maintain JLENS hardware and software currently installed at the in support of this exercise during the one week exercise period. The Contractor shall prepare a trip report in contractor format for the exercise, describing JLENS participation and any issues encountered. Submission the trip report shall constitute formal completion of Raytheon’s requirement for this effort.
### CONTRACT DATA REQUIREMENTS LIST

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<thead>
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<th>Block 8:</th>
<th>A. CONTRACT ITEM NO.</th>
<th>B. CONTRACT PM NO.</th>
<th>C. CONTRACTOR</th>
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<tr>
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<td>Raytheon</td>
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#### DEMO AND TEST REPORTS

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#### DISTRIBUTION

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#### REMARKS:

Block 8: The Government will provide approval/disapproval 15 days after receipt. The contractor shall resubmit corrected version 15 days after receipt of Government comments.

Blocks 10/12/13: Submission required NLT 30 days after completion of test.

Block 9: Distribution Statement F: Further dissemination only as directed by the Cruise Missile Defense System Project Office, SFAE-MSLS-CMDS-PE-CM, Redstone Arsenal, AL 35898-5000 (G4-Mar-89)

Block 14: Notification/Distribution to: JLENS PO Data Management Office at [redacted] when deliverable is placed in portal or repository. Letter of transmittal must be signed electronically.

On-line access is preferred if available.

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**DD Form 1423-1, 1 Jan 95**

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**001298**
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<td>Qualitative &amp; Quantitative Analysis</td>
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<td>CDRLs</td>
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<td>DD 254 (Award Document)</td>
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<td>Fair Market Value</td>
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<td>Audit Reports/Waiver</td>
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<td>IGE</td>
<td>38</td>
<td>Price/Cost Analysis</td>
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<td>Source List</td>
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<td>Field Pricing Support/Waiver</td>
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<td>ADP, CS, &amp; Commercial Activities Review</td>
<td>40</td>
<td>Subcontracting Plan</td>
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<td>Procurement Work Directive (81)</td>
<td>41</td>
<td>SSA Competitive Determination</td>
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<td>Multinational Participation Determination</td>
<td>42</td>
<td>Notice of Competitive Range</td>
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<td>Acquisition Plan ($30M + OR $15M + in any one FY)</td>
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<td>Clarifications/Discussions</td>
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<td>Concurrency Sheet/Miscellaneous</td>
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<td>PNM/POM</td>
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<td>PET/SSA/SSEB/SSAC Appointments</td>
<td>45</td>
<td>OPSEC Review</td>
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<td>Source Selection Evaluation Plan (SSEP)</td>
<td>46</td>
<td>Final Proposal Revision Reviews/Probably Cost Analysis</td>
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<td>Award Fee Determination (AFD) Plan</td>
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<td>SSA Award Determination</td>
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<td>CBD Announcement</td>
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<td>Unsuccessful Proposal Notifications</td>
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<td>Organizational Conflict of Interest (OCI)</td>
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<td>CBD Award Synopsis</td>
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<td>Record of Protest</td>
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<td>Options</td>
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<td>Performance in Foreign Country</td>
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<td>25</td>
<td>Solicitation Document</td>
<td>58</td>
<td>Determination Retaining Contract Admin</td>
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<td>Compliance/Legal Review</td>
<td>59</td>
<td>COR Letter/Qualifications</td>
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<td>Questions/Amendments to Solicitation</td>
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<td>Approval of Overtime Premium</td>
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<td>Record of Late Proposals/Bids</td>
<td>61</td>
<td>Contract Award Document</td>
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<td>Financial &amp; Nondisclosure Statements</td>
<td>62</td>
<td>Administrative Documents</td>
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<td>Proposals/Offers</td>
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<td>Persons with access to Source Selection Information Identified</td>
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<td>EEO Clearance ($10M +)</td>
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<td>33</td>
<td>Technical Evaluation</td>
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CONTRACT NUMBER: 001299
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SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by $3,443,334.00 from $1,451,326,332.00 to $1,451,326,332.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AA

The target cost has increased by...

The target price has increased...

The total cost of this item is...

$1,429,842,646.00.

SUBCLIN 0017AD is added as follows:

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<th>AMOUNT</th>
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<td>0017AD</td>
<td>FY 08 MBCT &amp; Tactical Display S/W Upgrade</td>
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CPIF

1 Year Tactical Display Software Upgrade, Product No. 04032102 (Qty of 2) AND 1 Year Tactical Display Software Upgrade, Product No. 04032101 (Qty of 2) for FY08 for CLIN 0017AA. MBCT & Tactical Display Software Licenses purchased in August, 2007.

FOR: Department

<table>
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<th>TARGET COST</th>
<th>TARGET FEE</th>
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TARGET COST + FEE

MINIMUM FEE $20.00

MAXIMUM FEE $28.00

SHARE RATIO ABOVE TARGET

SHARE RATIO BELOW TARGET

SUBCLIN 0017AE is added as follows.
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<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0017AB</td>
<td>FY09 MSCT &amp; Tactical Display SW Upgrade</td>
<td>LOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPTION</td>
<td>CPNF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 Year Software Upgrade, Product No. 0402003 (Qty 2) AND 1 Year Tactical Display Software Upgrade, Product No. 0402001 (Qty 2) for FY 09 for CLIN 0017AA MSCT &amp; Tactical SW purchased in Aug, 2007.</td>
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</tr>
</tbody>
</table>

**TARGET COST**

**TARGET FSE**

**TOTAL TGT COST + FSE**

**MINIMUM FSE**

**MAXIMUM FSE**

**SHARE RATIO ABOVE TARGET**

**SHARE RATIO BELOW TARGET**

SUBCLIN 0017AF is added as follows:

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0017AF</td>
<td>FY10 MSCT &amp; Tactical SW Upgrade</td>
<td>LOT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPTION</td>
<td>CPNF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 Year Software Upgrade, Product No. 0402002 (Qty 2) AND 1 Year Tactical Display Software Upgrade, Product No. 0402001 (Qty 2) for FY10 for CLIN 0017AA MSCT &amp; Tactical SW License purchased in August, 2007.</td>
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</tr>
</tbody>
</table>

**TARGET COST**

**TARGET FSE**

**TOTAL TGT COST + FSE**

**MINIMUM FSE**

**MAXIMUM FSE**

**SHARE RATIO ABOVE TARGET**

**SHARE RATIO BELOW TARGET**

SUBCLIN 0017AG is added as follows:

**TARGET COST**

**TARGET FSE**

**TOTAL TGT COST + FSE**

**MINIMUM FSE**

**MAXIMUM FSE**

**SHARE RATIO ABOVE TARGET**

**SHARE RATIO BELOW TARGET**

001307
### SECTION G - CONTRACT ADMINISTRATION DATA

**a.** G-5, Accounting and Appropriation

Summary for the Payment Office:

As a result of this modification, the total funded amount for this document was increased by $1,089,344.00 from $4,537,829,903.92 to $4,538,919,249.52.

**SUBCLIN 0017AA:**

- EXP: 21 7 2849 SL. 51.68 401718056.00 401718056.00 401718056.00
  - Increased by $183,183.00 from $352,953,690.00 to $355,136,873.00

- EQ: AA 9770409 1232 127 5 1 605051 600006 50486 51265 69710 F67100 F58073 FSR: 58073 FSR: 719264 DSB: 191356 was increased by $60,151.00 from $0.00 to $60,151.00.
  - The contract ACEN EQ has been added.

**c.** G-6: IMPELEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO THE OBLIGATIONS, paragraph c is changed to read as follows:

**SUBCLIN 0017AA:**

<table>
<thead>
<tr>
<th>PRIOR</th>
<th>MOD</th>
<th>MOD</th>
<th>MOD</th>
<th>MOD</th>
<th>CUMULATIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>F00132</td>
<td>F00133</td>
<td>F00137</td>
<td>F00139</td>
<td>TOTAL</td>
<td></td>
</tr>
</tbody>
</table>

- **(b)(4)**

---

001308
(5) Amount Separately Obligated for Payment of Fees:

(6) Total Amount Affected and Obligated: $278,026,000 ($269,569,000) $254,500,000 13,099,707 $204,925,394

(7) Amount Required for Full Funding: $261,727,720 ($31,341,000) $234,423,000 ($1,032,310) $1,043,723,978

(8) Estimated Period of Performance for Affected Amount Will Cease: 30 SEP 2007

These figures take into consideration the negotiated total value of END CLNI DETAA.

SECTION H – BINARY CONTRACT REQUIREMENTS is changed as follows:

Paragraph 3-30, BINARY CONTRACT REQUIREMENTS of the Contract:

(1) Paragraph a. is changed as follows:

a. Except to the LIMITATION OF FEES clause, the sum of $234,925,394 is presently affected as
END CLNI DETAA and available for payment to cover the work to be performed thereunder.

(End of Summary of Changes)
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**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

**1. CONTRACT/ORDER NO.**

J140

**2. EFFECTIVE DATE**

30-Aug-2007

**3. REQUISITION/PURCHASE REQ. NO.**

4. PROJECT NO. (If applicable)

5. AMENDMENT/MODIFICATION NO.

6. MOD. OF CONTRACT/ORDER NO.

06.SG60-98-C0001

---

**8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)**

Raytheon Company

380 Lowell St.

Andover MA 01810-4000

**9A. AMENDMENT OF SOLICITATION NO.**

9B. DATED (SEE ITEM 11)

10A. MOD. OF CONTRACT/ORDER NO.

QASG60-98-C0001

10B. DATED (SEE ITEM 13)

30-Jan-1998

---

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended. ☐ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

(a) By completing Item 8 and 15, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is returned prior to the opening hour and date specified.

---

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT OR ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

☐ D. OTHER (Specify type of modification and authority)

FAR 43.103(b) and Limitation of Funds

---

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

Modification Control Number: [b](6)

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification PO0140 is to (1) correct information under Section G from Mod PO0139 and (2) to Increase an amount of $339,852. Except as referenced above, all other terms and conditions of the original contract remain unchanged.

---

**15A. NAME AND TITLE OF SIGNER (Type or print)**

[BLANK]

**15C. DATE SIGNED**

30-Aug-2007

**15C. DATE SIGNED**

---

**EXCEPTION TO SF 30**

APPROVED BY ORM 11-84

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

G-5, Accounting and Appropriation

Summary for the Payment Office

CORRECTION from Mod P00139:

As a result of this modification (P00139), the total funded amount for this document was increased by $1,049,334.00 from $452,839,905.52 to $453,889,239.52.

As a result of this modification (P00140), the total funded amount for this document was increased by $339,852.00 from $453,889,239.52 to $454,229,091.52.

SUBCLIN 0017AA:

BW: 216 2040 5L 5L68 P172419E55 255Y 4M6J730000 S01021 4M6J730000/64MJLE/4MJLEN was increased by $189,852.00 from $80,440,000.00 to $80,629,852.00

CORRECTION from Mod P00139:

KN: 217 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M6J730000/74MJLE/4M was increased by $1,483,183.00 from $192,793,000.00 to $194,276,183.00 (This takes into account P00137 $500,000 increase) (P00139)

KN: 217 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M6J730000/74MJLE/4M was increased by $150,000.00 from $194,276,183.00 to $194,426,183.00 (P00140)
c. G-6. IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS, paragraph c. is changed to read as follows:

<table>
<thead>
<tr>
<th>SUBCLIN 0017AA:</th>
<th>PRIOR MOD P00139</th>
<th>This MOD P00140</th>
<th>CUMULATIVE TOTAL*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Amount Required for Full Funding, Including Fee(s):</td>
<td>$1,144,720,978</td>
<td>($339,852)</td>
<td>$1,144,381,126</td>
</tr>
<tr>
<td>(2) Amount Allotted Under the LOF Clause for Payment of Costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Amount Separately Obligated for Payment of Fee:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Total Amount Allotted and Obligated:</td>
<td>$ 284,075,334</td>
<td>$339,852</td>
<td>$284,415,186</td>
</tr>
<tr>
<td>(5) Net Amount Required for Full Funding:</td>
<td>$1,144,720,978</td>
<td>($339,852)</td>
<td>$1,144,381,126</td>
</tr>
<tr>
<td>(6) Estimated Period of Performance the Allotted Amount Will Cover: 30 SEP 2007</td>
<td></td>
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</tr>
</tbody>
</table>

*These figures take into consideration the negotiated total value SubCLIN 0017AA

SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

Paragraph H-10. INCREMENTAL FUNDING OF THE CONTRACT:

(1) Paragraph c., is changed as follows:

c. Pursuant to the LIMITATION OF FUNDS clause, the sum of $284,415,186 is presently allotted to CLIN 0017AA and available for payment to cover the work to be performed hereunder.

(End of Summary of Changes)
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**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>AMENDMENT/MODIFICATION NO.</td>
</tr>
<tr>
<td>2.</td>
<td>EFFECTIVE DATE</td>
</tr>
<tr>
<td>3.</td>
<td>REQUISITION/PURCHASE REQ NO.</td>
</tr>
<tr>
<td>4.</td>
<td>PROJECT NO. (if applicable)</td>
</tr>
<tr>
<td>5.</td>
<td>ISSUED BY</td>
</tr>
<tr>
<td>6.</td>
<td>ADMINISTERED BY (if other than item 5)</td>
</tr>
<tr>
<td>7.</td>
<td>CODE</td>
</tr>
<tr>
<td>8.</td>
<td>NAME AND ADDRESS OF CONTRACTOR</td>
</tr>
<tr>
<td>9.</td>
<td>AMENDMENT OF SOLICITATION NO.</td>
</tr>
<tr>
<td>10.</td>
<td>DATED (SEE ITEM 11)</td>
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<tr>
<td>11.</td>
<td>MOD. OF CONTRACT/ORDER NO.</td>
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<tr>
<td>12.</td>
<td>DATED (SEE ITEM 13)</td>
</tr>
<tr>
<td>13.</td>
<td>DATE SIGNED</td>
</tr>
</tbody>
</table>

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

- The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer is extended, is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
- By completing Items 11 and 15, and returning copies of the amendment;
- By acknowledging receipt of this amendment on each copy of the offer submitted;
- Or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE ENCLOSED WITH THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, in your discretion, you desire to change an offer already submitted, each change may be made by letter or telegram, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (if required)**

See Schedule

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 10A.**

**A. THIS CHANGE ORDER IS ISSUED PURSUANT TO:** (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

**B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).**

**C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:**

**D. OTHER (Specify type of modification and authority)**

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)**

- **Government POC:** [Redacted] (b)(6)
- Due to a Standard Procurement System defect, the date shown in 108 of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this modification is to correct previous modification errors.

Except as provided herein, all terms and conditions of the document referenced in Item 10A or 10B, as hereafter changed, remain unchanged and in full force and effect.

**15A. NAME AND TITLE OF SIGNER (Type or print)**

- [Redacted] (b)(6)

**15C. DATE SIGNED**


**16C. DATE SIGNED**


**EXCEPTION TO SF 30**

- [Redacted] 001321

**STANDARD FORM 10 Rev 10-0**
SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Explanation of Summary of Changes:

1. Mod P00134 - this modification decreases ACRN KN in the amount of $28,342 due to incorrect ACRN used.

2. Mod P00137 - in modification P00137 ACRN KM dollars were converted to ACRN KN. This modification decreased value of contract by $500,000 due to this being an incremental funding action only.

3. Mod P00138 - this modification deleted KN from the KQ KN funding ACRN.

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was decreased by $500,000.00 from $1,673,192,369.00 to $1,672,692,369.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AA

The target cost has decreased by $28,342.00

The target profit/fee has decreased by $28,342.00

The total cost of this line item has decreased by $28,342.00 from $1,430,345,646.00 to $1,429,845,646.00.

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was decreased by $28,342.00 from $454,256,761.52 to $454,228,419.52.

SUBCLIN 0017AA:

The contract ACRN KP was changed to KM.

The Cost Code has been added.

KN: 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was decreased by $28,342.00 from $193,927,193.00 to $193,898,851.00

(End of Summary of Changes)
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION NO. 00142
2. EFFECTIVE DATE 16-Oct-2007
3. REQUISITION/PURCHASE REQ. NO.
4. REQUEST MODIFICATION NO.
5. PROJECT NO. (If applicable)

6. ISSUED BY
   US ARMAMENT & MISSILE DEFENSE COMMAND
   HUNTERSVILLE AL 38037-3511
7. ADMINISTERED BY
   DCMA RAYTHEON
   30 APPLE WIL DRIVE
   MST29C
   TERRYSVYRE MA 01876

8. NAME AND ADDRESS OF CONTRACTOR
   RAYTHEON COMPANY
   350 LOWELL ST
   ANCHOR MA 01810-4400

9. AMENDMENT OF SOLICITATION NO.
10. DATED (SEE ITEM 11)
11. MOD. OF CONTRACT/ORDER NO. DASG60-96-C-2001
12. DATED (SEE ITEM 13)
13. 30-Jan-1998

CODE: 05716

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer shall be extended, ☐ not extended

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) by completing item 1 and 15, and returning signed copies of this amendment; (b) by acknowledging receipt of this amendment on copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN THE REJECTION OF YOUR OFFER. If your offer is modified by this amendment you desire to change your offer already submitted, each change may be made by letter or telegram, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(11).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

☐ OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return signed copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION

Organized by UCF section headings, including solicitation/contract subject matter where feasible.

Modification Control Number: 6COFA

Due to a Standard Procurement System Issue, the data shown in Block 108 of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification is to incrementally fund CLIN 0017AA in the amount of $34M and to exercise CLIN 0017AD in the amount of $125,000.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

15. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

16C. DATE SIGNED 30-Oct-2007

17. CONTRACTOR/OFFEROR

18. UNITED STATES OF AMERICA


EXCEPTION TO SF 30

1131798

001324
SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by $173,798.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AD
The option status has changed from Option to Option Exercised.

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $34,173,798.00 from $454,228,419.52 to $488,402,217.52.

SUBCLIN 0017AA:

KS: 2182040 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710800/84MJLE/4M5 was increased by $34,000,000.00 from $0.00 to $34,000,000.00
The contract ACRN KS has been added.

SUBCLIN 0017AD:

KS: 2182040 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710800/84MJLE/4M5 (CIN 0000000000000000000000000000000000000000000) was increased by $173,798.00 from $0.00 to $173,798.00
The contract ACRN KS has been added.
The CIN 000000000000000000000000000000000000000000 has been added.

(End of Summary of Changes)
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<table>
<thead>
<tr>
<th>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</th>
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<tbody>
<tr>
<td>2. AMENDMENT/MODIFICATION NO.</td>
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<tr>
<td>3. EFFECTIVE DATE</td>
</tr>
<tr>
<td>4. REQUEST/PURCHASE REQ. NO.</td>
</tr>
<tr>
<td>5. PROJECT NO.(If applicable)</td>
</tr>
<tr>
<td>6. ISSUED BY</td>
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<td></td>
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<tr>
<td>8. NAME AND ADDRESS OF CONTRACTOR</td>
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</tr>
<tr>
<td>9A. AMENDMENT OF SOLICITATION NO.</td>
</tr>
<tr>
<td>9B. DATED (SEE ITEM 11)</td>
</tr>
<tr>
<td>9C. MOD. OF CONTRACT/ORDER NO.</td>
</tr>
<tr>
<td>10A. DATED (SEE ITEM 13)</td>
</tr>
<tr>
<td>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATION</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>12. ACCOUNTING AND APPROPRIATION DATA (If required)</td>
</tr>
<tr>
<td>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTORDERS IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 14.</td>
</tr>
<tr>
<td>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 19A.</td>
</tr>
<tr>
<td>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payment, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).</td>
</tr>
<tr>
<td>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitations/contract subject matter where feasible)</td>
</tr>
<tr>
<td>Modifications Control Number:</td>
</tr>
<tr>
<td>Due to a Standard Procurement System defect, the date shown in 10B of the SP30 may be inaccurate. The date should be 30 January 1998.</td>
</tr>
<tr>
<td>The purpose of this Modification is to incorporate contract changes agreed to by Raytheon and the Government.</td>
</tr>
<tr>
<td>15A. NAME AND TITLE OF CONTRACTING OFFICER (Sign and print)</td>
</tr>
<tr>
<td>15B. DATE SIGNED</td>
</tr>
<tr>
<td>15C. DATE SIGNED</td>
</tr>
<tr>
<td>15D. DATE SIGNED</td>
</tr>
</tbody>
</table>

Except as provided herein, all terms and conditions of the document referenced in Item 6A or 10A, as heretofore changed, remain unchanged and are still here and effect.

50-105-04

STANDARD FORM 30 (Rev. 10-83)

Prepared by GSA

FAR (48 CFR) 3.243

001328
SECTION F - DELIVERIES OR PERFORMANCE:

b. Paragraph F-5, MILESTONE EVENTS AND PERFORMANCE PERIOD:

It is hereby acknowledged that Raytheon completed the Orbit SFR Readiness Review Milestone on 12-14 Dec 2006.

It is hereby acknowledged Raytheon has completed the Orbit SFR Milestone on 12 Feb 2007.

SECTION H - SPECIAL CONTRACT REQUIREMENTS

H-1 TECHNICAL COGNIZANCE AND TECHNICAL DIRECTION:

a. 

H-14 KEY PERSONNEL

Paragraph H-14, KEY PERSONNEL, paragraph b, is hereby changed to read as follows:

Key Personnel List:

<table>
<thead>
<tr>
<th>NAME</th>
<th>POSITION</th>
</tr>
</thead>
</table>

H-19 INCENTIVE FEE STRUCTURE AND PAYMENT FOR CLIN 0017. SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD)

a. General.
SubCLIN 0017AA, System Development and Demonstration (SDD), is a cost-plus-incentive-fee (CPIF) Line Item with cost and schedule incentives as described below. Paragraph H-19(b) applies only to the Cost Incentive and Paragraph H-18(c) applies only to the Schedule Incentive. The contract price amount of $1,428,796,312 includes a target cost (less facilities capital cost of money) and a target incentive fee of $0.

b. Cost Incentive.

1. The target fee payable under SubCLIN 0017AA is the target cost less facilities capital cost of money.

2. The maximum fee payable under SubCLIN 0017AA is the target cost less facilities capital cost of money.

3. The minimum fee payable under SubCLIN 0017AA is the target cost less facilities capital cost of money.

4. Fee will be adjusted for actual cost that is less than or more than the target cost stated above using a share ratio of Government/contractor for actual costs less than the target cost, and a ratio of Government/contractor for actual costs greater than the target cost range applied according to Paragraph H-19(c)(1).

5. Nothing stated in this clause shall take precedence over the clause 52.216-10 - Incentive Fee contained in this contract.

c. Schedule Incentive.

1. A maximum “flat zone” will be established at the target value with the conduct of milestones below. The “flat zone” over which the contractor will earn target fee is for eligible costs from the program milestones set forth below are conducted.

   a. The maximum benefit of the “flat zone”, earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007.

   (b) The maximum benefit of the “flat zone”, earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009.

   (c) The maximum benefit of the “flat zone”, earned by the conduct of SDD System Functional Review NLT 31 December 2010.

   (d) The maximum benefit of the “flat zone”, earned by the conduct of SDD System Functional Review NLT 30 November 2010.

   (e) The maximum benefit of the “flat zone”, earned by the conduct of SDD System Functional Review NLT 31 October 2010.
(d) If the schedule fee pool, an amount of [blacked out] awarded to the contractor if the contractor conducts the Test Readiness Review for the Limited User Test on or after 01 September 2010.

(e) If the contractor conducts the Test Readiness Review for the Limited User Test on or after 01 January 2011, the contractor is not entitled to any of the schedule fee incentive pool.

(f) If the contractor achieves an early milestone as listed in (a) through (d), the contractor shall submit a letter to the government Contracting Officer notifying him/her of the completion of the milestone and the claim for the incentive fee.

(3) For Earned Value and cost reporting purposes, the target cost value of [blacked out] will be used.

(4) If schedule incentive fee listed above is earned, the additional contract value will be added to the total value of this contract at the time the incentive is earned.

d. Changes issued under FAR 52.243-2, Changes - Cost Reimbursement

In the event of a change issued under FAR 52.243-2, Changes - Cost Reimbursement, it is agreed that changes to the performance and schedule incentive may be considered a part of the equitable adjustment. In the event that any Options to CLIN 0017 are added and exercised, the incentive fee for cost and schedule/performance applicable to the Option will be incorporated in accordance with the incentive fee structure of this provision.

SECTION I - CONTRACT CLAUSES

Federal Acquisition Regulation (FAR) 22.103-5 requires FAR 52.222-2, “Payment for Overtime Premiums” to be included in cost reimbursement contracts over $100,000 however, the Clause further states the Overtime Clause is not applicable if “A cost-plus-incentive fee contract will provide a swing from the target fee of at least plus or minus 3 percent and a contractor’s share of at least 10 percent is contemplated”. Therefore, FAR 22.103-5 negates the need for FAR 52.222-2 in Contract DASG60-98-C-0001. Therefore, FAR 52.222-2 is deleted from Contract DASG60-98-C-0001.

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

5. SECTION J - LIST OF ATTACHMENTS:

Section J is changed as shown below:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIN 0017:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Data Requirements List (DD Form 1423)</td>
<td>01 Dec 06</td>
<td>63</td>
</tr>
<tr>
<td>Exhibit A with Distribution List &amp; Data Item Nos. B001 through B062 (Replace Data Item Nos. B026 and B027, only Per Modification P00136)</td>
<td>Revised 05 Apr 07</td>
<td></td>
</tr>
<tr>
<td>(Replace Data Item Nos. B048 and B049, only Per Modification P00143 – previously sent to Contractor)</td>
<td>Revised 03 July 07</td>
<td></td>
</tr>
</tbody>
</table>
*Added statement below to address weekends/Holidays: 24 October 07

*Per a mutual agreement between Raytheon and JLENS Product Office all Contract Data Requirements List (CDRL's) (DD Form 1423) are due on the next business day after the required due date if the due date falls on Saturday, Sunday or a Government Holiday. In addition, for any CDRL with a requirement to resubmit within 10 days or less after receipt of comments, where Raytheon receives the comments on a Friday, the timeframe for resubmittal will begin on the next business day. Statement added in Mod 143 on 24 Oct. 2007.

GFE/GFP/GFS List for SDD
28 Nov 06 2
Replaced with Rev. B List
15 Oct 07 6
**Add items below
For record-keeping purposes

**Per the DCMA and Raytheon is authorized rent free use on a non-interference use of the equipment listed below for utilization on JLENS Fire Control Radar Prime Contract DASG60-98-C-0001 for the period from 19 April 2007 through 30 September 2011.

(End of Summary of Changes)
<table>
<thead>
<tr>
<th>A. CLIN</th>
<th>B. Exhibit</th>
<th>C. Category</th>
<th>D. System Item</th>
<th>E. Contract/PF No</th>
<th>F. Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>A</td>
<td></td>
<td>JLENS SDD</td>
<td>DAU00060-C-0001</td>
<td>Raytheon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. SEQNO</th>
<th>2. Title of Data Item</th>
<th>3. Subtitle</th>
</tr>
</thead>
<tbody>
<tr>
<td>048</td>
<td>Technical Report Study/Services</td>
<td>Software Resources Data Report Initial Developer Report</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DI-MISC-0008A</td>
<td></td>
<td></td>
<td>SFAE-MSLS-CMDS-CM-CA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LT</td>
<td>F</td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>15. Addresses</th>
<th>16. Copies</th>
<th>Final</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>17. Remarks</th>
<th>Final</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Bit 10, 12 & 13: Submit IAW Cost and Software Data Reporting (CSDR) Plan.

Bit 14: Electronic delivery of this data item IAW the SOW. Notify JLENS Product Office Data Management OPR at a address when deliverable is placed in portal or repository. Letter of transmittal must be sent electronically. The data item shall be delivered in one or more of the following: SDI format, PDF format, or submit electronically to OBD at a address.

Defense Cost and Resource Center (DCARC) 1111 Jefferson Davis Highway Box 903 Arlington VA 22202

Form 1423-1, Jun 90 (Computer Generated) Previous editions are obsolete


7/3/2007

001334
**CONTRACT DATA REQUIREMENTS LIST**

<table>
<thead>
<tr>
<th>A. Authority (DID)</th>
<th>Rev.</th>
<th>B. Contract Reference</th>
<th>C. Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH-MISC-0509A</td>
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<td>SFAE-MSLS-CMDS-PM-PM-CA</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D. System Item</th>
<th>E. Contract/PR No</th>
<th>F. Contractor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DA5000-98-C-0001</td>
<td>Raytheon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H. SEGNO</th>
<th>I. Title of Data Item</th>
<th>J. Subtitle</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>K. APP Code</th>
<th>L. Frequency</th>
<th>M. First Sub Date</th>
<th>N. Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>O. Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

- Blk 10, 12 & 13: Submit IAW Cost and Software Data Reporting (CSDR) Plan.
- The data contained in each report shall be cumulative through the end of the month of the event.
- Blk 14: Electronic delivery of this CDRL is required IAW the SOW. The data item shall be delivered in one or more of the Microsoft Office. The SRDR format is available from the DCARC web site. Submit electronically to OSD at.

Defense Cost and Resource Center (DCARC) 1111 Jefferson Davis Highway PO Box 006 Arlington VA 22202

**DD Form 1423-1, Jun 90 (Computer Generated) Previous editions are obsolete**

<table>
<thead>
<tr>
<th>C. Approx Date</th>
<th>I. Approved By</th>
<th>J. Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/03/07</td>
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<td></td>
</tr>
</tbody>
</table>

**Page No. 49 Of Page No. 63**


001335
(b)(3)(A)(i)&Title 10 Sec 130 (a)(b)

↑

(b)(3)(A)(i)&Title 10 Sec 130 (a)(b)

↓

(b)(3)(A)(i)&Title 10 Sec 130 (a)(b)

001336
<table>
<thead>
<tr>
<th>ID #</th>
<th>NOMENCLATURE</th>
<th>NEN/MODEL/MFG</th>
<th>QTY</th>
<th>EACH COST $</th>
<th>ACQ COST $</th>
<th>ROD</th>
<th>DELIVERY LOCATION</th>
</tr>
</thead>
</table>

(b)(3)(A)(i) & Title 10 Sec 130 (a)(b)
(b)(3)(A)(i)&Title 10
Sec 130 (a)(b)
**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>AMENDMENT/MODIFICATION NO.</th>
<th>00144</th>
</tr>
</thead>
<tbody>
<tr>
<td>CODE</td>
<td>W9113M</td>
</tr>
<tr>
<td>6 ISSUED BY</td>
<td>Raytheon Company</td>
</tr>
<tr>
<td></td>
<td>300 Lowell St</td>
</tr>
<tr>
<td></td>
<td>Andover MA 01810-4400</td>
</tr>
<tr>
<td>8 NAME AND ADDRESS OF CONTRACTOR</td>
<td>Raytheon Company</td>
</tr>
<tr>
<td></td>
<td>300 Lowell St</td>
</tr>
<tr>
<td></td>
<td>Andover MA 01810-4400</td>
</tr>
<tr>
<td>9A AMENDMENT OF SOLICITATION NO.</td>
<td>05716</td>
</tr>
<tr>
<td>9B DATED (SEE ITEM 11)</td>
<td></td>
</tr>
<tr>
<td>10A MOD. OF CONTRACT/ORDER NO.</td>
<td>DA-5000-98-C-0001</td>
</tr>
<tr>
<td>10B DATED (SEE ITEM 13)</td>
<td>30-Jan-1998</td>
</tr>
</tbody>
</table>

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

- The above numbered solicitation is amended as set forth in item 14. The hour and date specified by receipt of offer is extended, is not extended.

  - Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
    - By completing items 8 and 15, and returning copies of the amendment;
    - By acknowledging receipt of this amendment on each copy of the offer submitted;
    - By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If you receive this amendment and desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS**

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

**A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.**

**B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).**

**C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: X**

**D. OTHER (Specify type of modification and authority)**

**14. DESCRIPTION OF AMENDMENT/MODIFICATION**

Modified Control Number: [Redacted]

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification is to: (1) Correct an Acctg code listed on Mod R00142 per JUENS Program Office on CLIN 0017AA and CLIN 0017AD (REPLACED SUBCLIN 0017AD with SUBCLIN 0017AH) (See page 2 for explanation); (2) Correct amount stated on cover page of Mod R00142 CLIN 0017AD from $173,090 to $173,798 for Admin purposes (See page 2 for explanation) and (3) Incrementally fund CLIN 0017AA in the amount of $26,300,000.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 19A, as hereinafter changed, remain unchanged and in full force and effect.

**15A NAME AND TITLE OF SIGNER (Type or print)**

**16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)**

**15B NAME AND TITLE OF OFFER OR ORDER IS**

**16B UNITED STATES OF AMERICA**

**15C DATE SIGNED**

**16C DATE SIGNED**

30-105-04

08-Nov-2007

STANDARD FORM 30 (Rev. 10-8)

Prepared by GSA

FAR (48 CFR) 53.243
SUMMARY OF CHANGES

SECTION A – EXPLANATION OF CHANGES ON MOD P00144:

(1) Due to an error in the Acctg Code on the funding document for Mod P00142, SUBCLIN 0017AA funding line ACRN: KS was decreased by $34M and SUBCLIN 0017AD funding line ACRN: KS was decreased by $173,798. Per the new Acctg Code funding document: SUBCLIN ACRN: KT was increased by $34M and SUBCLIN 0017AD is replaced with a new SUBCLIN 0017AH due to the Procurement System, therefore, SUBCLIN 0017AH ACRN: KT was increased by $173,798.

(2) Corrected stated amount on cover page of Mod P00142 for SUBCLIN 0017AD from $173,050 to $173,798, however, since this mod decreased this line item to $0 for reasons described in (1) above, this is a mute point.

(3) Increased SUBCLIN 0017AA ACRN: KN by $300,000 and SUBCLIN 0017AA ACRN: KT by $26M per a new funding document to incrementally fund SUBCLIN 0017AA.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AD
The CLIN description has changed from FY 08 MSCT & Tactical Display S/W Upgrde to SEE SUBCLIN 0017AH.

The CLIN extended description has changed from 1 Year Software Upgrade, Product No. 0403002 (Qty of 2) AND 1 Year Tactical Display Software Upgrade, Product No. 0402001 (Qty of 2) for FY08 for CLIN 0017AA MSCT & Tactical Display Software Licenses purchased in August, 2007. to *** THIS SUBCLIN IS CANCELLED DUE TO ACCTG CODE ERROR AND REPLACED WITH SUBCLIN 0017AH.

The target cost has decreased by...

The target profit/fee has decreased...

The total cost of this line item has...

SUBCLIN 0017AH is added as follows:
ITEM NO 0017AH EXERCISED OPTION

<table>
<thead>
<tr>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY 08 MSCT &amp; Tactical Display S/W Upgrade</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPIF 1 Year Software Upgrade, Product No. 0403002 (Qty 2) AND 1 Year Tactical Display Software Upgrade, Product No. 0402001 (Qty 2) for FY08 for CLIN 0017AA &amp; Tactical Display Software Licenses purchased in August, 2007. THIS SUBCLIN REPLACES SUBCLIN 0017AD DUE TO ACCTG DATA ERROR. FOB: Destination</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TARGET COST: $173,798.00
TARGET FEE: $0.00
TOTAL TGT COST + FEE: $173,798.00
MINIMUM FEE: $0.00
MAXIMUM FEE: $0.00
SHARE RATIO ABOVE TARGET: $173,798.00
SHARE RATIO BELOW TARGET: $173,798.00

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $26,300,000.00 from $488,402,217.52 to $514,702,217.52.

SUBCLIN 0017AA:

KN: 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was increased by $300,000.00 from $193,898,851.00 to $194,198,851.00

KS: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84MJLE/4M5 was decreased by $34,000,000.00 from $34,000,000.00 to $0.00

KT: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84MJLE/4M5 was increased by $60,000,000.00 from $0.00 to $60,000,000.00

The contract ACRN KT has been added.
SUBCLIN 0017AD:

KS: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710800/84MJLE/4M5 (CIN 00000000000000000000000000000000) was decreased by $173,798.00 from $173,798.00 to $0.00

SUBCLIN 0017AH:
Funding on SUBCLIN 0017AH is initiated as follows:

ACRN: KT
CIN: 00000000000000000000000000000000
Acctng Data: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84MJLE/4M5
Increase: $173,798.00
Total: $173,798.00

(End of Summary of Changes)
Page Intentionally Left Blank

Not a Contract Document
Page Intentionally Left Blank

Not a Contract Document
The purpose of this Modification is to incrementally fund CLIN 0017AA in the amount of $36,000,000.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or Item 10A, as hereinafter changed, remain unchanged and in full force and effect.

NAME AND TITLE OF SIGNER (Type or print)

CONTRACTOR OFFEROR

DATE SIGNED

EXCEPTION TO SF 30

APPROVED BY ORM 11-84

STANDARD FORM 30 (Rev. 10-8)

Prepared by GSA

FAR (48 CFR) 53.243

001 352
As a result of this modification, the total funded amount for this document was increased by $36,000,000.00.

KT: 218.2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84M1LE/4M5 was increased by $36,000,000.00 from $60,000,000.00 to $96,000,000.00

(End of Summary of Changes)
Page Intentionally Left Blank

Not a Contract Document
**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

<table>
<thead>
<tr>
<th>AMENDMENT/MODIFICATION NO</th>
<th>EFFECTIVE DATE</th>
<th>REQUISITION/PURCHASE REQ NO</th>
<th>CONTRACTOR/OFFEROR</th>
</tr>
</thead>
<tbody>
<tr>
<td>00146</td>
<td>20-Dec-2007</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8. NAME AND ADDRESS OF CONTRACTOR (No., Street, City, State and Zip Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAYTHEON COMPANY 350 LOWELL ST. ANDOVER MA 01810-4400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9A. AMENDMENT OF SOLICITATION NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9B. DATED (SEE ITEM 11)</td>
</tr>
<tr>
<td>10A. MOD. OF CONTRACT/ORDER NO.</td>
</tr>
<tr>
<td>10B. DATED (SEE ITEM 13)</td>
</tr>
<tr>
<td>30-Jan-1998</td>
</tr>
</tbody>
</table>

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

- The above numbered solicitation is amended as set forth in lines 14. The hour and date specified for receipt of Offer are extended, or not extended.
- Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
  - By completing Items 1 and 15, and returning copies of the amendment;
  - By authorizing receipt of this amendment on each copy of the Offer submitted;
- Failure of your acknowledgment to be received at the place designated for the receipt of Offers prior to the hour and date specified may result in rejection of your Offer. If you wish to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

See Schedule

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS**

- This change order is issued pursuant to: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

- The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in Item 14, pursuant to the authority of FAR 43.103(b).

- This supplemental agreement is entered into pursuant to authority of:

**14. DESCRIPTION OF AMENDMENT/MODIFICATION**

- Modification Control Number:

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification 00146 is to incrementally fund CLIN 0017AA in the amount of $36,000,000.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

**15A. NAME AND TITLE OF SIGNER (Type or print)**

**16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)**

**15C. DATE SIGNED**

**16B. CONTRACTING OFFICER**

(Signature of person authorized to sign)

**EXCEPTION TO SF 30**

30-105-04

STANDARD FORM 30 (Rev. 10-8)

001356
As a result of this modification, the total funded amount for this document was increased by $36,000,000.00.

KT: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84MJLE/4M5 was increased by $36,000,000.00 from $96,000,000.00 to $132,000,000.00

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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1 AMENDMENT MODIFICATION NO. 0147

2 EFFECTIVE DATE 08-Jan-2008

3 REQUISITION PURCHASE REQ. NO

4 PROJECT NO. (If applicable)

5 CONTRACT ID CODE V

6 ISSUED BY CODE US ARMY SPACE & MISSILE DEFENSE COMMAND

7 ADMINISTERED BY (If other than item 6) CODE DCMA RAYTHEON

8 NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

9 NAME AND ADDRESS OF CONTRACTOR

10 FACILITY CODE

11 THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer is extended. ☐ is not extended.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation as amended by one of the following methods:

(a) By completing Item 5 and 13, and returning ______ copies of this amendment; (b) By acknowledgment of receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If your letter of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter preceded by separate letter or telegram which includes a reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12 ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13 THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

☐ D. OTHER (Specify type of modification and authority)

☐ IMPORTANT: Contractor ☐ is, ☐ is not required to sign this document and return ______ copies to the issuing office.

14 DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Modification Control Number: [Redacted]

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification P00147 is to incrementally fund CLIN 0017AA in the amount of $152,075,000.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, at hereafter changed, remain unchanged and in full force and effect.

15A NAME AND TITLE OF SIGNER (Type or print)

16A NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15C DATE SIGNED 16B UNITED STATES OF AMERICA

16C DATE SIGNED 08-Jan-2008

(Signature of person authorized to sign) (Signature of Contracting Officer)

EXCEPTION TO SF 30 APPROVED BY OIRM 11-84

STANDARD FORM 30 (Rev 10-83) 31-105-04

Prepared by GSA

FAR (48 CFR) 53 243

001364
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $152,075,000.00.

SUBCLIN 0017AA:

K:\ 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4MJ730000/74MJLE/4M was increased by $75,000.00 from $194,198,851.00 to $194,273,851.00

K:\ 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4MJ8710600/84MJLE/4M5 was increased by $152,000,000.00 from $132,000,000.00 to $284,000,000.00

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<th>Target Cost</th>
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<tbody>
<tr>
<td>152,000,000.00</td>
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(End of Summary of Changes)
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Not a Contract Document
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

US ARMY SPACE & MISSILE DEFENSE COMMAND
PO BOX 1500
HUNTSVILLE, AL 35807-5001

NAME AND ADDRESS OF CONTRACTOR
RAYTHEON COMPANY
50 LOWELL ST
ANDOVER MA 01810-4400

CODE 06716

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

9. AMENDMENT OF SOLICITATION NO.

10A. MOD. OF CONTRACT ORDER NO.

10B. DATED (SEE ITEM 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.104(B).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

The Changes Clause

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign the document and return copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Modification Control Number: ☐

Due to a Standard Procurement System defect, the date shown in Block 12B of the SF30 may be inaccurate. This date should be 30 January 1988.

The purpose of this modification P00148 is to revise Section J to incorporate the revised GFE list for Spiral 1 and provide the DD1149 for transfer of Spiral 1 Equipment to Gov't Contract DASG60-00-C-0091.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

15A. NAME (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

EXCEPTION TO SF 30
APPROVED BY ORM 11-84

STANDARD FORM 30 (Rev. 10-83)

Prescribed by CBA

FAR (48 CFR) 53.243

001372

30-05-04
SUMMARY OF CHANGES

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

5. SECTION J – LIST OF ATTACHMENTS:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLIN 0017: JLENS System Development and Demonstration (SDD) Program Statement of Work (Revised by Incorporating CSDR Plans dated 20 Feb 2007 in Appendix C per Modification P00136)</td>
<td>30 Nov 06 - Revised 20 Feb 07</td>
<td>37</td>
</tr>
<tr>
<td>Contract Data Requirements List (DD Form 1423)</td>
<td>01 Dec 06</td>
<td>63</td>
</tr>
<tr>
<td>Exhibit A with Distribution List &amp; Data Item Nos. B001 through B062 (Replace Data Item Nos. B026 and B027, only Per Modification P00136)</td>
<td>Revised 05 Apr 07</td>
<td></td>
</tr>
<tr>
<td>(Replace Data Item Nos. B048 and B049, only Per Modification P00143 &amp; to add statement in Section A of Modification P00143)</td>
<td>Revised 24 Oct 07</td>
<td></td>
</tr>
<tr>
<td>*Added statement below to address weekends/Holidays:</td>
<td>24 October 07</td>
<td></td>
</tr>
<tr>
<td>*(In Mod P00143)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Per a mutual agreement between Raytheon and JLENS Product Office all Contract Data Requirements List (CDRL's) (DD Form 1423) are due on the next business day after the required due date if the due date falls on Saturday, Sunday or a Government Holiday. In addition, for any CDRL with a requirement to resubmit within 10 days or less after receipt of comments, where Raytheon receives the comments on a Friday, the timeframe for resubmittal will begin on the next business day. Statement added in Mod P00143 on 24 Oct. 2007.

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFE/GFP/GES List for SDD</td>
<td>28 Nov 06</td>
<td>2</td>
</tr>
<tr>
<td>Replaced with Rev. B List</td>
<td>15 Oct 07</td>
<td>6</td>
</tr>
<tr>
<td><strong>Add items below</strong></td>
<td>Revised 22 Oct 07</td>
<td></td>
</tr>
<tr>
<td>For record-keeping purposes (Per Mod P00143)</td>
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<td></td>
</tr>
</tbody>
</table>

**Per the DCMA and Raytheon is authorized rent free use on a non-interference use of the equipment listed below for utilization on JLENS Fire Control Radar Prime Contract DASG60-98-C-0001 for the period from 19 April 2007 through 30 September 2011.**

(b)(4)
Hereby added in Mod P00148 for tracking purposes:
Originated in Basic Contract:
Government Furnished Equipment - Spiral 1 20 Jun 03 1 List
(Spiral 1 Equipment Transferred to Government 25 Mar 07* 34 pages
Contract DASG60-00-C-0091, DD Form 1149 (attached) (Revised 21 Nov 07)* 34 pages
Gov't Technical POC: (b) (6)
Ship to address: (b) (4)

*NOTE: Items 1-1060 transferred to Contract DASG60-00-C-0091 per revised GFE list dated 21 Nov 07. Items 1061 – 1116 GFE items retained on Contract DASG60-98-C-0001 for Spiral 2 per GFE list dated 25 Mar 07.

(End of Summary of Changes)
REQUISITION AND INVOICE/SHIPPING DOCUMENT

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188). 111 St. Jeaffreson Davis Highway, Suite 1234, Arlington, VA 22203-4302. Respondents should be advised that, notwithstanding any other provision of law, no penalties shall be imposed for failing to comply with a collection of information if it does not display a currently valid OMB control number.

Please do not return your form to this address. Return completed form to the address in item 3.

1. FROM: Include ZIP Code
   U.S. Army Space and
   Contracting and Acqui-
   sition Command
   Redstone Arsenal, AL

2. TO: Include ZIP Code
   U.S. Army Space and
   Contracting and Acqui-
   sition Command
   Redstone Arsenal, AL

3. SHEET NO. 1 OF 1

4. APPROPRIATIONS DATA

<table>
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<th>ITEM</th>
<th>FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES</th>
<th>UNIT OF ISSUE</th>
<th>QUANTITY REQUESTED</th>
<th>SUPPLY ACTION</th>
<th>TYPE CONTAINER NO.</th>
<th>CONTAINER NO.</th>
<th>UNIT PRICE</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JLENS Spiral I System and support equipment. See attached inventory. XXXXXXXXXXXXXXXXXXXX NOTHING FOLLOWS XXXXXXXXXXXXXXXXXXXX</td>
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<td>1</td>
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16. TRANSPORTATION VIA MATS OR MTS CHARGEABLE TO

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<tr>
<th>ISSUED BY</th>
<th>TOTAL CONTAINERS</th>
<th>TYPE CONTAINER</th>
<th>DESCRIPTION</th>
<th>TOTAL WEIGHT</th>
<th>TOTAL CUSE</th>
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</thead>
<tbody>
<tr>
<td>CHECKED BY</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PACKED BY</td>
<td></td>
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17. SPECIAL HANDLING

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<tr>
<th>CONTAINERS RECEIVED EXCEPT AS NOTED</th>
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<td>QUANTITIES RECEIVED EXCEPT AS NOTED</td>
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<td>POSTED</td>
<td>YYYYMMDD</td>
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DD FORM 1149, JUN 2003

PREVIOUS EDITION IS OBSOLETE.
## REQUISITION AND INVOICE/SHIPPING DOCUMENT

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that refusal to supply any of the information, except as noted, will not disqualify a person from any service or position, and will not result in forfeiting any rights or benefits. You are not required to supply any information that is not listed above.

**PLEASE DO NOT RETURN YOUR FORM TO THIS ADDRESS. RETURN COMPLETED FORM TO THE ADDRESS IN ITEM 2.**

### 1. FROM

1. **NAME OF LEAD ORIGINATING UNIT**: U.S. Army Space and Missile Defense Command, Contracting and Acquisitions
2. **LOCATION**: Redstone Arsenal, AL 35898

### 2. TO

1. **NAME OF LEAD ORIGINATING UNIT**: U.S. Army Space and Missile Defense Command, Contracting and Acquisitions
2. **LOCATION**: Redstone Arsenal, AL 35898

### 3. APPROPRIATIONS DATA

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>FEDERAL STOCK NUMBER, DESCRIPTION, AND CSMG OF MATERIAL AND/OR SERVICES</th>
<th>UNIT OF ISSUE</th>
<th>QUANTITY REQUIRED</th>
<th>SUPPLY ACTION</th>
<th>TYPE CONTAINER</th>
<th>CONTAINER NO.</th>
<th>UNIT PRICE</th>
<th>TOTAL COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JLENS Spiral 1 System and support equipment. See attached inventory. XXXXXXXXXXXXXXXXXXX NOTING FOLLOWS XXXXXXXXXXXXXXX</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>$0.00</td>
<td>$0.00</td>
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### 14. TRANSPORTATION VIA MILES OR UNITS CHARGABLE TO

<table>
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<th>NO.</th>
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<td>16</td>
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### 17. SPECIAL HANDLING

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**DD FORM 1149, JUN 2003**

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BD364-107-001

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<td>1. AMENDMENT/MODIFICATION NO.</td>
</tr>
<tr>
<td>2. EFFECTIVE DATE</td>
</tr>
<tr>
<td>3. REQUISITION/PURCHASE REQ. NO.</td>
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<tr>
<td>4. CONTRACT ID CODE</td>
</tr>
<tr>
<td>5. PROJECT NO (if applicable)</td>
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<tr>
<td>6. ISSUED BY</td>
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<tr>
<td>CODE</td>
</tr>
<tr>
<td>US ARMY SPACE &amp; MISSILE DEFENSE COMMAND</td>
</tr>
<tr>
<td>BMDC-RC</td>
</tr>
<tr>
<td>PO BOX 1000</td>
</tr>
<tr>
<td>HUNTSVILLE AL 35807-3201</td>
</tr>
<tr>
<td>8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)</td>
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<tr>
<td>RAYTHEON COMPANY</td>
</tr>
<tr>
<td>200 LOWELL ST.</td>
</tr>
<tr>
<td>ANDOVER MA 01810-4400</td>
</tr>
<tr>
<td>CODE</td>
</tr>
<tr>
<td>FACILITY CODE</td>
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<td>10. DATED (SEE ITEM 11)</td>
</tr>
<tr>
<td>X</td>
</tr>
<tr>
<td>DAS96-98-C-0001</td>
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<tr>
<td>10B. DATED (SEE ITEM 13)</td>
</tr>
<tr>
<td>30-Jan-1998</td>
</tr>
<tr>
<td>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended, is not extended.</td>
</tr>
<tr>
<td>Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:</td>
</tr>
<tr>
<td>(a) By completing Item 8 and 15, and returning copies of the amendment; (b) by acknowledging receipt of this amendment in each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</td>
</tr>
<tr>
<td>12. ACCOUNTING AND APPROPRIATION DATA (if required)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS</td>
</tr>
<tr>
<td>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</td>
</tr>
<tr>
<td>A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.</td>
</tr>
<tr>
<td>B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103B.</td>
</tr>
<tr>
<td>C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:</td>
</tr>
<tr>
<td>D. OTHER (Specify type of modification and authority)</td>
</tr>
<tr>
<td>Limitation of Funds</td>
</tr>
<tr>
<td>IMPORTANT: Contractor X is not, is required to sign this document and return copies to the issuing office.</td>
</tr>
<tr>
<td>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible)</td>
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<tr>
<td>Modification Control Number: 1234567890</td>
</tr>
<tr>
<td>Due to a Standard Procurement System defect, the date shown in Block 8B of the SF30 may be inaccurate. The date should be 30 January 1992.</td>
</tr>
<tr>
<td>The purpose of this Modification F00149 is to incrementally fund CLIN 0017AA in the amount of $52,321,000.</td>
</tr>
<tr>
<td>Except as referenced above, all other terms and conditions of the original contract remain unchanged.</td>
</tr>
<tr>
<td>15A. NAME AND TITLE OF SIGNER (Type or print)</td>
</tr>
<tr>
<td>CONTRACTOR/OFFEROR</td>
</tr>
<tr>
<td>(Signature of person authorized to sign)</td>
</tr>
<tr>
<td>15C. DATE SIGNED</td>
</tr>
<tr>
<td>16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)</td>
</tr>
<tr>
<td>16C. DATE SIGNED</td>
</tr>
<tr>
<td>16D. SIGNATURE OF CONTRACTING OFFICER</td>
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<tr>
<td>EXCEPTION TO SF 30</td>
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<tr>
<td>STANDARD FORM 30 (Rev. 10-83)</td>
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</tbody>
</table>
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $52,321,000.00.

SUBCLIN 0017AA:

KT: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J710600 S01021 4M8J710600/84MJLE/4M5 was increased by $52,321,000.00 from $284,000,000.00 to $336,321,000.00

(End of Summary of Changes)
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Not a Contract Document
### AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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<tr>
<th>1. CONTRACTID CODE</th>
<th>2. AMENDMENT/MODIFICATION NO.</th>
<th>3. EFFECTIVE DATE</th>
<th>4. REQUISITION/PURCHASE REQ. NO.</th>
<th>5. PROJECT NO. (If applicable)</th>
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<td>P00150</td>
<td></td>
<td>05-Feb-2006</td>
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</tr>
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</table>

#### 6. ISSUED BY
- **CODE**: WB112M
- **US ARMY SPACE & MISSILE DEFENSE COMMAND**: SCHRIROCOM
- **PO BOX**: 1002
- **HUNTSVILLE, AL**: 35807-2001

#### 7. ADMINISTERED BY (If other than item 5)
- **CODE**: SC200A
- **DOMA-RAYTHEON**: SPRINGFIELD
- **MISSISSIPPI**: TEMPESTARY MANUFACTURING

#### 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, City, State and Zip Code)
- **RAYTHEON COMPANY**
- **300 LOWELLE**
- **ANDOVER MA**: 01810-6001

#### 9A. AMENDMENT OF SOLICITATION NO.
- **MOD. OF CONTRACT ORDER NO.**: DAC606-00-C-0001
- **DATED (SEE ITEM 11)**: 10-Feb-2000
- **D.E. DATED (SEE ITEM 11)**: 30-Jan-1998

#### 10. FACILITY CODE
- **CODE**: 08710

#### 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS
- **X**

#### 12. ACCOUNTING AND APPROPRIATION DATA (If required)
- **X**

#### 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 11.
- **A. THIS CHANGE ORDER IS ISSUED PURSUANT TO**: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
- **B. THE ABOVE NUMBERED CONTRACT ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in payment dates, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.102(b).
- **C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED PURSUANT TO AUTHORITY OF**:

#### 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by OCR section headings, including solicitation/contract subject matter where feasible)

- **Modification Control Number**: [Redacted]
- **Due to a Standard Procurement System defect, the data shown in block 106 of the SF30 may be inaccurate. The date should be 30 January 1998.**

The purpose of this Modification P00150 is to: (1) Incorporate DD Form 254, Revision No. 10, dated 28 Dec 2001. (2) Add statement to authorize Raytheon to use Gov't Supply Sources for this contract AND (3) Correct cost breakout for Mod P00147.

Except as referenced above, all other terms and conditions of the original contract remain unchanged.

#### 15A. NAME: [Redacted]
- **(b)(6)**

#### 15C. DATE SIGNED: [Redacted]
- **5-26-08**

#### 16A. NAME AND TITLE OF COMPLETING OFFICER: [Redacted]
- **(b)(6)**

#### 16B. UNCLASSIFIED/VIA CONTROL: [Redacted]
- **(Signature of Completing Officer)**

#### 16C. DATE SIGNED: [Redacted]
- **05-Feb-2008**

#### 16D. UNCLASSIFIED/VIA CONTROL: [Redacted]

#### 16E. UNCLASSIFIED/VIA CONTROL: [Redacted]

#### 16F. UNCLASSIFIED/VIA CONTROL: [Redacted]

---

**001417**
*Per Modification P00143 & to add statement in Section A of Modification P00143)

*Added statement below to address weekends/Holidays:
(In Mod P00143)

24 October 07

*Per a mutual agreement between Raytheon and JLENS Product Office all Contract Data Requirements List (CDRL’s) (DD Form 1423) are due on the next business day after the required due date if the due date falls on Saturday, Sunday or a Government Holiday. In addition, for any CDRL with a requirement to resubmit within 10 days or less after receipt of comments, where Raytheon receives the comments on a Friday, the timeframe for resubmittal will begin on the next business day. Statement added in Mod P00143 on 24 Oct. 2007.

GFE/GFP/GFS List for SDD
Replaced with Rev. B List
**Add items below
For record-keeping purposes
(Per Mod P00143)

28 Nov 06 2
15 Oct 07 6
Revised 22 Oct 07

**Per the DCMA and Raytheon is authorized rent free use on a non-interference use of the equipment listed below for utilization on JLENS Fire Control Radar Prime Contract DASG60-98-C-0001 for the period from 19 April 2007 through 30 September 2011.

Hereby added in Mod P00148 for tracking purposes:
Originated in Basic Contract:
Government Furnished Equipment - Spiral 1
(Spiral 1 Equipment Transferred to Government Contract DASG60-00-C-0091. DD Form 1149 (attached) (Revised 21 Nov 07)* 34 pages

(b)(6)

(b)(4)

*NOTE: Items 1-1060 transferred to Contract DASG60-00-C-0091 per revised GFE list dated 21 Nov 07. Items
1061 - 1116 GFE items retained on Contract DASG60-98-C-0001 for Spiral 2 per GFE list dated 25 Mar 07.

(End of Summary of Changes)
**DEPARTMENT OF DEFENSE**

**CONTRACT SECURITY CLASSIFICATION SPECIFICATION**

(The requirements of the DoD Industrial Security Manual apply to all security aspects of this effort.)

2. THIS SPECIFICATION IS FOR: (X and complete as applicable)

- PRIME CONTRACT NUMBER
  - DASG60-98-C-0001

3. THIS SPECIFICATION IS: (X and complete as applicable)

- ORIGINAL (Complete date in all cases)
  - DATE (YYYYMMDD): 19980113
- REVISED (Supersedes all previous specs)
  - REVISION NO.: 10
  - DATE (YYYYMMDD): 20071226

4. IS THIS A FOLLOW-ON CONTRACT? 

- YES 
- NO

5. IS THIS A FINAL DD FORM 254?

- YES
- NO

6. CONTRACTOR (Include Commercial and Government Entity (CAGE) Code)

<table>
<thead>
<tr>
<th>NAME, ADDRESS, AND ZIP CODE</th>
<th>CAGE CODE</th>
<th>COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</th>
</tr>
</thead>
</table>
| Raytheon Company
  DBA Raytheon Div AMDS
  359 Lowell Street
  Andover MA 01810-4400 | 05716 | Defense Security Service
  187 Ballardvale Street
  Suite B-205
  Wilmington MA 01887-1062 |

7. SUBCONTRACTOR

<table>
<thead>
<tr>
<th>NAME, ADDRESS, AND ZIP CODE</th>
<th>CAGE CODE</th>
<th>COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. ACTUAL PERFORMANCE

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<tr>
<th>LOCATION</th>
<th>CAGE CODE</th>
<th>COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)</th>
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</thead>
<tbody>
<tr>
<td>Same as Block 6a</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT


10. CONTRACTOR WILL REQUIRE ACCESS TO:

<table>
<thead>
<tr>
<th>ACCESS REQUIREMENTS</th>
<th>ACCESS TO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. COMMUNICATIONS SECURITY (CLASSIFIED) INFORMATION</td>
<td>RECEIVE CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY</td>
</tr>
<tr>
<td>b. RESTRICTED DATA</td>
<td>RECEIVE CLASSIFIED DOCUMENTS ONLY</td>
</tr>
<tr>
<td>c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION</td>
<td>RECEIVE AND GENERATE CLASSIFIED MATERIAL</td>
</tr>
<tr>
<td>d. FORMERLY RESTRICTED DATA</td>
<td>FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE</td>
</tr>
<tr>
<td>e. INTELLIGENCE INFORMATION</td>
<td>PERFORM SERVICES ONLY</td>
</tr>
<tr>
<td>f. SENSITIVE COMPARTMENTED INFORMATION (SCI)</td>
<td>HAVE ACCESS TO CLASSIFIED INFORMATION OUTSIDE THE U.S., ITS PROTECTOR NATIONS, AND THEIR TERRITORIES</td>
</tr>
<tr>
<td>g. SPECIAL ACCESS INFORMATION</td>
<td>MAY BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHERS COMMUNITY DISTRIBUTION CENTER</td>
</tr>
<tr>
<td>h. FOREIGN GOVERNMENT INFORMATION</td>
<td>REQUIRE A CONSEC ACCOUNT</td>
</tr>
<tr>
<td>i. LIMITED DISSEMINATION INFORMATION</td>
<td>HAVE TEMPORARY REQUIREMENTS</td>
</tr>
<tr>
<td>j. FOR OFFICIAL USE ONLY INFORMATION</td>
<td>HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS</td>
</tr>
<tr>
<td>k. OTHER (Specify)</td>
<td>BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE</td>
</tr>
</tbody>
</table>

1. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:

- HAVE TEMPEST REQUIREMENTS
- HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS
- BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE
- OTHER (Specify)

Require classified computer processing.

DD FORM 254, DEC 1999

PREVIOUS EDITION IS OBSOLETE
12. PUBLIC RELEASE. Any information (classified or unclassified) pertaining to this contract shall not be released for public dissemination except as provided by the Industrial Security Manual or unless it has been approved for public release by appropriate U.S. Government authority. Proposed public releases shall be submitted for approval prior to release

Commander, US Army Aviation and Missile Command, ATTN: AMSAM PA, Redstone Arsenal AL 35898-5000

Through (Specify)

In the case of non-DOD User Agencies, requests for disclosure shall be submitted to that agency.

13. SECURITY GUIDANCE. The security classification guidance needed for this classified effort is identified below. If any difficulty is encountered in applying this guidance or if any other contributing factor indicates a need for changes in this guidance, the contractor is authorized and encouraged to provide recommended changes; to challenge the guidance or the classification assigned to any information or material furnished or generated under this contract; and to submit any questions for interpretation of this guidance to the official identified below. Pending final decision, the information involved shall be handled and protected at the highest level of classification assigned or recommended. (Fill in an appropriate security effort. Attach, or forward under separate correspondence, any documents and attachments referenced herein. Add additional pages as necessary to provide complete guidance.)

Estimated date of completion of the contract is 30 September 2012.

See continuation pages for additional security guidance.

14. ADDITIONAL SECURITY REQUIREMENTS. Requirements, in addition to IBM requirements, are established for this contract. Yes [X] No

(If Yes, explain and identify specific areas or elements covered under this contract and the activity responsible for inspections. Use Item 13 if additional space is needed.)

15. INSPECTIONS. Elements of this contract are outside the inspection responsibility of the cognizant security office. Yes [X] No

(If Yes, explain and identify specific areas or elements covered under this contract and the activity responsible for inspections. Use Item 13 if additional space is needed.)

16. CERTIFICATION AND SIGNATURE. Security requirements stated herein are complete and adequate for safeguarding the classified information to be released or generated under this classified effort. All questions shall be referred to the official named below.

A. TYPED NAME OF CERTIFYING OFFICIAL

B. TITLE

C. TELEPHONE (Include Area Code)

17. REQUIRED DISTRIBUTION

A. CONTRACTOR
B. SUBCONTRACTOR
C. COGNIZANT SECURITY OFFICE FOR PRIME AND SUBCONTRACTOR
D. U.S. ACTIVITY RESPONSIBLE FOR OVERSEAS SECURITY ADMINISTRATION
E. ADMINISTRATIVE CONTRACTING OFFICER
F. OTHERS AS NECESSARY: SMDC/ARSTRAT, SAPCO, and TM

001422
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Not a Contract Document
# Amendment of Solicitation/Modification of Contract

<table>
<thead>
<tr>
<th>1. Amendment Modification No.</th>
<th>2. Effective Date</th>
<th>3. Requisition Purchase Req No.</th>
<th>4. Project No. (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>13-Feb-2008</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Issued By**

US Army Space & Missle Defense Command  
SMDC-RDC  
PO Box 150  
Huntsville, Al. 35807-3001

**Administered By**

DCMA Raytheon  
50 Apple Hill Drive  
MSC TFHP  
TEMSBURY MA 01876

**Facility Code**

05716

**Code**

W0113M

**Date Signed**

30-Jan-1998

**AMENDMENT OF SOLICITATION/ MODIFICATION OF CONTRACT**

**9A. AMENDMENT OF SOLICITATION NO.**

**9B. DATED (SEE ITEM 11)**

**10A. MOD. OF CONTRACT/ORDER NO.**

**10B. DATED (SEE ITEM 13)**

**30-Jan-1998**

**8. NAME AND ADDRESS OF CONTRACTOR**

Raytheon Company  
250 Lowell St.  
Andover, MA 01810-4400

**9. AMENDMENT OF SOLICITATION NO.**

**10A. MOD. OF CONTRACT/ORDER NO.**

**10B. DATED (SEE ITEM 13)**

**30-Jan-1998**

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numberd solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation as amended by one of the following methods:

- (a) By completing Items 8 and 15, and returning copies of the amendment. This is judging receipt of this amendment on each copy of the offer submitted:

- (b) By separate letter or telegram that includes a reference to the solicitation and amendment number. Failure of your acknowledgment to be received at the place designated for the receipt of offers prior to the hour and date specified may result in rejection of your offer.

Provide each contractor letter makes reference to this solicitation and amendment, and is received prior to the opening hour and date specified.

**12. ACCOUNTING AND APPROPRIATION DATA**

See Schedule 13.

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

**14. DESCRIPTION OF AMENDMENT/MODIFICATION**

**Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.**

**The purpose of this Amendment PO0151 is to incrementally fund CLIN 00117 AA in the amount of $36M.**

**15A. NAME AND TITLE OF SIGNER (Type or print)**

[Signature of person authorized to sign]

**16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)**

[Signature of person authorized to sign]

**15B. UNITED STATES OF AMERICA**

13-Feb-2006

**16B. DATE SIGNED**

13-Feb-2006

**STANDARD FORM 30 (Rev. 10-83)**

Prepared by GSA  
FAR (48 CFR) 53.243
As a result of this modification, the total funded amount for this document was increased by $36,000,000.00.

<table>
<thead>
<tr>
<th></th>
<th>Target Cost</th>
<th>Target Fee</th>
<th>Total</th>
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<tbody>
<tr>
<td>$36,000,000.00</td>
<td></td>
<td></td>
<td></td>
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</table>

(End of Summary of Changes)
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AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

AMENDMENT/MODIFICATION NO: 00152
EFFECTIVE DATE: 20-Feb-2008

REQUISITION/PURCHASE REQ. NO. (If applicable)

PROJECT NO. (If applicable)

ISSUED BY
US ARMY SPACE & MISSILE DEFENSE COMMAND
SMDC-RDC
PO BOX 500
HUNTSVILLE AL 35807-3501

CODE: W9113M

ADMINISTERED BY: (Other than item b)

US ARMY SPACE & MISSILE DEFENSE COMMAND

PROJECT CODE: W205A

NAME AND ADDRESS OF CONTRACTOR
RAYTHEON COMPANY
350 LOWELL ST
ANDOVER MA 01810-4400

CODE: 05716

FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended. ☐ is not extended

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
(a) By completing items 1 and 14, and returning a copy of this amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;
(c) By separate letter or telegram which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If you wish to change an offer already submitted, such change may be made by telegram or letter provided each telegram or letter makes reference to the solicitation and this amendment and is received prior to the opening hour and date specified.

ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

12. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT/ORDER NO. IN ITEM 10A.

MODIFICATION CONSENT NUMBER: ☐ ☐ ☐ ☐

Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

The purpose of this Modification P00152 is to move funds from CLIN 0017AA ACRN: KN to KU from previous mods for billing purposes. See page 2 for details.

15A. NAME AND TITLE OF SIGNER (Type or print)

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

15B. DATE SIGNED
20-Feb-2008

16B. DATE SIGNED
20-Feb-2008

EXCEPTION TO SF 30
APPROVED BY OIRM 11-84

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

(b)(6)
SUMMARY OF CHANGES

The purpose of this modification P00152 is to delete funds from CLIN 17AA, ACRN: KN and move same funds to CLIN 17AA, ACRN: KU for billing purposes.

The following are the modification numbers and amounts that were moved from ACRN: KN to ACRN: KU

<table>
<thead>
<tr>
<th>Modification No.</th>
<th>$ Amount</th>
</tr>
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<tbody>
<tr>
<td>P00137</td>
<td>$500,000</td>
</tr>
<tr>
<td>P00139</td>
<td>$983,183</td>
</tr>
<tr>
<td>P00140</td>
<td>$150,000</td>
</tr>
<tr>
<td>P00144</td>
<td>$300,000</td>
</tr>
<tr>
<td>P00147</td>
<td>$75,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,008,183</strong></td>
</tr>
</tbody>
</table>

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

SUBCLIN 0017AA:

KN: 2172040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was decreased by $2,008,183.00 from $194,273,851.00 to $192,265,668.00

KU: 2172040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was increased by $2,008,183.00 from $0.00 to $2,008,183.00

The contract ACRN KU has been added.

(End of Summary of Changes)
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Not a Contract Document
<table>
<thead>
<tr>
<th>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</th>
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<tbody>
<tr>
<td>1. CONTRACT/St ORDER/NO.</td>
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<tr>
<td>P00153</td>
</tr>
<tr>
<td>3. MODIFIED CODE</td>
</tr>
<tr>
<td>5. CODE</td>
</tr>
<tr>
<td>7. NAME AND ADDRESS OF CONTRACTOR: (City, State, Zip Code)</td>
</tr>
<tr>
<td>8. DATE</td>
</tr>
<tr>
<td>10. MODIFICATION NO.</td>
</tr>
<tr>
<td>11. REQUEST/STABLE AMENDMENT OF SOLICITATION</td>
</tr>
<tr>
<td>12. ACCOUNTS AND APPROPRIATION DATA</td>
</tr>
<tr>
<td>13. TERMS APPLICABLE TO MODIFICATIONS OF CONTRACT/St ORDERS</td>
</tr>
<tr>
<td>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Describe by UCP action, inclusion, exclusion, or modification)</td>
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<tr>
<td>15. YEAR</td>
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<tr>
<td>17. DESCRIPTION OF AMENDMENT/MODIFICATION (Describe by UCP action, inclusion, exclusion, or modification)</td>
</tr>
<tr>
<td>18. NUMBER OF copm المجلس</td>
</tr>
<tr>
<td>20. DATE</td>
</tr>
<tr>
<td>21. CONTRACT/St ORDER/NO.</td>
</tr>
<tr>
<td>22. MODIFICATION NO.</td>
</tr>
</tbody>
</table>

(b)(3)(A) & Title 10 Sec 130 (a)(b)

001445
SECTION A - SOLICITATION/CONTRACT FORM

The purpose of this Modification P00153 is to incorporate CLIN 0021 to support the SDD Statement of Work (SOW) dated 30 Nov 2006, Paragraph 5.4, System Tests/Demonstrations and hereby revised for clarification incorporate SOW 28 January 2008 per Attachment in Section J.

CLIN 21AB is allotted a Not-To-Exceed amount of $37,422 for the performed in February and March 2008. This will allow for contract definitization.

The total cost of this contract was increased by $37,422.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

CLIN 0021 is added as follows:

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0021</td>
<td>JLENS Simulation Support</td>
<td></td>
<td>LOT</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CPFF</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>System Tests/Demonstrations/Exercises - Statement of Work &quot;JLENS Simulation Support&quot;. The support is for the SDD phase to include and Simulation Support Tasks. POP is 13 February 2008 - 31 December 2008. FOB: Destination</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

(b)(3)(A)
(i)&Title 10 Sec 130 (a)(b)

ESTIMATED COST $0.00
FIXED FEE $0.00
TOTAL EST COST + FEE $0.00

SUBCLIN 0021AA is added as follows:
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<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0021AA</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>CPFF</td>
<td></td>
</tr>
</tbody>
</table>

Contractor shall provide JLENS all software Surveillance/Precision track and illumination radar Emulation in simulation integration and operational support to the 2008 at the Software Engineering Directorate (SED) at Redstone Arsenal, AL. Full description of required task is attached in the SOW, Section J.

FOB: Destination

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
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<tbody>
<tr>
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</table>

SUBCLIN 0021AB is added as follows:

<table>
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<th>SUPPLIES/SERVICES</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
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<td></td>
<td></td>
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<td>CPFF</td>
<td></td>
</tr>
</tbody>
</table>

$37,422 is a Not-To-Exceed amount for performed in February and March, 2008.

ACRN KV
CIN: 0000000000000000000000000

SUBCLIN 0021AC is added as follows:
ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
--- | --- | --- | --- | --- | --- |
0021AC | Simulation Support Task | FFP | Contractor shall provide simulation integration and operational support to exercises, events and/or analysis efforts. Full description of task is included in the SOW, Section 1. FOB: Destination |

NET AMT | $0.00 |

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $37,422.00.

SUBCLIN 0021AB:
Funding on SUBCLIN 0021AB is initiated as follows:

ACRN: KV

CIN: 0000000000000000000000000000000000

Accting Data: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR:040933 PSR:110286 DSR:363222 F67100

Customer Order No. F1AF1W8016G001

Increase: $37,422.00

Total: $37,422.00

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

J-1

5. SECTION J - LIST OF ATTACHMENTS:

Section J is changed as shown below:
**Title**

Contract Security Classification Specification (DD Form 254)

REVISION 10 (P001-49) DD 254 Mailed via US Postal Service.

NOTE: Last Revision see P00106 Rev. 8 (Rev. 9 deleted)

**Clin 0017:**

JLENS System Development and Demonstration (SDD) Program Statement of Work (Revised by Incorporating CSDR Plans dated 20 Feb 2007 in Appendix C per Modification P00136)

**Contract Data Requirements List (DD Form 1423)**

Exhibit A with Distribution List & Data Item Nos. B001 through B062

(Replace Data Item Nos. B026 and B027, only Per Modification P00136)

(Replace Data Item Nos. B048 and B049, only Per Modification P00143 & to add statement in Section A of Modification P00143)

* Added statement below to address weekends/Holidays:

(In Mod P00143)

* Per a mutual agreement between Raytheon and JLENS Product Office all Contract Data Requirements List (CDRL’s) (DD Form 1423) are due on the next business day after the required due date if the due date falls on Saturday, Sunday or a Government Holiday. In addition, for any CDRL with a requirement to resubmit within 10 days or less after receipt of comments, where Raytheon receives the comments on a Friday, the timeframe for resubmittal will begin on the next business day. Statement added in Mod P00143 on 24 Oct 2007.

**GFE/GFP/GFS List for SDD**

Replaced with Rev. B List

** Add items below

For record-keeping purposes

(Per Mod P00143)

** Per the DCMA and Raytheon is authorized rent free use on a non-interference use of the equipment listed below for utilization on JLENS Fire Control Radar Prime Contract DASG60-98-C-0001 for the period from 19 April 2007 through 30 September 2011.

** (b)(3)(A)

** (b)(3)(A)
Hereby added in Mod P00148 for tracking purposes:

Originated in Basic Contract:
Government Furnished Equipment - Spiral 1
(Spiral 1 Equipment Transferred to Government) Contract DASG60-00-C-0091, DD Form 1149 (attached) (Revised 21 Nov 07)*

*NOTE: Items 1-1060 transferred to Contract DASG60-00-C-0091 per revised GFE list dated 21 Nov 07. Items 1061 - 1116 GFE items retained on Contract DASG60-98-C-0001 for Spiral 2 per GFE list dated 25 Mar 07.

CLIN 0021
JLENS Simulation Support 28 January 2008 2 pages
SOW dated 28 January 2008
For ----------------- and Simulation Support Tasks
(Added per Mod P00153)

(End of Summary of Changes)
Scope of Work

1) The contractor shall provide JLENS All-software Surveillance/Precision track and illumination radar Emulation in simulation integration and operational support to the Software Engineering Directorate (SED) at Redstone Arsenal, Alabama. The contractor shall maintain JLENS simulation software and hardware (workstations) currently installed at SED. This provides capability for one FCR system and one SuR system at the exercise. The contractor shall provide 1 person operator/technical support during a one-week integration event and a one-week test event. The contractor operators shall be capable of providing diagnostic technical support and operator training for the duration of each exercise. No modifications are required to or tactical software capabilities, however software currently installed may need to be updated to the latest available version. The contractor shall deliver a trip report and test data recordings from both in contractor format.

Labor (technical only): (b)(4) Travel: 2 trips – 1 workweek, 1 person each (Andover – Huntsville)
Material: None

Travel Detail:
May 08 associate integration - 1 trip, 1 workweek, 1 person
Jun 08 exercise - 1 trip, 1 workweek, 1 person

2) The contractor shall provide JASPER simulation development, integration, and operational support to the . This work supports the evaluation of advanced concepts for cruise missile defense, including integrated fire control (IFC), single integrated air picture (SIAP) and joint level. The contractor shall utilize previously provided simulation hardware (workstations) and provide and maintain the simulation software during the five day exercises, and provide a single operator. The contractor shall provide additional data logging capability as defined . The contractor shall provide input of scenario specifics and operation of the models and simulations during exercises and tests.

Labor (technical only): (b)(4) Travel: 8 trips – 1 workweek, 1 person each (Andover – St. Louis)
Material: Software Maintenance, Hardware Maintenance

Travel Detail:
Feb 08 associate integration - 1 trip, 1 workweek, 1 person
3) Simulation Support Task

The contractor shall provide simulation integration and operational support to exercises, events, and/or analysis efforts. The contractor shall procure, install and integrate JLENS simulation software and hardware (workstations) as required to simulate JLENS performance. The contractor shall assess the need for and provide software modifications as necessary to support the effort. For each effort, the contractor shall provide operator/technical support for integration and events as required. The contractor operators shall be capable of providing diagnostic technical support and operator training for the duration of each exercise. For each effort, the contractor shall deliver a trip report in contractor format, and, unless security limitations prevent data from being provided, the contractor shall also deliver test data recordings in contractor format.

Labor: [Redacted] hours
Travel: 5 trips – 1 workweek, 1 person each (b)(4)
Material: $15k for each hardware/software installation
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# Amendment of Solicitation/Modification of Contract

## Amendment/Modification No.

<table>
<thead>
<tr>
<th>2. AMENDMENT/MODIFICATION NO.</th>
<th>3. EFFECTIVE DATE</th>
<th>4. REAS. SHOWN/PURCHASED BY NO.</th>
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<td>21-Mar-2006</td>
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## Issued By

- **US Army Space & Missile Defense Command (SPC/OSD)**
- **P.O. Box 2000**
- **Fort Lee, Va. 22430-5000**

## Administered By

- **Office of the Undersecretary of Defense for Acquisition**
- **SPC/OSD/DP**
- **SPC/OSD**
- **Department of Defense**

## Name and Address of Contractor

- **Raytheon Co.**
- **Raytheon Co.**
- **Raytheon Co.**
- **Raytheon Co.**

## Amendment of Solicitation No.

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## FACILITY CODE

- Code: 05776

## This Item Only Applies to Amendments of Solicitations

- [ ] This amendment is an addendum as set forth in item 11. The issue date specified herein applies to this amendment.
- [ ] This amendment is an addendum as set forth in item 11. The issue date specified herein applies to this amendment.
- [ ] This amendment is an addendum as set forth in item 11. The issue date specified herein applies to this amendment.

## Accounting and Appropriation Limit (If required)

- [ ] This item applies only to modifications of contract orders. It modifies the contract order, No., as described in item 14.

## Description of Amendment/Modification

- **A.** This contract order is issued pursuant to. (Specify authority) The changes set forth in item 14 are made in the contract order, No., as described in item 14.
- **B.** The above-numbered contract order is modified to reflect the administrative changes (such as changes in the position, funding, appropriation, etc.) set forth in item 14, pursuant to the authority of FAR 41.302(b).
- **C.** This supplemental agreement is entered into pursuant to authority.

## Other (Specify Type of Modification and Authority)

- **FAR 52.242-2, Changes Clause - Cost Reimbursement**

## Description of Amendment/Modification (Organized by UCF action headings, including solicitation/amendment subject matter, where feasible)

- **Modification Control Number:** [Redacted]
- **Due to a Standard Procurement System defect, the date shown in Block 108 of the SF10 is incorrect. The date should be 30 Jan. 1998.**
- **The purpose of the Modification P00154 is to describe the Cooperative Engagement Capability Fiber Optic Interface (CECFOI) task that is part of CQN 00171.**

## Exception to 30

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<th>Approved by MMS 11-04</th>
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<td>FAR (49 CFR) 22.243</td>
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## Approved by

- **MMS 11-04**

## Date Signed

- **27-Mar-08**

## Exception 001457
In accordance with FAR Clause 52.243-2, Changes – Cost Reimbursement, Modification P00154 is issued to de-scope work under CLIN 0017AA which was included at the time of the SDD phase definitization in December, 2006.

The de-scope effort includes the...

The CFOI de-scope is in the amount of ($2,821,245) and retained risk reduction is in the amount of for an overall decrease in the amount of... in contract value to CLIN 0017AA. The current funding is not affected by this Modification due to current tasks remaining on CLIN 0017AA.

It is hereby noted, that JLENS SDD CFOI De-scope proposal “Ground Rules and Assumptions” submitted by Raytheon with their revised proposal dated 20 December 2007 were further revised by JLENS Product Office and agreed to by Raytheon in an email dated 04 March 2008.

It is agreed that this Modification constitutes and reflects the agreement of the parties regarding any equitable adjustment to cost or schedule arising from the above change order. The contractor releases the Government from any and all liability under this contract for further equitable adjustment arising from this change order.

SECTON B - SUPPLIES OR SERVICES AND PRICES

1. SECTION B- SUPPLIES OR SERVICES AND PRICES/COSTS:

   b. The following clauses have been added to Section B and replace all previous Section B references for incentive fee for SubCLIN 0017AA/CLIN 0018,

      B-17 INCENTIVE FEE FOR SUBCLIN 0017AA/CLIN 0018 (SEE H-19):

      In accordance with FAR 52.216-7, entitled “Allowable Cost and Payments”, and FAR 52.216-10, entitled “Incentive Fee”, the total amount for reimbursement of cost and fee for performance under SubCLIN 0017AA/CLIN 0018 are set forth below:

      Target Cost
      Target Fee

      Incentive Arrangement: Maximum Fee:
      Minimum Fee: (b)(4)

      (Share Ratio: Government/Contractor)

      Underrun: for the amount by which the total allowable cost is less than the target cost until maximum fee is attained. (b)(4)
Overrun: the amount by which the total allowable cost exceeds the target cost until minimum fee is attained.

FAR 52.216-10 INCENTIVE
Paragraph (e)(1) is stated as follows:
(e) Fee payable.
(1) The fee payable under this contract shall be the target fee increased by $ for every dollar that the total allowable cost is less than the target cost or decreased by $ for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than $ or less than $ of the target cost.

B-18. TARGET COST, TARGET FEE, MINIMUM INCENTIVE FEE, MAXIMUM INCENTIVE FEE, AND INCENTIVE ARRANGEMENT FOR SUBCLIN 0017AA/CLIN 0018:

SUBCLIN 0017AA – (Two SDD JLENS Systems)
a. Target cost:

b. Target fee:

(c) Minimum incentive fee:

d. Maximum incentive fee:

e. Total target cost and target fee: $1,427,212,605

B-18. TARGET COST, TARGET FEE, MINIMUM INCENTIVE FEE, MAXIMUM INCENTIVE FEE, AND INCENTIVE ARRANGEMENT FOR SUBCLIN 0017AA/CLIN 0018:

SUBCLIN 0017AA:

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<th>MODIFICATION</th>
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<td>(1) Amount Required for Full Funding, Including Fee:</td>
<td>$1,429,845,646</td>
<td>$ (2,633,041)</td>
<td>$1,427,212,605</td>
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<td>(2) Amount Allotted Under the LOF Clause for Payment of Costs:</td>
<td>$657,111,186</td>
<td>$ 0</td>
<td>$657,111,186</td>
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<td>(3) Amount Separately Obligated for Payment of Fee:</td>
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<td>(4) Total Amount Allotted and Obligated:</td>
<td>$1,429,845,646</td>
<td>$ (2,633,041)</td>
<td>$1,427,212,605</td>
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<td>(5) Net Amount Required for Full Funding</td>
<td>$1,429,845,646</td>
<td>$ (2,633,041)</td>
<td>$1,427,212,605</td>
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<tr>
<td>(6) Estimated Period of Performance the Allotted Amount Will Cover:</td>
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* These figures take into consideration the negotiated total value of SubCLIN 0017AA (This does not include SLIN 17AH).

4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:
b. Paragraph H-10, INCREMENTAL FUNDING OF THE CONTRACT:

(1) Paragraph c. is changed as follows:

c. Pursuant to the LIMITATION OF FUNDS clause, the sum of $657,111,186 is presently allotted to CLIN 0017AA and available for payment to cover the work to be performed hereunder.

H-19 Incentive Fee Structure and Payment for CLIN 0017, System Development and Demonstration (SDD)

a. General.

SubCLIN 0017AA, System Development and Demonstration (SDD), is a cost-plus-incentive-fee (CPIF) Line Item with cost and schedule incentives as described below. Paragraph H-19(b) applies only to the Cost Incentive and Paragraph H-19(c) applies only to the Schedule Incentive. The contract price amount of $1,427,212,605 includes a target cost of which include: $657,111,186 (the cost and capital cost of money) and a target incentive fee (upper limit which is the target cost less facilities capital cost of money.

b. Cost Incentive.

(1) The target fee payable under SubCLIN 0017AA is an amount equal to

(2) The maximum fee payable under SubCLIN 0017AA is the target cost less facilities capital cost of money.

(3) The minimum fee payable under SubCLIN 0017AA is an amount equal to

(4) Fee will be adjusted for actual cost that is less than or more than the target cost stated above using a share ratio of Government / Contractor for actual costs less than the target cost, and a ratio of Government / Contractor for actual costs greater than the target cost range applied according to Paragraph H-19(c)(1).

(5) Nothing stated in this clause shall take precedence over the clause 52.216-10 - Incentive Fee contained in this contract.

c. Schedule Incentive.

(1) A maximum "flat zone" will be established at the target cost value of with the conduct of milestones below. The "flat zone" over which the contractor will earn target fee is for eligible costs from once the program milestones set forth below are conducted.

(a) the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007.

(b) the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009.

(2) An additional schedule incentive fee pool of (maximum) is established and will be awarded to the contractor for conducting Test Readiness Review to allow for the Limited User Test Effort according to the schedule below:

001460
(a) [Redacted] of the schedule fee pool, an amount of [Redacted] will be awarded to the contractor if the contractor conducts the Test Readiness Review for the Limited User Test NLT 31 December 2010.

(b) [Redacted] of the schedule fee pool, an amount of [Redacted] will be awarded to the contractor if the contractor conducts the Test Readiness Review for the Limited User Test NLT 30 November 2010.

(c) [Redacted] of the schedule fee pool, an amount of [Redacted] will be awarded to the contractor if the contractor conducts the Test Readiness Review for the Limited User Test NLT 31 October 2010.

(d) [Redacted] of the schedule fee pool, an amount of [Redacted] will be awarded to the contractor if the contractor conducts the Test Readiness Review for the Limited User Test NLT 30 September 2010.

(e) If the contractor conducts the Test Readiness Review for the Limited User Test on or after 01 January 2011, the contractor is not entitled to any of the schedule fee incentive pool.

(f) If the contractor achieves an early milestone as listed in (a) through (d), the contractor shall submit a letter to the government Contracting Officer notifying him/her of the completion of the milestone and the claim for the incentive fee.

(3) For Earned Value and cost reporting purposes, the target cost value of [Redacted] will be used.

(4) If schedule incentive fee listed above is earned, the additional contract value will be added to the total value of this contract at the time the incentive is earned.

d. Changes issued under FAR 52.243-2, Changes - Cost Reimbursement

with the provisions of paragraphs (e)(3) of DFARS 252.227-7013 and 252.227-7014.

(End of Summary of Changes)
JLENS:23414:08:017
24 March 2008
Enclosure (2)

JLENS SDD CEC FOI De-scope Proposal
Ground Rules and Proposal Assumptions

This proposal is based on the following Ground Rules and Assumptions:

1. Proposal cost assumes de-scope contract modification is effective 1 February 2008.
   a. CEC FOI scope categorized as Sub-CLIN 30 for “CEC Added Scope” in Final SOP dated 6 Nov 2006

2. De-scope pricing based on negotiated BOEs adjusted for current POP and rates / factors as follows:
   a. De-scoped tasks not yet started. No actuals to date for material, electrical/mechanical design or manufacturing
   b. Proposal retains CEC Interface Definition effort for interface documentation (ICD/IDD)
   c. Proposal includes quarter-time LOE coordination task with Navy CFOI Team from 1 February 2008 thru 23 December 2009.
   d. Proposal includes costs to prepare and negotiate this De-scope Proposal

3. Proposal cost assumes Government responsibility to ensure that JLENS-unique requirements are incorporated in the CEC PIDS Annex for the [Redacted]. The key requirements, as documented in the CPG PDRR Presentation Material are:

4. The CFOI will be included with the CEC subsystem in the contract Government Furnished Equipment List.

5. Proposal cost assume the portions of the Raytheon Tech Proposal, incorporated into the Contract by reference, that speak to CFOI development by Raytheon IDS and CEC subsystem integration by Raytheon IDS shall be identified by Raytheon IDS and shall be modified accordingly or deleted by Raytheon IDS as follows:

00146e2
a) Figure 6-1 Communication Subsystem Block Diagram and Figure 6-6 Concentrator Block Diagram will be updated to reflect the [redacted] (b)(4).

b) Figure 6-2 COMMS Airborne Weight and Power will be updated to reflect the addition of the CEC AFOI unless this is integrated into the Antenna Assembly.

6. Proposal cost assumes that the CEC subsystem (including the CFO1) being provided as GFE shall be fully integrated and tested by the GFE provider prior to delivery to the Raytheon IDS.

7. Proposal costs assume that the CEC reliability including the CF01, meets the CEC Specifications. It is further assumed that the CEC, including the CF01, is not considered part of the JLSENS Airborne Mean-Time Between System Abort (MTBSA) calculations and is not considered a mission critical function which is in agreement with MIS-PRF-55628, dated 1 Nov 2006.
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### AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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<td>5. PROJECT NO (Inapplicable)</td>
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4. ISSUED BY

- CODE: W9113Y
- US ARMY SPACE & MISSILE DEFENSE COMMAND
- SMDC-RDC
- FORT WORTH
- HUNTVALLE, TX 76107-9001

7. ADMINISTERED BY (Other than item 6)

- DCMA RAYTHEON
- BAPPLEHILL DRIVE
- WESTBURY NY 11590

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

- RAYTHEON COMPANY
- 3GOLDMIL
- 9R
- DATED (SEE ITEM II)

- ANOON MA 01878

11. FACILITY CODE

- CODE: 05716

12. ACCOUNTING AND APPROPRIATION DATA (If required)

- See Schedule

13. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer(s) is extended, ☐ is not extended

- Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
- (a) By completing items 8 and 15, and returning ____ copies of amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment number. FAILURE TO ACKNOWLEDGE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If you wish this amendment, you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- Modification Control Number: [Blank]

- Due to a Standard Procurement System defect, the date shown in Block 10B of the SF30 may be inaccurate. The date should be 30 January 1998.

- The purpose of this modification is to incrementally fund CLIN 0021/AA in the amount of $20,000, CLIN 0021AB in the amount of $125,078, and CLIN 0021AC in the amount of $38,508.

15A. NAME AND TITLE OF SIGNER (Type or print)

- 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

- 15C. DATE SIGNED

- 16C. DATE SIGNED

- 30-105-04

- 24-Apr-2008

- STANDARD FORM 30 (Rev. 10-8: 001449

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*Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as hereinafter changed, remain unchanged and in full force and effect.*
SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by $183,586.00 from $1,670,270,548.00 to $1,670,454,134.00.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0021AA
  The estimated/max cost has increased by
  The fixed fee has increased by
  The cost constraint NTE has been added.
  The total cost of this line item has increased by $20,000.00 from UNDEFINED to $20,000.00.

SUBCLIN 0021AB
  The estimated/max cost has increased by
  The fixed fee has increased by
  The total cost of this line item has increased by $125,078.00 from $37,422.00 to $162,500.00.

SUBCLIN 0021AC
  The cost constraint NTE has been added.
  The total cost of this line item has increased by

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ESTIMATED COST                     FIXED FEE
TOTAL EST COST + FEE

ACRN KX
CIN: 000000000000000000000000000000000000000000

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<td></td>
</tr>
<tr>
<td>ACRN LB</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$12,500.00</td>
</tr>
<tr>
<td>CIN:</td>
<td>0000000000000000000000000000000000000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION G - CONTRACT ADMINISTRATION DATA

001471
Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $183,586.00 from $827,135,639.52 to $827,319,225.52.

SUBCLIN 002101:
Funding on SUBCLIN 002101 is initiated as follows:

ACRN: KX
CIN: 00000000000000000000000000000000
Acctng Data: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR: 040933 PSR: E56754 DSR: 278959 F67100
Increase: $60,000.00
Total: $60,000.00

SUBCLIN 002102:
Funding on SUBCLIN 002102 is initiated as follows:

ACRN: KY
CIN: 00000000000000000000000000000000
Acctng Data: 9780400 2520 8 BM QMDC 40603904C00 255X MD8Y122B0P2984 820382 S12135
Increase: $25,000.00
Total: $25,000.00

SUBCLIN 002103:
Funding on SUBCLIN 002103 is initiated as follows:

ACRN: LA
CIN: 00000000000000000000000000000000
Acctng Data: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J730400 S01021
Increase: $13,508.00
Total: $13,508.00

THIS $60,000 INCREASES THE NTE FOR SUBCLIN 002101 FROM $37,422 TO $97,422.

THIS $25,000 INCREASES THE NTE FOR SUBCLIN 002102 FROM $97,422 TO $122,422.

SUBCLIN 002103, ACRN LA: $13,508 is provided to fund SUBCLIN 0021AC and is a Not-to-Exceed (NTE) amount for Simulation Support tasks.
SUBCLIN 002104:
Funding on SUBCLIN 002104 is initiated as follows:

ACRN: LB
CIN: 000000000000000000000000000000

Acctng Data: 9780400 1202 188 JT01 606051 600008 59233 65126 J 667100 FSR: 040933 PSR: 110286 DSR: 431707 F67100

Increase: $12,500.00
Total: $12,500.00

SUBCLIN 002104, ACRN LB: $12,500 is provided to fund SUBCLIN 0021AB and is a Not-to-Exceed (NTE) amount for _____________. This $12,500 increases the NTE for SUBCLIN 0021AB from $122,422 to $134,922. (b)(3)(A)

SUBCLIN 0021AA:

KW: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8719900 S01021 (CIN 0000000000000000000000000000000000000000000000000) was increased by $20,000.00 from $0.00 to $20,000.00.
The contract ACRN KW has been added.
The CIN 0000000000000000000000000000000000000000000000000 has been added.

SUBCLIN 0021AA, ACRN KW: $20,000 is provided to fund SUBCLIN 0021AA and is a Not-to-Exceed (NTE) amount for _____________. (b)(3)(A)

SUBCLIN 0021AB:

KV: 9780400 1202 188 JT01 606051 600008 59233 65126 J 667100 FSR: 040933 PSR: 110286 DSR: 363222 F67100 (CIN 0000000000000000000000000000000000000000000000000) was increased by $27,578.00 from $37,422.00 to $65,000.00.

SUBCLIN 0021AB, ACRN KV: $27,578 is provided to fund SUBCLIN 0021AB and is a Not-to-Exceed (NTE) amount for _____________. This $27,578 increases the NTE for SUBCLIN 0021AB from $134,422 to $162,500. (b)(3)(A)

SUBCLIN 0021AC:

KZ: 21 8 2040 0000 5L 5L68 172419E555L 255Y 4M8719200 S01021 (CIN 0000000000000000000000000000000000000000000000000) was increased by $25,000.00 from $0.00 to $25,000.00.
The contract ACRN KZ has been added.
The CIN 0000000000000000000000000000000000000000000000000 has been added.

SUBCLIN 0021AC, ACRN KZ: $25,000 is provided to fund SUBCLIN 0021AC and is a Not-to-Exceed (NTE) amount to perform the following task: Install _____________. The necessary COTS hardware and software licenses have already been procured and will be shipped from Ft. Bliss to Raytheon for the initial installation. After the installation of the hardware is completed, Raytheon will ship the equipment back to Ft. Bliss and provide the training. (b)(3)(A)

(End of Summary of Changes)
SUMMARY OF CHANGES

SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by $200,000.00.

The following have been added by full text:

**PURPOSE**

In addition to incremental funding in the amount of $7,938,200, SubCLIN 0017AA is hereby modified to provide additional funding in the amount of $200,000 to conduct a study in accordance with SW-JLENS-SDD-2006, paragraph 3.4 and to provide a reasonable assessment under the trade study of JLENS.

The results of the study are due by September 15, 2008. Total cost of the study shall not exceed a total amount of $200,000.

The trade study shall address the following areas:

1.1 **Objectives**

The objective of this effort is to provide a technical assessment (study) of JLENS. This study will assess the technical feasibility to determine where capabilities exist and provide suggested operational concepts that could be employed with minimum discretion to the planned JLENS mission. The contractor shall reference the study on JLENS, and the Statement of Objectives.

1.2 **Scope**

The requirements to meet the objectives are defined below.

1.2.1 **Demonstration, Program Planning and Execution**

The contractor shall plan, staff and assess the technical feasibility of the JLENS system to assess whether a

This assessment may entail exploitation of data available to JLENS prior to and/or after an intercept. The contractor shall determine if JLENS has the capability to

The contractor shall outline the contribution JLENS makes

1.3 **Meetings and Reports**

The contractor shall provide a study report in contractor format that addresses each of the areas requested in paragraph 1.2.1. An initial, midpoint and final meeting will be held with appropriate government agencies. Study progress will be reviewed during the weekly systems engineering IPT/CPT meetings.

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AA

The target cost has increased by $200,000.

The target profit/fee has increased by $200,000.00.

The total cost of this line item has increased by $200,000.00.

This includes a target cost of $200,000.00 and a target
incentive fee of (b)(4) and a target incentive fee of target cost less facilities capital cost of money. (b)(4)

SECTION G - CONTRACT ADMINISTRATION DATA
Accounting and Appropriation
Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $8,138,200.00.

SUBCLIN 0017AA:

KT: 21 8 2040 5L 5L68 P172419E555L 255Y 4MJ710600 S01021 4MJ710600/84Mlle/4M5 was increased by $7,938,200.00 from $372,321,000.00 to $380,259,200.00

LC: 9780400.2620 1000 B63D 253999 BD26064000 S49012 was increased by $200,000.00 from $0.00 to $200,000.00

The contract ACRN LC has been added.

Target Cost, Target Fee, and Total for the above $8,138,200 is distributed as follows and includes a target cost of

<table>
<thead>
<tr>
<th>Target Cost</th>
<th>(b)(4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
</tr>
</tbody>
</table>

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b)(3)(A)</td>
<td>March 08</td>
<td>1</td>
</tr>
</tbody>
</table>

(End of Summary of Changes)
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 700157

3. EFFECTIVE DATE 12JUN08

4. REQUISITION/PURCHASE REQ. NO. W0113M

5. CONTRACT CODE V

6. ISSUED BY US ARMY SPACE & MISSILE DEFENSE COMMAND

7. ADMINISTERED BY DCMR/RAYTHEON

USMC RAYTHEON

PO BOX 1900

SHAPPEE HILL DRIVE

HUNTSVILLE, AL 35807-3901

MS 27, 782

TEMSKURY, MA 01876

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)

RAYTHEON COMPANY

300 LOWELL ST.

ANDOVER, MA 01810-4403

9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11)

10A. MOD. OF CONTRACT/ORDER NO. DASG06-98-C-0001

10B. DATED (SEE ITEM 13) X 10-JAN-1998

FACILITY CODE 05716

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer is extended. ☐ is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

(a) by completing Items 8 and 15, and returning copies of the amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. By virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

☐ A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

☐ B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

☐ C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-2, Changes-Cost Reimbursement and FAR 52.232-2, "Limitation of Funds"

☐ D. OTHER (Specify type of modification and authority)

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Modification Control Number: 700157

To incrementally fund SubClin 0017AA in the amount of $2,600,000; To increase and fund SubClin 0017AA in the amount of $7,943,648 for the purchase of three (3) unknown servers and one (1) unknown processor representing the FCDAPOP, the Sur DP and Sur SDP. The $7,943,648 increase includes the purchase of three (3) additional years of hardware and one (1) additional year of software maintenance. The three (3) servers and one (1) processor shall be drop shipped to AMFDEC at Redstone Arsenal, Alabama, no later than 31 October 2008.

15C. DATE SIGNED 6-12-08

(Contracting Officer)

16C. DATE SIGNED 12-JUN-08

STANDARD FORM 30 (Rev. 10-83)

PRESCRIBED BY Office

FAR (48 CFR) 52.243-2

00 1477
SUMMARY OF CHANGES

1. SECTION A - SOLICITATION/CONTRACT FORM

The total contract value was increased by $7,943,648.00 from $1,642,532,739.00 to $1,650,476,387.00.

2. SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 0017AA

- The target cost has increased by $7,943,648.00 from $1,642,532,739.00 to $1,650,476,387.00.
- The total cost of this line item has increased by $7,943,648.00 from $1,427,412,605.00 to $1,435,356,253.00.

This includes a target cost (the sum of cost and facilities capital cost of money) and a target fee (which is the target cost less facilities capital cost of money).

The following Section B clauses are hereby revised:

B-17. INCENTIVE FEE FOR SUBCLIN 0017AA/CLIN 0018 (SEE H-19):

In accordance with FAR 52.216-7, entitled “Allowable Cost and Payments”, and FAR 52.216-10, entitled “Incentive Fee”, the total amount for reimbursement of cost and fee for performance under SubCLIN 0017AA/CLIN 0018 are set forth below:

<table>
<thead>
<tr>
<th>Target Cost</th>
<th>Target Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Incentive Arrangement: Maximum Fee: [Redacted]
Minimum Fee: [Redacted]

(Share Ratio: Government/Contractor)

Underrun: [Redacted] for the amount by which the total allowable cost is less than the target cost until maximum fee is attained.

Overrun: [Redacted] for the amount by which the total allowable cost exceeds the target cost until minimum fee is attained.

FAR 52.216-10, INCENTIVE, paragraph (e)(1), is stated as follows:

(1) The fee payable under this contract shall be the target fee increased by [Redacted] for every dollar that the total allowable cost is less than the target cost or decreased by [Redacted] for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than [Redacted] or less than [Redacted] the target cost.

B-18. TARGET COST, TARGET FEE, MINIMUM INCENTIVE FEE, MAXIMUM INCENTIVE FEE, AND INCENTIVE ARRANGEMENT FOR SUBCLIN 0017AA/CLIN 0018:

001478
3. SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $10,543,648.00.

KT: 21 8 2040 5L SL68 P172419E555L 255Y 4M8J10600 S01021 4M8J710600/84MJLE/4M5 was increased by $2,600,000.00 from $380,259,200.00 to $382,859,200.00

LD: 21 8 2040 5L SL68 P172419E555L 255Y 4M8J731700 S01021 4M8J731700/84MJLE/4M5 was increased by $7,943,648.00 from $0.00 to $7,943,648.00

The contract ACRN LD has been added.

Target Cost, Target Fee, and Total for the above $10,543,648 is distributed as follows and includes a target cost of (capital cost and facilities capital cost of money) and a target incentive fee of target cost less facilities capital cost of money.

<table>
<thead>
<tr>
<th>Target Cost</th>
<th>Target Fee</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>$10,543,648</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Paragraph G-6, IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS, subparagraph c., is revised to read as follows:

SUBCLIN 0017AA :

<table>
<thead>
<tr>
<th>Description</th>
<th>PRIOR</th>
<th>MODIFICATION</th>
<th>CUMULATIVE TOTAL*</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) Amount Required for Full Funding, Including Fee:</td>
<td>$1,427,412,605</td>
<td>$7,943,648</td>
<td>$1,435,356,253</td>
</tr>
<tr>
<td>(2) Amount Alotted Under the LOF Clause for Payment of Costs:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3) Amount Separately Obligated for Payment of Fee:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4) Total Amount Alotted and Obligated:</td>
<td>$665,221,044</td>
<td>$10,543,648</td>
<td>$675,764,692</td>
</tr>
<tr>
<td>(5) Net Amount Required for Full Funding</td>
<td>$762,191,561</td>
<td>($2,600,000)</td>
<td>$759,591,561</td>
</tr>
</tbody>
</table>

* These figures take into consideration the negotiated total value of SubCLIN 0017AA (This does not include SubCLIN 17Af).
4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

Paragraph H-10, INCREMENTAL FUNDING OF THE CONTRACT, subparagraph c., is revised as follows:

   c. Pursuant to the LIMITATION OF FUNDS clause, the sum of $675,764,692 is presently allotted to CLIN 0017AA and available for payment to cover the work to be performed hereunder.

Paragraph H-19, INCENTIVE FEE STRUCTURE AND PAYMENT FOR CLIN 0017, SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD), subparagraphs a. and b., are revised as follows:

   a. General.

SubCLIN 0017AA, System Development and Demonstration (SDD), is a cost-plus-incentive-fee (CPIF) Line Item with cost and schedule incentives as described below. Paragraph H-19(b) applies only to the Cost Incentive and Paragraph H-19(c) applies only to the Schedule Incentive. The contract price amount of $1,435,356,253 includes a target cost of $1,435,356,253 (which includes the target cost of $675,764,692 and facilities capital cost of money) and a target incentive fee of $759,591,561, which is 5% of target cost less facilities capital cost of money.

   b. Cost Incentive.

(1) The target fee payable under SubCLIN 0017AA is an amount equal to the target cost less facilities capital cost of money.

(2) The maximum fee payable under SubCLIN 0017AA is an amount equal to the target cost less facilities capital cost of money.

(3) The minimum fee payable under SubCLIN 0017AA is an amount equal to the target cost less facilities capital cost of money.

(4) Fee will be adjusted for actual cost that is less than or more than the target cost stated above using a share ratio for Government contractor for actual costs less than the target cost, and a ratio of for actual costs greater than the target cost range applied according to Paragraph H-19(c)(2).

(5) Nothing stated in this clause shall take precedence over the clause 52.216-10 - Incentive Fee contained in this contract.

(End of Summary of Changes)
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: [Specify authority] THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/OFFER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

AP 21.233-22, "Limitation of Fund".

D. OTHER [Specify type of modification and authority]

E. IMPORTANT: Contractor [ ] is not, [X] is required to sign this document and return 1 copy to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION [Organized by U.S. nation heading, including modification/contract subject matter where applicable]

Modification Control Number: [Redacted]

To incrementally fund SubC/LIN 0017AA in the not-to-exceed amount of $1,173,800 for effort related to the JLHES Integrated Fire Control Demonstration Program. Upon formalization of the pending change order related to this effort, funds will be transferred to a new CLIN.

Exception TO IF 30
SIGNED BY OIRM 11-84

STANDARD FORM 20 (Rev. 10-83)
Prepared by USA
FAR (48 CFR) 52.245
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount and the total contract value for this document was increased by $1,173,850.00.*

SUBCLIN 0017AA:

LE: 2182040 5L5L68 P172419E555L 255Y 4M8J731500 S01021 4M8J731500/84MJLE/4M5 was increased by $1,173,850.00* from $0.00 to $1,173,850.00

The contract ACRN LE has been added.

*This not-to-exceed amount is funding for effort related to the JLENS Integrated Fire Control Demonstration Program. Upon definitization of the pending change order related to this effort, funds will be transferred to a new CLIN.

(End of Summary of Changes)
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION NO.  P00159
2. EFFECTIVE DATE 01 JUL 08
3. INQUIRY/PURCHASE REQ. NO. (If applicable)
4. CONTRACTED CODE V
5. PAGE OF PAGES 1
6. ISSUED BY CODES
   US ARMY SPACE & MISSILE DEFENSE COMMAND
   PO BOX 8000
   HUNTSVILLE AL 35810-0001
7. ADMINISTERED BY (Either line must be completed)
   CODE 62208A
   DOMA RAYTHEON
   491 APPLE HILL DRIVE
   MOS 21951
   TRANSMILK AFB
8. NAME AND ADDRESS OF CONTRACTOR (See Item 11)
   RAYTHEON COMPANY
   MDU WAREHOUSE
   APO AFB MD 21601-3000
9. AMENDMENT OF SOLICITATION NO.
10. MOD. OF CONTRACT/ORDER NO.  D3-6456-01-0002
11. DATED (SEE ITEM 13) 30-JUN-1998
12. AMOUNT OF SOLICITATION MODIFICATION

13. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer:
- is extended,
- is not extended.

Offers must acknowledge receipt of amendment prior to the hour and date specified in the solicitation or as amended by one or more of the following methods:
(a) By completing Items 8 and 15, and returning ___ copies of this amendment;
(b) By acknowledging receipt of amendment on each copy of offer submitted;
(c) By return letter or telegraph which includes a reference to the solicitation and amendment number.

Failure of your acknowledgment to be received at the place designated for this receipt of offer prior to the hour and date specified may result in rejection of your offer. Any changes in this amendment are to be made on offer already submitted and are not to be made by telegraph or letter. Provided such telegraph or letter reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

14. AMOUNT OF SOLICITATION MODIFICATION

(Amounts are required to be shown to the nearest dollar.)

MODIFICATION CONTROL NUMBER: 53.243

To add DFARS clause 292.104-7002

15. DESCRIPTION OF AMENDMENT/MODIFICATION

(Specify type of modification and authority)

16. EXCHANGE OF OFFERS CONSENT TO MODIFICATION

(Consent or dissent must be signed by authorized official)

EXCHANGE OF OFFERS CONSENT TO MODIFICATION

(Authorized official)

17. DATED 01 JUL 08

APPROVED BY OFFICE

STANDARD FORM 30 (Rev. 10-92)
Prescribed by GSA
FAR (48 CFR) 52.243

001484
SUMMARY OF CHANGES

SECTION I - CONTRACT CLAUSES

The following have been added by reference:

252.204-7005    Oral Attestation of Security Responsibilities    NOV 2001

(End of Summary of Changes)
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION NO. P00160
2. EFFECTIVE DATE 09 JUL 08
3. REQUISITION/PURCHASE REQ. NO.
4. PROJECT NO (Applicable)

AMENDMENT/CHANGE MODIFIED BY CODE W911S4
AMENDMENT/CHANGE MODIFIED BY CODE S2205A

5. AMENDED BY
6. AMENDED BY

3. AMENDMENT/MODIFICATION NO. 09 JUL 08
7. AMENDED BY (Other than item 6)

RAYS.HEEH COMPANY NORTHEAST ST.
ANDOVER MA 01810-4500

2. NAME AND ADDRESS OF CONTRACTOR

CODE 05716

8. NAME AND ADDRESS OF CONTRACTOR

FACILITY CODE

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 14)

10A. MOD. OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13)

30-JUL-1998

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS


12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTORDERS

IT MODIFIES THE CONTRACT ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER (Specify type of modification and authority)

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UC section headings, including solicitation/contract subject matter

where feasible.)

MODIFICATION CONTROL NUMBER

Due to a Standard Procurement System error, the data shown in the Block 108 may be inaccurate. The date should read 30 January 1999.

This modification is to correct and clarify actions on Modifications P00132, P00134, P00141, and P00165. No additional funding has been provided.

Signature of person authorized to sign

15A. DATE SIGNED 7-9-08

15B. DATE SIGNED

16A. DATE SIGNED 9 JUL 08

16B. DATE SIGNED

STANDARD FORM 30 (REV. 10-99)

Prepared by: OMB
FAR (48 CFR) 30.243

\(001486\)
The following items are applicable to this modification:

**NARRATIVE**

1. Modification P00132 is hereby corrected as follows:

Funding in the amount of $144,293,000 is transferred from CLIN 0017, ACRN KM, to SUBCLIN 0017AA, ACRN KM.

Pursuant to the LIMITATION OF FUNDS clause, the sum of $192,793,000 is presently allotted to SUBCLIN 0017AA, ACRN KM.

2. Modifications P00134 and P00141 are hereby corrected as follows:

Modification P00134 – Increased SUBCLIN 0020AA, ACRN KN, by a NTE amount of $28,342. SUBCLIN 0020AA was correct but the ACRN should have been ACRN KQ instead of ACRN KN. The action from Modification P00134 was definitized in Modification P00138 for $26,660. The ACRN error was corrected in Modification P00138; however, it did not appear in the text of the modification. The correct CLIN, ACRN, and amount are as follows: SUBCLIN 0020AA, ACRN KQ, $26,660. The original $28,342 obligated to SUBCLIN 0020AA, ACRN KN, is decreased.

Modification P00141 – Incorrectly decreased $28,342 from SUBCLIN 0017AA, ACRN KN. SUBCLIN 0017AA, ACRN KN, is increased in the amount of $28,342 to correct this error.

In summary, the total value of SUBCLIN 0020AA, ACRN KN, is $0.00; the total value of SUBCLIN 0020AA, ACRN KQ, is $26,660.00; and the total value of SUBCLIN 0017AA, ACRN KN, is $0.00.

3. Pursuant to the LIMITATION OF FUNDS clause, the sum of $676,966,884 is presently allotted to SUBCLIN 0017 AA and available for payment to cover work to be performed hereunder. This amount does not include SUBCLIN 0017AH.

4. Modification P00155 is hereby corrected as follows:

SUBCLIN 002101, ACRN KX, for $60,000 is decreased and funds are transferred to SUBCLIN 002301, ACRN KX. The funds transferred are to support the SUBCLIN 002101 is deleted.

SUBCLIN 002102, ACRN KY, for $25,000 is decreased and funds are transferred to SUBCLIN 002302, ACRN KY. The funds transferred are to support the SUBCLIN 002102 is deleted.

SUBCLIN 002103, ACRN LA, for $13,508 is decreased and funds are transferred to SUBCLIN 002401, ACRN LA. The funds transferred are for the Simulation Support task. SUBCLIN 002103 is deleted.

SUBCLIN 002104, ACRN LB, for $12,500 is decreased and funds are transferred to SUBCLIN 002303, ACRN LB. The funds transferred are to support the SUBCLIN 002104 is deleted.

SUBCLIN 002105, ACRN LW, for $20,000 is decreased and funds are transferred to SUBCLIN 002201, ACRN LW. The funds transferred are for the Simulation Support task. SUBCLIN 002105 is deleted.

SUBCLIN 002106, ACRN KA, for $25,000 is decreased and funds are transferred to SUBCLIN 002402, ACRN KA. The funds transferred are for the Simulation Support task. SUBCLIN 002106 is deleted.
The task description for SUBCLIN 0021AC, ACRN KZ, in the amount of $25,000 now applies to SUBCLIN 002402, ACRN KZ. The contract type for SUBCLIN 002402 is cost-plus-fixed-fee.

Pursuant to the LIMITATION OF FUNDS clause, the sum of $20,000 is presently allotted to SUBCLIN 002201; the sum of $65,000 is presently allotted to SUBCLIN 002304; the sum of $25,000 is presently allotted to SUBCLIN 002402; the sum of $60,000 is presently allotted to SUBCLIN 002301; the sum of $25,000 is presently allotted to SUBCLIN 002302; the sum of $13,508 is presently allotted to SUBCLIN 002401; and the sum of $12,500 is presently allotted to SUBCLIN 002303. All amounts are available for payment to cover work performed in accordance with each individual SUBCLIN.

5. The total contract value is $1,651,650,237.

SUMMARY OF CHANGES

SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002101 is hereby deleted and replaced with SUBCLIN 002301.

SUBCLIN 002102 is hereby deleted and replaced with SUBCLIN 002302.

SUBCLIN 002103 is hereby deleted and replaced with SUBCLIN 002401.

SUBCLIN 002104 is hereby deleted and replaced with SUBCLIN 002303.

SUBCLIN 0021AA is hereby deleted and replaced with SUBCLIN 002201.

SUBCLIN 0021AB is hereby deleted and replaced with SUBCLIN 002304.

SUBCLIN 0021AC is hereby deleted and replaced with SUBCLIN 002402.

CLIN 0022 is added as follows:

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0022</td>
<td>CPFF</td>
<td></td>
<td></td>
<td></td>
<td>(b)(3)(A)(i)&amp;Title 10 Sec 130 (a)(b)</td>
</tr>
</tbody>
</table>

Per mutual agreement, the [REDACTED] has been deleted. Funding provided in SUBCLIN 002201 is for reimbursement of proposal preparation costs only.

FOB: Destination

<table>
<thead>
<tr>
<th>ESTIMATED COST</th>
<th>FIXED FEE</th>
<th>TOTAL EST COST + FEE</th>
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</thead>
<tbody>
<tr>
<td>$0.00</td>
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<td>$0.00</td>
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SUBCLIN 002201 is added as follows:

001488
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<th>ITEM NO</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>002201</td>
<td>Funding for CLIN 0022,</td>
<td>Preparation Costs</td>
<td>(b)(3)(A)(i)&amp;Title 10 Sec 130 (a)(b)</td>
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<td></td>
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<td></td>
<td>CPFF</td>
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<td></td>
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<td>$20,000.00</td>
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<td></td>
<td>FOB: Destination</td>
<td></td>
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<td>$20,000.00</td>
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ACRN KW
CIN: 000000000000000000000000000000

CLIN 0023 is added as follows:

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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
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<tr>
<td>0023</td>
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<td>$0.00</td>
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ACRN KX
CIN: 000000000000000000000000000000

SUBCLIN 002301 is added as follows:

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<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>002301</td>
<td>Funding for CLIN 0023</td>
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<td>$60,000.00</td>
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<td>CPFF</td>
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<td>$60,000.00</td>
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ACRN KX
CIN: 000000000000000000000000000000

001489
### SUBCLIN 002302

<table>
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<tr>
<th>ITEM NO 002302</th>
<th>SUPPLIES/SERVICES</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding for CLIN 0023, CPFF</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOB: Destination</td>
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**ACRN KY**
CIN: 000000000000000000000000000000

### SUBCLIN 002303

<table>
<thead>
<tr>
<th>ITEM NO 002303</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding for CLIN 0023, CPFF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FOB: Destination</td>
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</tr>
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**ACRN LB**
CIN: 000000000000000000000000000000

### SUBCLIN 002304

<table>
<thead>
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<th>ITEM NO 002304</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding for CLIN 0023, CPFF</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>FOB: Destination</td>
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**ACRN KV**
CIN: 000000000000000000000000000000

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001490
CLIN 0024 is added as follows:

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<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
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<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>0024</td>
<td>Simulation Support Task</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CPFF
Contractor shall provide simulation integration and operational support to exercises, events, and/or analysis efforts. A full description of the required task is included in the SOW attached in Section J.

FOB: Destination

| ESTIMATED COST | $0.00 |
| FIXED FEE      | $0.00 |
| TOTAL EST COST + FEE | $0.00 |

SUBCLIN 002401 is added as follows:

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<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>002401</td>
<td>Funding for CLIN 0024, Simulation Support Task</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CPFF

FOB: Destination

| ESTIMATED COST | (b)(4) |
| FIXED FEE      |       |
| TOTAL EST COST + FEE | $13,508.00 |

ACRN LA
CIN: 000000000000000000000000000000

SUBCLIN 002402 is added as follows:

<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>002402</td>
<td>Funding for CLIN 0024, Simulation Support Task</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CPFF

FOB: Destination

| ESTIMATED COST | (b)(4) |
| FIXED FEE      |       |
| TOTAL EST COST + FEE | $25,000.00 |

ACRN KZ
CIN: 000000000000000000000000000000

001491
SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

CLIN 0017:

KM: 21 7 2040 5L 5L68 P17419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was decreased by $144,293,000.00 to a new corrected value of $0.00.

SUBCLIN 0017AA:

KM: 21 7 2040 5L 5L68 P17419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was increased by $144,293,000.00 to a new corrected value of $192,793,000.00.

Pursuant to the LIMITATION OF FUNDS clause, the sum of $192,793,000 is presently allotted to SUBCLIN 0017AA, ACRN KM.

KN: 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was increased by $28,342.00 to a new corrected value of $0.00.

SUBCLIN 0020AA:

KN: 21 7 2040 5L 5L68 P172419E555L 255Y 4M7J730000 S01021 4M7J730000/74MJLE/4M was decreased by $28,342.00 to a new corrected value of $0.00.

SUBCLIN 002101:

KN: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR: 040933 PSR: E56754 DSR: 278959 F67100 (CIN 000000000000000000000000000000) was decreased by $60,000.00 from $60,000.00 to $0.00

SUBCLIN 002102:

KY: 9780400 2520 8 BM QMDC 40603904C00 255X MD8Y122B02984 820382 S12135 (CIN 000000000000000000000000000000) was decreased by $25,000.00 from $25,000.00 to $0.00

SUBCLIN 002103:

LA: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J730400 S01021 (CIN 000000000000000000000000000000) was decreased by $13,508.00 from $13,508.00 to $0.00

SUBCLIN 002104:

LB: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR: 040933 PSR: 110286 DSR: 431707 F67100 (CIN 000000000000000000000000000000) was decreased by $12,500.00 from $12,500.00 to $0.00

SUBCLIN 0021AA:

KW: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J719900 S01021 (CIN 000000000000000000000000000000) was decreased by $20,000.00 from $20,000.00 to $0.00
SUBCLIN 0021AB:

KV: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR: 040933 PSR: 110286 DSR: 363222
F67100 (CIN 00000000000000000000000000000000000000) was decreased by $65,000.00 from $65,000.00 to $0.00

SUBCLIN 0021AC:

KZ: 21 8 2040 0000 5L 5L68 172419E555L 255Y 4M8J719200 S01021 (CIN 00000000000000000000000000000000000000) was decreased by $25,000.00 from $25,000.00 to $0.00

SUBCLIN 002201:

Funding on SUBCLIN 002201 is initiated as follows:

ACRN: KW
CIN: 00000000000000000000000000000000000000
Acctng Data: 21 8 2040 5L 5L68 P172419E555L 255Y 4M8J719900 S01021
Increase: $20,000.00
Total: $20,000.00

SUBCLIN 002301:

Funding on SUBCLIN 002301 is initiated as follows:

ACRN: KX
CIN: 00000000000000000000000000000000000000
Acctng Data: 9780400 1202 188 JT01 606051 600008 59233 65126J 667100 FSR: 040933 PSR: E56754 DSR: 278959 F67100
Increase: $60,000.00
Total: $60,000.00

SUBCLIN 002302:

Funding on SUBCLIN 002302 is initiated as follows:

ACRN: KY
CIN: 00000000000000000000000000000000000000
Acctng Data: 9780400 2520 8 BM QMDC 40603904C00 255X MD8Y122B0P2984 820382 S12135
Increase: $25,000.00
Total: $25,000.00

SUBCLIN 002303:

Funding on SUBCLIN 002303 is initiated as follows:

ACRN: LB

001493
SUBCLIN 002304:
Funding on SUBCLIN 002304 is initiated as follows:

ACRN: KV
CIN: 00000000000000000000000000000000

Increase: $12,500.00
Total: $12,500.00

SUBCLIN 002401:
Funding on SUBCLIN 002401 is initiated as follows:

ACRN: LA
CIN: 00000000000000000000000000000000

Increase: $13,508.00
Total: $13,508.00

SUBCLIN 002402:
Funding on SUBCLIN 002402 is initiated as follows:

ACRN: KZ
CIN: 00000000000000000000000000000000

Increase: $25,000.00
Total: $25,000.00

(End of Summary of Changes)
Section J – P00160

JLENS Simulation Support
28 January 2008

Scope of Work

1) Proposal preparation only. (b)(3)(A)

2) The contractor shall provide simulation development, integration, and operational support to the... (b)(3)(A)

This work supports the evaluation of advanced concepts for cruise missile defense, including integrated fire control (IFC), single integrated air picture (SIAP) and... The contractor shall utilize previously provided simulation hardware (workstations) and provide and maintain the simulation software during the five day exercises, and provide a single operator. The contractor shall provide additional data logging capability as defined by the... The contractor shall provide input of scenario specifics and operation of the models and simulations during exercises and tests.

Labor (technical only): (b)(4)

Travel: 8 trips – 1 workweek, 1 person each (Andover – St. Louis)

Material: $19k Software Maintenance, $15k Hardware Maintenance

Travel Detail:

Feb 08 associate integration - 1 trip, 1 workweek, 1 person
Mar 08 exercise - 1 trip, 1 workweek, 1 person
May 08 associate integration - 1 trip, 1 workweek, 1 person
Jun 08 exercise - 1 trip, 1 workweek, 1 person
Aug 08 associate integration - 1 trip, 1 workweek, 1 person
Sept 08 exercise - 1 trip, 1 workweek, 1 person
* Nov 08 associate integration - 1 trip, 1 workweek, 1 person
* Dec 08 exercise - 1 trip, 1 workweek, 1 person

* Subject to cancellation

3) Simulation Support Task

The contractor shall provide simulation integration and operational support to exercises, events, and/or analysis efforts. The contractor shall procure, install and integrate JLENS simulation software and hardware (workstations) as required to simulate JLENS performance. The contractor shall assess the need for and provide
Simulation Support Task (continued)

software modifications as necessary to support the effort. For each effort, the contractor shall provide operator/technical support for integration and events as required. The contractor operators shall be capable of providing diagnostic technical support and operator training for the duration of each exercise. For each effort, the contractor shall deliver a trip report in contractor format, and, unless security limitations prevent data from being provided, the contractor shall also deliver test data recordings in contractor format.

Labor: [Redacted] (b)4
Travel: 5 trips – 1 workweek, 1 person each
Material: $15k for each hardware/software installation
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. POOK/1
3. EFFECTIVE DATE 15 Jul 08
4. REQUISITION/PURCHASE REQ. NO. S9113M
5. PROJECT NO. (Applicable) S220A

6. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) PAYNE COMPANY BROWNELL RD, ANCASTER, MA 03106-3830

7. ADMINISTERED BY (Other than item 6) GSA-PAYNE

8. ADMINISTRATION CODES

9. AMENDMENT OF SOLICITATION NO.

10A. MOD. OF CONTRACT/ORDER NO. D46C08-98-C-0001

10B. DATED (SEE ITEM 11) 30-Jan-1998

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ is extended, ☐ is not extended.

☐ Offer must acknowledge receipt of this amendment prior to the hour and date specified for receipt of offer.

☐ Offer must acknowledge receipt of this amendment prior to the hour and date specified for receipt of offer. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. Any change to this amendment you desire to make in offer already submitted, such change may be made by telegram or letter, provided such telegram or letter is acknowledged by the contractor, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT OR ORDERS.

☐ IT MODIFIES THE CONTRACT OR ORDER NO. AS DESCRIBED IN ITEM 14.

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT OR ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

FAR 82.232-22, "Limitation of Funds" and Mutual Agreement

D. OTHER (Specify type of modification and authority)

F. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copy to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Modification(s) in Section:

To incrementally fund SubClaUS 0017/A in the amount of $1,000,000 and to incorporate a revision, at no additional cost to the government, to Contract Data Requirements List (CDRL) 8035, Suffix M Design Description.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remain unchanged and in full force and effect.

EXCEPTION TO DP 30 MOVED BY OIRM 11-44

30-105-04

STANDARD FORM 30 (Rev. 10-83)
Prepared by GSA
FAR (48 CFR) 52.243

001497
SUMMARY OF CHANGES

SECTION G - CONTRACT ADMINISTRATION DATA

Accounting and Appropriation

Summary for the Payment Office

As a result of this modification, the total funded amount for this document was increased by $1,600,000.00.

SUBCLIN 0017AA:

KT: 21 8 2040 5L 5L68 P172419E555L 255Y 4MBJ710600 S01021 4MBJ710600/84MILE/4M5 was increased by $1,600,000.00 from $382,859,200.00 to $384,459,200.00

Target Cost, Target Fee, and Total for the above $1,600,000 is distributed as follows:

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<th>Prior</th>
<th>Modification</th>
<th>Cumulative Total*</th>
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<td>$1,436,530,103</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>(b)(4)</td>
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</tr>
</tbody>
</table>

Paragraph G-6, IMPLEMENTATION OF AND EXPLANATION OF THE RELATIONSHIP OF THE LIMITATION OF FUNDS (LOF) CLAUSE TO FEE OBLIGATIONS, subparagraph c., is revised to read as follows:

SUBCLIN 0017AA:

(1) Amount Required for Full Funding, Including Fee:

(2) Amount Allotted Under the LOF Clause for Payment of Costs:

(3) Amount Separately Obligated for Payment of Fee:

(4) Total Amount Allotted and Obligated:

(5) Net Amount Required for Full Funding:

* These figures take into consideration the negotiated total value of SubCLIN 0017AA (This does not include SubCLIN 17AH).

SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

<table>
<thead>
<tr>
<th>TITLE</th>
<th>DATE</th>
<th># OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contract Security Classification Specification (DD Form 254)</td>
<td>26 Dec 2007</td>
<td>11</td>
</tr>
<tr>
<td>REVISION 10 (P00149) DD 254 Mailed via US Postal Service. NOTE: Last Revision see P00106 Rev. 8 (Rev. 9 deleted)</td>
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<td></td>
</tr>
<tr>
<td>CLIN 0017: JLENS System Development and Demonstration</td>
<td>30 Nov 06 -</td>
<td>37</td>
</tr>
</tbody>
</table>
(SDD) Program Statement of Work (Revised by Incorporating CSDR Plans dated 20 Feb 2007 in Appendix C per Modification P00136) Revised 20 Feb 07

Contract Data Requirements List (DD Form 1423)
Exhibit A with Distribution List & Data Item Nos. B001 through B062
(Replace Data Item Nos. B026 and B027, only Per Modification P00136)
(Replace Data Item Nos. B048 and B049, only Per Modification P00143 & to add statement in Section A of Modification P00143)
(Replace Data Item No. B033 only, per Modification P00161)

*Added statement below to address weekends/Holidays:
(In Mod P00143) 24 October 07

*Per a mutual agreement between Raytheon and JLENS Product Office all Contract Data Requirements List (CDRL's) (DD Form 1423) are due on the next business day after the required due date if the due date falls on Saturday, Sunday or a Government Holiday. In addition, for any CDRL with a requirement to resubmit within 10 days or less after receipt of comments, where Raytheon receives the comments on a Friday, the timeframe for resubmittal will begin on the next business day. Statement added in Mod P00143 on 24 Oct. 2007.

GFE/GFP/GFS List for SDD 28 Nov 06 2
Replaced with Rev. B List 15 Oct 07 6
**Add items below Revised 22 Oct 07
For record-keeping purposes (Per Mod P00143)

**Per the DCMA and Raytheon is authorized rent free use on a non-interference use of the equipment listed below for utilization on JLENS Fire Control Radar Prime Contract DASG60-98-C-0001 for the period from 19 April 2007 through 30 September 2011.
Hereby added in Mod P00148 for tracking purposes:

Originated in Basic Contract:
Government Furnished Equipment - Spiral 1  
(Spiral 1 Equipment Transferred to Government  
Contract DASG60-00-C-0091, DD Form 1149 (attached)  
(Revised 21 Nov 07)*  34 pages

Ship to address:
Technovative Applications, Inc.  
3160 Enterprise St, Suite A  
Pres, CA 82821

*NOTE: Items 1-1060 transferred to Contract DASG60-00-C-0091 per revised GFE list dated 21 Nov 07. Items 1061 – 1116 GFE items retained on Contract DASG60-98-C-0001 for Spiral 2 per GFE list dated 25 Mar 07.

CLIN 0021
JLENS Simulation Support  
SOW dated 28 January 2008  
For JDEP, Nimble Fire and  
Simulation Support Tasks  
(Added per Mod PO0153)

(End of Summary of Changes)