

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was decreased by \$991,510.00 from \$1,814,614,507.00 to \$1,813,622,997.00.

## 2. SECTION B - SUPPLIES OR SERVICES AND PRICES

## SUBCLIN 0017AA

The target cost has decreased by \$ [REDACTED] from [REDACTED] to \$ [REDACTED]

The target profit/fee has decreased by [REDACTED] from \$ [REDACTED] to \$ [REDACTED]

The total cost of this line item has decreased by \$991,510.00 from \$1,576,866,060.00 to \$1,575,874,550.00.

(b)(4)  
(b)(4)

This includes a decrease in target cost of [REDACTED], consisting of a [REDACTED] decrease in cost and a [REDACTED] decrease in facilities capital cost of money, and a decrease in target fee of [REDACTED] which is [REDACTED] target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

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

[REDACTED]  
[REDACTED]

(b)(4)  
(b)(4)

Incentive Arrangement: Maximum Fee:  
Minimum Fee:

[REDACTED]  
[REDACTED]

(b)(4)  
(b)(4)

(Share Ratio: Government/Contractor)

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

(b)(4)

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

(b)(4)

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 [REDACTED] cents for every dollar that the total allowable cost is less than the target cost or decreased by [REDACTED] cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than [REDACTED] percent or less than [REDACTED] percent of the target cost.

(b)(4)  
(b)(4)

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

002001

SUBCLIN 0017AA - (Two SDD JLENS Systems)

|                                      |                 |        |
|--------------------------------------|-----------------|--------|
| a. Target cost:                      | [REDACTED]      | (b)(4) |
| b. Target fee:                       | [REDACTED]      | (b)(4) |
| c. Minimum incentive fee:            | [REDACTED]      | (b)(4) |
| d. Maximum incentive fee:            | [REDACTED]      | (b)(4) |
| e. Total target cost and target fee: | \$1,575,874,550 | (b)(4) |

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 \$8,573.00 from \$1,463,984,091.81 to \$1,463,992,664.81.

SUBCLIN 0017AA:

MD: 21 0 2040 5L 5L68 P172419E555L 255Y 4M0J732000 S01021 4M0J732000/04MJLE/4M5 was increased by \$8,573.00 from \$0.00 to \$8,573.00  
The contract ACRN MD has been added.

Target Cost, Target Fee, and Total for the above increase of [REDACTED] distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] facilities capital cost of money) and an increase in target incentive fee of [REDACTED] of target cost less facilities capital cost of money.

|             |            |
|-------------|------------|
| Target Cost | [REDACTED] |
| Target Fee  | [REDACTED] |
| Total       | \$8,573    |

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,866,060  | (\$991,510)              | \$ 1,575,874,550         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED]               |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED]               |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,244,905,834 | \$ 8,573                 | \$1,244,914,407          |
| (5) Net Amount Required for Full Funding                       | \$ 331,960,226   | (\$1,000,083)            | \$ 330,960,143           |

002002

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

4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

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 \$1,575,874,550 includes a target cost of [REDACTED] (which includes \$[REDACTED] of cost and \$[REDACTED] facilities capital cost of money) and a target incentive fee of \$[REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

b. Cost Incentive.

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

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

(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 [REDACTED] Government / Contractor for actual costs less than the target cost, and a ratio of [REDACTED] Government / Contractor for actual costs greater than the target cost range applied according to Paragraph H-19(c)(1).

(b)(4)

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

(b)(4)

c. Schedule and Performance Incentive.

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

(b)(4)  
(b)(4)

(a) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED]

(b)(6)

(b) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(4)  
(b)(6)

002003

(2) An additional performance incentive fee pool of [REDACTED] (maximum) is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(b)(4)

(a) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b)(4)

(b) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-2.

(b)(4)

(c) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-3.

(b)(4)

(d) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by LUT.

(b)(4)

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

(b)(4)

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

**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.

5. The following is an update to Modification P00217 showing a summary of funding by ACRN through Modification P00218:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |

002004



|    |                |
|----|----------------|
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |
| KW | 20,000.00      |
| KX | 60,000.00      |
| KY | 25,000.00      |
| KZ | 25,000.00      |
| LA | 13,508.00      |
| LB | 12,500.00      |
| LC | 200,000.00     |
| LD | 7,943,648.00   |
| LE | 1,173,850.00   |
| LF | 10,000.00      |

002005

|    |                  |
|----|------------------|
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |

6. The following is an update to Modification P00217 showing a summary of funding by CLIN by ACRN through Modification P00218:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u>    |
|-------------|-------------|--------------------|----------------------|
| CLIN 0001   | AA          | 440,100.00         |                      |
| CLIN 0001   | AD          | 0.00               |                      |
|             |             |                    | <u>440,100.00</u>    |
| CLIN 0003   | AB          | 2,298,235.00       |                      |
| CLIN 0003   | AC          | 17,832,987.00      |                      |
| CLIN 0003   | AD          | 0.00               |                      |
| CLIN 0003   | AE          | 7,500,000.00       |                      |
| CLIN 0003   | AF          | 3,300,000.00       |                      |
| CLIN 0003   | AG          | 17,192,400.00      |                      |
| CLIN 0003   | AH          | 700,000.00         |                      |
| CLIN 0003   | AM          | 17,045,000.00      |                      |
| CLIN 0003   | AN          | 5,800.00           |                      |
| CLIN 0003   | AP          | 20,779,000.00      |                      |
| CLIN 0003   | AS          | 0.00               |                      |
| CLIN 0003   | AT          | 6,984,678.52       |                      |
| CLIN 0003   | AW          | 100,000.00         |                      |
| CLIN 0003   | AY          | 550,000.00         |                      |
|             |             |                    | <u>94,288,100.52</u> |

002006

|             |    |                      |
|-------------|----|----------------------|
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |
| CLIN 0013   | AY | 0.00                 |
| CLIN 0013   | AZ | 19,412,000.00        |
| CLIN 0013   | BJ | 7,898,834.79         |
|             |    | <u>38,676,834.79</u> |
| CLIN 0017   | BW | 0.00                 |
| CLIN 0017   | KM | 0.00                 |
|             |    | <u>0.00</u>          |
| CLIN 0017AA | BY | 3,880,000.00         |
| CLIN 0017AA | BX | 1,146,000.00         |
| CLIN 0017AA | BW | 84,896,852.00        |

002007

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$262,714,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
|             |    |                  | <u>1,244,914,407.00</u> |
|             |    |                  |                         |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |
| CLIN 0017AD | KN | 0.00             |                         |
| CLIN 0017AD | KS | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AE | LL | 173,798.00       |                         |
|             |    |                  | 173,798.00              |
| CLIN 0017AH | KT | 173,798.00       |                         |
|             |    |                  | <u>173,798.00</u>       |

002008

|             |    |              |                     |
|-------------|----|--------------|---------------------|
| CLIN 0020AA | KN | 0.00         |                     |
| CLIN 0020AA | KQ | 26,660.00    |                     |
|             |    |              | <u>26,660.00</u>    |
| CLIN 0021AA | KW | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0021AB | KV | 0.00         |                     |
| CLIN 0021AB | LB | 0.00         |                     |
| CLIN 0021AB | KX | 0.00         |                     |
| CLIN 0021AB | KY | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0021AC | KZ | 0.00         |                     |
| CLIN 0021AC | LA | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0022   | KW | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0023   | KX | 60,000.00    |                     |
| CLIN 0023   | KY | 25,000.00    |                     |
| CLIN 0023   | KV | 65,000.00    |                     |
| CLIN 0023   | LB | 12,500.00    |                     |
| CLIN 0023   | LF | 10,000.00    |                     |
| CLIN 0023   | LR | \$125,000.00 |                     |
|             |    |              | <u>297,500.00</u>   |
| CLIN 0024   | LA | 13,508.00    |                     |
| CLIN 0024   | LG | 62,000.00    |                     |
| CLIN 0024   | KZ | 25,000.00    |                     |
| CLIN 0024   | KW | 20,000.00    |                     |
| CLIN 0024   | LP | 83,200.00    |                     |
|             |    |              | <u>203,708.00</u>   |
| CLIN 0025   | LE | 1,173,850.00 |                     |
| CLIN 0025   | LM | 1,080,404.00 |                     |
| CLIN 0025   | MA | 0.00         |                     |
|             |    |              | <u>2,254,254.00</u> |
| CLIN 0026   | LN | 630,061.00   |                     |
|             |    |              | <u>630,061.00</u>   |
| CLIN 0027   | LZ | 1,751,384.00 |                     |
|             |    |              | <u>1,751,384.00</u> |

002009

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
|           |    |              | <u>3,312,414.00</u> |

7. In consideration of the modification agreed to herein as complete equitable adjustment for the actual costs incurred, submitted via Raytheon letter JLENS-23414-10-095, in support of the preparation of a proposal in response to Modification P00199 prior to it being rescinded, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.  
(End of Summary of Changes)

002010

|   |  |   |  |   |  |                                |  |
|---|--|---|--|---|--|--------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>   |  | PAGE OF PAGES<br><b>1   2</b>  |  |
| AMENDMENT/MODIFICATION NO.<br><b>J219</b>   |  | 3. EFFECTIVE DATE<br><b>05-Oct-2010</b> |  | 4. REQUISITION/PURCHASE REQ. NO.  |  | 5. PROJECT NO. (If applicable) |  |
| 6. ISSUED BY<br>USASMD/ARSTRAT<br>SMDC-RDC<br>PO BOX 1600<br>HUNTSVILLE AL 35897-3801   |  | CODE<br><b>W9113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>MAST2FR2<br>TEMPSBURY MA 01876                                       |  | CODE<br><b>S2205A</b>          |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400  |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.   |  |                                |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)   |  |                                |  |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b>  |  |                                |  |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>  |  |                                |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |   |  |                                |  |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |  |   |  |   |  |                                |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |   |  |                                |  |
| <b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.<br/>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>  |  |   |  |   |  |                                |  |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |   |  |   |  |                                |  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br><b>FAR 52.232-22 Limitation of Funds</b>   |  |   |  |   |  |                                |  |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number: <span style="background-color: black; color: black;">XXXXXXXXXX</span><br><b>Raytheon - JLENS</b><br><br>This modification provides incremental funds in the amount of \$23,000,000.00 for CLIN 0017AA, ACRN ME. See Summary of Changes.   |  |   |  |   |  |                                |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)  |  |                                |  |
|   |  |   |  | TEL: <span style="background-color: black; color: black;">XXXXXXXXXX</span> EMAIL: <span style="background-color: black; color: black;">XXXXXXXXXX</span> |  |                                |  |
| 15B. CONTRACTOR/OFFEROR   |  | 15C. DATE SIGNED                        |  | 16B. UNITED STATES OF AMERICA   |  | 16C. DATE SIGNED               |  |
| (Signature of person authorized to sign)  |  |   |  | BY <span style="background-color: black; color: black;">XXXXXXXXXX</span>   |  | 06-Oct-2010                    |  |
|   |  |   |  | (Signature of Contracting Officer)  |  |                                |  |

EXCEPTION TO SF 30  
APPROVED BY CDR/USN 11 04

30-105-04

STANDARD FORM 30 (Rev. 10-83)

002011

(b)(6)

(b)(1)

## **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 \$23,000,000.00 from \$1,423,388,769.02 to \$1,446,388,769.02.

##### **SUBCLIN 0017AA:**

ME: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 was increased by \$23,000,000.00 from \$0.00 to \$23,000,000.00

The contract ACRN ME has been added.

(End of Summary of Changes)

002012



|   |  |   |  |   |  |                               |  |
|---|--|---|--|---|--|-------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>   |  | PAGE OF PAGES<br><b>1   8</b> |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>220</b>   |  | 3. EFFECTIVE DATE<br><b>14-Oct-2010</b> |  | 4. REQUISITION/PURCHASE REQ. NO.  |  | 5. PROJECT NO (If applicable) |  |
| ISSUED BY<br>USASMD C/ARSTRAT<br>SMD C-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801   |  | CODE<br><b>W9113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/ST2FR2<br>TEWKSBURY MA 01876 |  | CODE<br><b>S2205A</b>         |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>360 LOWELL ST.<br>ANDOVER MA 01810-4400  |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.   |  |                               |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)   |  |                               |  |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001   |  |                               |  |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998   |  |                               |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |   |  |                               |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |   |  |   |  |                               |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |   |  |                               |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br>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)<br>UNILATERAL: FAR 52.232-22, Limitation of Funds   |  |   |  |   |  |                               |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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.)<br>Modification Control Number: <span style="background-color: black; color: black;">[REDACTED]</span><br>To increase incremental funding for SubCLIN 0017AA in the amount of \$40,000,000; to move funds in the amount of \$23,000,000 obligated in Modification P00219 from ACRN ME to ACRN MF in order to correct an error in the accounting classification; and to correct an error in the total funded amount shown in Modification P00219.  |  |   |  |   |  |                               |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)  |  |                               |  |
| <span style="background-color: black; color: black;">[REDACTED]</span>  |  |   |  | <span style="background-color: black; color: black;">[REDACTED]</span>  |  |                               |  |
| 15B. CONTRACTOR/OFFEROR   |  |   |  | 15C. DATE SIGNED  |  | 16B. UNITED STATES OF AMERICA |  |
| (Signature of person authorized to sign)  |  |   |  |   |  | 16C. DATE SIGNED              |  |
|   |  |   |  | BY <span style="background-color: black; color: black;">[REDACTED]</span>   |  | 14-Oct-2010                   |  |
|   |  |   |  | (Signature of Contracting Officer)  |  |                               |  |

EXCEPTION TO SF 30

30-105-04

STANDARD FORM 30 (Rev. 10-83)

002013

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. 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 \$40,000,000.00 from \$1,486,992,664.81 to \$1,526,992,664.81.

SUBCLIN 0017AA:

ME: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 was decreased by \$23,000,000.00 from \$23,000,000.00 to \$0.00

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$63,000,000.00 from \$0.00 to \$63,000,000.00\*

The contract ACRN MF has been added.

Target Cost, Target Fee, and Total for the above increase of \$[REDACTED] is distributed as follows and includes an increase in target cost of \$[REDACTED] (\$[REDACTED] of cost and \$[REDACTED] of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] % of target cost less facilities capital cost of money.

|             |               |
|-------------|---------------|
| Target Cost | [REDACTED]    |
| Target Fee  | [REDACTED]    |
| Total       | \$63,000,000* |

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL**</u> |
|--|------------------|--------------------------|---------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,575,874,550  | \$ 0                     | \$ 1,575,874,550          |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED]                |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED]                |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,244,914,407 | \$63,000,000*            | \$ 1,307,914,407          |
| (5) Net Amount Required for Full Funding                       | \$ 330,960,143   | ( \$63,000,000)          | \$ 267,960,143            |

(b)(4)

(b)(4)

\*NOTE: This \$63,000,000 increase includes \$23,000,000 that was obligated in Modification P00219 but is moved via this modification from ACRN ME to ACRN MF in order to correct an error in the accounting classification. The increase in the total funded amount via Modification P00220 is \$40,000.

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

2. The following is an update to Modification P00218 showing a summary of funding by ACRN through Modification P00220:

002014

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |
| AP          | 20,779,000.00  |
| AQ          | 105,000.00     |
| AR          | 35,000.00      |
| AS          | 0.00           |
| AT          | 6,984,678.52   |
| AU          | 7,970,000.00   |
| AV          | 0.00           |
| AW          | 100,000.00     |
| AX          | 3,396,000.00   |
| AY          | 550,000.00     |
| AZ          | 19,412,000.00  |
| BA          | 24,527,878.00  |
| BB          | 146,000.00     |
| BC          | 72,000.00      |
| BD          | 85,000.00      |
| BE          | 100,000.00     |
| BF          | 100,000.00     |
| BG          | 1,975,321.00   |
| BH          | 38,018,908.00  |
| BJ          | 7,898,834.79   |
| BK          | 260,000.00     |
| BL          | 0.00           |
| BM          | 125,000.00     |
| BN          | 103,000.00     |
| BP          | 10,199,288.50  |
| BU          | 350,000.00     |
| BV          | 9,000.00       |
| BW          | 84,896,852.00  |
| BX          | 1,146,000.00   |
| BY          | 3,880,000.00   |
| BZ          | 190,000.00     |
| KL          | 118,250.00     |
| KM          | 192,793,000.00 |
| KN          | 0.00           |

002015

|    |                  |
|----|------------------|
| KQ | 92,811.00        |
| KR | 0.00             |
| KS | 0.00             |
| KT | 386,377,998.00   |
| KU | 2,203,183.00     |
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$63,000,000.00  |

3. The following is an update to Modification P00218 showing a summary of funding by CLIN by ACRN through Modification P00220:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |

002016

|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AB | 2,298,235.00         |
| CLIN 0003   | AC | 17,832,987.00        |
| CLIN 0003   | AD | 0.00                 |
| CLIN 0003   | AE | 7,500,000.00         |
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |

002017

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0009AB | BV | 9,000.00         |                         |
|             |    |                  | <u>869,034.00</u>       |
| CLIN 0013   | AU | 7,970,000.00     |                         |
| CLIN 0013   | AX | 3,396,000.00     |                         |
| CLIN 0013   | AY | 0.00             |                         |
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,898,834.79     |                         |
|             |    |                  | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$262,714,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$63,000,000.00  |                         |
|             |    |                  | <u>1,307,914,407.00</u> |

002018

|             |    |              |            |
|-------------|----|--------------|------------|
| CLIN 0017AB | KL | 118,250.00   |            |
|             |    |              | 118,250.00 |
| CLIN 0017AC | BZ | 190,000.00   |            |
|             |    |              | 190,000.00 |
| CLIN 0017AD | KN | 0.00         |            |
| CLIN 0017AD | KS | 0.00         |            |
|             |    |              | 0.00       |
| CLIN 0017AE | LL | 173,798.00   |            |
|             |    |              | 173,798.00 |
| CLIN 0017AH | KT | 173,798.00   |            |
|             |    |              | 173,798.00 |
| CLIN 0020AA | KN | 0.00         |            |
| CLIN 0020AA | KQ | 26,660.00    |            |
|             |    |              | 26,660.00  |
| CLIN 0021AA | KW | 0.00         |            |
|             |    |              | 0.00       |
| CLIN 0021AB | KV | 0.00         |            |
| CLIN 0021AB | LB | 0.00         |            |
| CLIN 0021AB | KX | 0.00         |            |
| CLIN 0021AB | KY | 0.00         |            |
|             |    |              | 0.00       |
| CLIN 0021AC | KZ | 0.00         |            |
| CLIN 0021AC | LA | 0.00         |            |
|             |    |              | 0.00       |
| CLIN 0022   | KW | 0.00         |            |
|             |    |              | 0.00       |
| CLIN 0023   | KX | 60,000.00    |            |
| CLIN 0023   | KY | 25,000.00    |            |
| CLIN 0023   | KV | 65,000.00    |            |
| CLIN 0023   | LB | 12,500.00    |            |
| CLIN 0023   | LF | 10,000.00    |            |
| CLIN 0023   | LR | \$125,000.00 |            |
|             |    |              | 297,500.00 |

002019

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LA | 13,508.00    |                     |
| CLIN 0024 | LG | 62,000.00    |                     |
| CLIN 0024 | KZ | 25,000.00    |                     |
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
|           |    |              | <u>3,312,414.00</u> |

(End of Summary of Changes)

002020



|   |  |   |  |  |  |                                     |  |
|---|--|---|--|--|--|-------------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   9</b>       |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>00221</b>   |  | 3. EFFECTIVE DATE<br><b>22-Oct-2010</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable)      |  |
| 6. ISSUED BY<br>USASMDG/ARSTRAT<br>SMDG-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801  |  | CODE<br><b>WB113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |  | CODE<br><b>S2205A</b>               |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST<br>ANDOVER MA 01810-4400   |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |                                     |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)  |  |                                     |  |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b>   |  |                                     |  |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>   |  |                                     |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |  |  |                                     |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |   |  |  |  |                                     |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |  |  |                                     |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS<br>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<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |   |  |  |  |                                     |  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br><b>UNILATERAL: FAR 52.232-22, "Limitation of Funds"</b>  |  |   |  |  |  |                                     |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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.)<br>Modification Control Number <b>(b)(6)</b><br>To increase incremental funding for CLIN 0028 in the amount of \$6,262,095 and to correct an administrative error in a note of page 2 of Modification P00220.   |  |   |  |  |  |                                     |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |                                     |  |
|   |  |   |  | TEL: _____ EMAIL: _____ <b>(b)(6)(b)(6)</b>  |  |                                     |  |
| 15B. CONTRACTOR/OFFEROR   |  | 15C. DATE SIGNED                        |  | 16B. UNITED STATES OF AMERICA  |  | 16C. DATE SIGNED                    |  |
| (Signature of person authorized to sign)  |  |   |  | BY: _____<br>(Signature of Contracting Officer)  |  | <b>(b)(6)</b><br><b>22-Oct-2010</b> |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002021

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. SECTION B - SUPPLIES OR SERVICES AND PRICES

SUBCLIN 002803 is added as follows:

| ITEM NO | SUPPLIES/SERVICES     | QUANTITY | UNIT | UNIT PRICE           | AMOUNT         |
|---------|-----------------------|----------|------|----------------------|----------------|
| 002803  | Funding for CLIN 0028 |          |      |                      |                |
|         | CPIF                  |          |      |                      |                |
|         | FOB: Destination      |          |      |                      |                |
|         |                       |          |      | TARGET COST          |                |
|         |                       |          |      | TARGET FEE           |                |
|         |                       |          |      | TOTAL TGT COST + FEE | \$6,262,095.00 |

ACRN MG \$6,262,095.00  
CIN: 00000000000000000000000000000000

2. 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 \$6,262,095.00 from \$1,526,992,664.81 to \$1,533,254,759.81.

SUBCLIN 002803:

Funding on SUBCLIN 002803 is initiated as follows:

ACRN: MG

CIN: 00000000000000000000000000000000

Acctng Data: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730200 S01021 4M1J730200/14MJLE/4M5

Increase: \$6,262,095.00

Total: \$6,262,095.00

Target Cost, Target Fee, and Total for the above increase of \$6,262,095 is distributed as follows and includes a

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target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and a target incentive fee of [REDACTED] which is [REDACTED] target cost less facilities capital cost of money. (b)(4)

|             |             |
|-------------|-------------|
| Target Cost | [REDACTED]  |
| Target Fee  | [REDACTED]  |
| Total       | \$6,262,095 |

(b)(4)

CLIN 0028 :

|   | <u>PRIOR</u> | <u>THIS</u><br><u>MODIFICATION</u> | <u>CUMULATIVE</u><br><u>TOTAL</u> |        |
|---|--------------|------------------------------------|-----------------------------------|--------|
| Amount Required for Full Funding, Including |              |                                    |                                   |        |
| (1) Fee:                                    | \$17,439,008 | \$ 0                               | \$17,439,008                      |        |
| Amount Allotted Under the LOF Clause for    |              |                                    |                                   |        |
| (2) Payment of Costs:                       | [REDACTED]   | [REDACTED]                         | [REDACTED]                        | (b)(4) |
| Amount Separately Obligated for Payment of  |              |                                    |                                   |        |
| (3) Fee:                                    | [REDACTED]   | [REDACTED]                         | [REDACTED]                        | (b)(4) |
| (4) Total Amount Allotted and Obligated:    | \$ 3,312,414 | \$6,262,095                        | \$ 9,574,509                      |        |
| (5) Net Amount Required for Full Funding    | \$14,126,594 | (\$6,262,095)                      | \$ 7,864,499                      |        |

The note on page 2 of Modification P00220 is corrected as follows (changes are shown in bold):

\*NOTE: This \$63,000,000 increase includes \$23,000,000 that was obligated in Modification P00219 but is moved via this modification from ACRN ME to ACRN MF in order to correct an error in the accounting classification. The increase in the total funded amount via Modification P00220 is **\$40,000,000**.

3. The following is an update to Modification P00220 showing a summary of funding by ACRN through Modification P00221:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |
| AP          | 20,779,000.00  |

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|    |                |
|----|----------------|
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |
| KW | 20,000.00      |
| KX | 60,000.00      |
| KY | 25,000.00      |
| KZ | 25,000.00      |
| LA | 13,508.00      |
| LB | 12,500.00      |
| LC | 200,000.00     |
| LD | 7,943,648.00   |
| LE | 1,173,850.00   |
| LF | 10,000.00      |
| LG | 62,000.00      |

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|    |                  |
|----|------------------|
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$63,000,000.00  |
| MG | \$6,262,095.00   |

4. The following is an update to Modification P00220 showing a summary of funding by CLIN by ACRN through Modification P00221:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |
| CLIN 0003   | AF          | 3,300,000.00       |                   |
| CLIN 0003   | AG          | 17,192,400.00      |                   |
| CLIN 0003   | AH          | 700,000.00         |                   |
| CLIN 0003   | AM          | 17,045,000.00      |                   |
| CLIN 0003   | AN          | 5,800.00           |                   |
| CLIN 0003   | AP          | 20,779,000.00      |                   |
| CLIN 0003   | AS          | 0.00               |                   |
| CLIN 0003   | AT          | 6,984,678.52       |                   |
| CLIN 0003   | AW          | 100,000.00         |                   |
| CLIN 0003   | AY          | 550,000.00         |                   |

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|             |    |                      |
|-------------|----|----------------------|
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |
| CLIN 0013   | AY | 0.00                 |
| CLIN 0013   | AZ | 19,412,000.00        |
| CLIN 0013   | BJ | 7,898,834.79         |
|             |    | <u>38,676,834.79</u> |
| CLIN 0017   | BW | 0.00                 |
| CLIN 0017   | KM | 0.00                 |
|             |    | <u>0.00</u>          |

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|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$262,714,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$63,000,000.00  |                         |
|             |    |                  | <u>1,307,914,407.00</u> |
|             |    |                  |                         |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |
| CLIN 0017AD | KN | 0.00             |                         |
| CLIN 0017AD | KS | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AE | LL | 173,798.00       |                         |

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|             |    |              |                     |
|-------------|----|--------------|---------------------|
|             |    | 173,798.00   |                     |
| CLIN 0017AH | KT | 173,798.00   | <u>173,798.00</u>   |
|             |    |              | <u>173,798.00</u>   |
| CLIN 0020AA | KN | 0.00         |                     |
| CLIN 0020AA | KQ | 26,660.00    |                     |
|             |    |              | <u>26,660.00</u>    |
| CLIN 0021AA | KW | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0021AB | KV | 0.00         |                     |
| CLIN 0021AB | LB | 0.00         |                     |
| CLIN 0021AB | KX | 0.00         |                     |
| CLIN 0021AB | KY | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0021AC | KZ | 0.00         |                     |
| CLIN 0021AC | LA | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0022   | KW | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0023   | KX | 60,000.00    |                     |
| CLIN 0023   | KY | 25,000.00    |                     |
| CLIN 0023   | KV | 65,000.00    |                     |
| CLIN 0023   | LB | 12,500.00    |                     |
| CLIN 0023   | LF | 10,000.00    |                     |
| CLIN 0023   | LR | \$125,000.00 |                     |
|             |    |              | <u>297,500.00</u>   |
| CLIN 0024   | LA | 13,508.00    |                     |
| CLIN 0024   | LG | 62,000.00    |                     |
| CLIN 0024   | KZ | 25,000.00    |                     |
| CLIN 0024   | KW | 20,000.00    |                     |
| CLIN 0024   | LP | 83,200.00    |                     |
|             |    |              | <u>203,708.00</u>   |
| CLIN 0025   | LE | 1,173,850.00 |                     |
| CLIN 0025   | LM | 1,080,404.00 |                     |
| CLIN 0025   | MA | 0.00         |                     |
|             |    |              | <u>2,254,254.00</u> |

002028



|           |    |              |                             |
|-----------|----|--------------|-----------------------------|
| CLIN 0026 | LN | 630,061.00   | <u>                    </u> |
|           |    |              | <u>630,061.00</u>           |
| CLIN 0027 | LZ | 1,751,384.00 | <u>                    </u> |
|           |    |              | <u>1,751,384.00</u>         |
| CLIN 0028 | LM | 329,972.00   | <u>                    </u> |
| CLIN 0028 | MA | 2,982,442.00 | <u>                    </u> |
| CLIN 0028 | MG | 6,262,095.00 | <u>                    </u> |
|           |    |              | <u>9,574,509.00</u>         |

(End of Summary of Changes)

002029

|   |  |   |  |  |  |  |  |
|---|--|---|--|--|--|--|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   8</b>          |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>10222</b>   |  | 3. EFFECTIVE DATE<br><b>25-Oct-2010</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable)         |  |
| ISSUED BY<br><b>USASMD/ARSTRAT<br/>SMD-C-RDC<br/>PO BOX 1500<br/>HUNTSVILLE AL 35807-3801</b>   |  | CODE<br><b>WV9113M</b>                  |  | 7. ADMINISTERED BY (If other than item 6)<br><b>DCMA RAYTHEON<br/>50 APPLE HILL DRIVE<br/>M/S T2FR2<br/>TEWKSBURY MA 01876</b> |  | CODE<br><b>S2205A</b>                  |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br><b>RAYTHEON COMPANY<br/>350 LOWELL ST.<br/>ANDOVER MA 01810-4400</b>   |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |  |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)  |  |  |  |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b>   |  |  |  |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>   |  |  |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |  |  |  |  |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |  |   |  |  |  |  |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. |  |   |  |  |  |  |  |
| <b>12. ACCOUNTING AND APPROPRIATION DATA (If required)</b><br><b>See Schedule</b>   |  |   |  |  |  |  |  |
| <b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br/>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>   |  |   |  |  |  |  |  |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |   |  |  |  |  |  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br>UNILATERAL: FAR 52.232-22, "Limitation of Funds"   |  |   |  |  |  |  |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number <b>[REDACTED]</b><br>To increase incremental funding for SubCLIN0017AA in the amount of \$8,000,000.  |  |   |  |  |  |  |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |  |  |
| [REDACTED]  |  |   |  | [REDACTED]   |  |  |  |
| 15B. CONTRACTOR/OFFEROR   |  |   |  | 15C. DATE SIGNED   |  | 16B. UNITED STATES OF AMERICA          |  |
| (Signature of person authorized to sign)  |  |   |  | [REDACTED]   |  | 16C. DATE SIGNED<br><b>25-Oct-2010</b> |  |
|   |  |   |  | BY [REDACTED]  |  | (Signature of Contracting Officer)     |  |

RECEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04  
**002030**

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. 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 \$8,000,000.00 from \$1,533,254,759.81 to \$1,541,254,759.81.

SUBCLIN 0017AA:

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$8,000,000.00 from \$63,000,000.00 to \$71,000,000.00

Target Cost, Target Fee, and Total for the above increase of \$8,000,000 is distributed as follows and includes an increase in target cost of [REDACTED] (b)(4) of cost and [REDACTED] (b)(4) of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] (b)(4) which [REDACTED] (b)(4) of target cost less facilities capital cost of money.

|             |             |
|-------------|-------------|
| Target Cost | [REDACTED]  |
| Target Fee  | [REDACTED]  |
| Total       | \$8,000,000 |

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,575,874,550  | \$ 0                     | \$ 1,575,874,550         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,307,914,407 | \$8,000,000              | \$ 1,315,914,407         |
| (5) Net Amount Required for Full Funding                       | \$ 267,960,143   | ( \$8,000,000)           | \$ 259,960,143           |

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

2. The following is an update to Modification P00221 showing a summary of funding by ACRN through Modification P00222:

ACRN      FUNDING

|    |              |
|----|--------------|
| AA | 440,100.00   |
| AB | 2,298,235.00 |

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|    |                |
|----|----------------|
| AC | 17,832,987.00  |
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |

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|    |                  |
|----|------------------|
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$71,000,000.00  |
| MG | \$6,262,095.00   |

3. The following is an update to Modification P00221 showing a summary of funding by CLIN by ACRN through Modification P00222:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |

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|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |

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|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0013   | AY | 0.00             |                         |
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,898,834.79     |                         |
|             |    |                  | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$262,714,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$71,000,000.00  |                         |
|             |    |                  | <u>1,315,914,407.00</u> |
|             |    |                  |                         |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |

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|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AC | BZ | 190,000.00   |                   |
|             |    |              | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |
| CLIN 0024   | KW | 20,000.00    |                   |

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|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002037

|  |  |   |   |  |                                |
|--|--|---|---|--|--------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>  |  |   |   | 1. CONTRACT ID CODE<br><b>V</b>  | PAGE OF PAGES<br><b>1   11</b> |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00223</b>   |  | 3. EFFECTIVE DATE<br><b>19-Nov-2010</b>   |   | 4. REQUISITION/PURCHASE REQ. NO.   |                                |
| 5. PROJECT NO. (If applicable)   |  | 6. ISSUED BY<br>USASDC/ARSTRAT<br>SMDC-PDC<br>PO BOX 1800<br>HUNTSVILLE AL 35807-3801   |   | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>80 APPLE HILL DRIVE<br>M/S T2FR2<br>TENNISBURRY MA 01876 |                                |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400   |  | 9A. AMENDMENT OF SOLICITATION NO.   |   | 9B. DATED (SEE ITEM 11)  |                                |
| CODE <b>05716</b> FACILITY CODE  |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-88-C-0001</b>  |   | 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>   |                                |
|  |  | 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS<br><input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>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 each 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)<br><b>See Schedule</b>   |  |   |   |  |                                |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS<br>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).  |  |   |   |  |                                |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>FAR 52.232-22, "Limitation of Funds" and Mutual Agreement  |  |   |   |  |                                |
| D. OTHER (Specify type of modification and authority)  |  |   |   |  |                                |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <b>1</b> copies to the issuing office.  |  |   |   |  |                                |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)<br>Modification Control Number: <b>[REDACTED]</b><br>To increase and fund SubCLIN 0017AA in the amount of \$213,390 as settlement of the equitable adjustment proposal submitted by the contractor in response to the government technical directive (TD), dated 12 May 2010. A subsequent technical directive, dated 21 September 2010, supersedes the 12 May 2010 TD and should be utilized to determine the required RF backup capabilities for the <b>[REDACTED]</b> components FTS frequency and tones configuration for <b>[REDACTED]</b> the changes outlined in the 21 September 2010 TD have no cost impact on the proposal submitted by the contractor. Additional incremental funding in the amount of \$9,000,000, unrelated to the settlement of this equitable adjustment, is also provided via this modification. |  |   |   |  |                                |
| 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.  |  |   |   |  |                                |
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br><b>[REDACTED]</b>   |  |   | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br><b>[REDACTED]</b> |  |                                |
| 15B. <b>[REDACTED]</b>   |  |   | 16B. <b>[REDACTED]</b>  |  |                                |
| 15C. DATE SIGNED<br><b>19 NOV 2010</b>   |  |   | 16C. DATE SIGNED<br><b>22 Nov 10</b>  |  |                                |
| 15D. <b>[REDACTED]</b><br>(Signature of person authorized to sign)   |  |   | 16D. <b>[REDACTED]</b><br>(Signature of Contracting Officer)                    |  |                                |

(b)(6)

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

(b)(6)

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## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$213,390.00 from \$1,813,662,997.00 to \$1,813,876,387.00.

## 2. SECTION B - SUPPLIES OR SERVICES AND PRICES

## SUBCLIN 0017AA

The target cost has increased by \$ [REDACTED] on \$ [REDACTED] 0 to \$ [REDACTED]

The target profit/fee has increased by \$ [REDACTED] 00 from \$ [REDACTED] 00 to \$ [REDACTED]

The total cost of this line item has increased by \$213,390.00 from \$1,575,874,550.00 to \$1,576,087,940.00.

This includes an increase in target cost of [REDACTED] consisting of a [REDACTED] increase in cost and [REDACTED] increase in facilities capital cost of money, and an increase in target fee of [REDACTED] which [REDACTED] of target cost less facilities capital cost of money.

## 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:

(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] 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 [REDACTED] cents for every dollar that the total allowable cost is less than the target cost or decreased by [REDACTED] cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than [REDACTED] percent or less than [REDACTED] percent 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)

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|                                      |                 |        |
|--------------------------------------|-----------------|--------|
| a. Target cost:                      | [REDACTED]      | (b)(4) |
| b. Target fee:                       | [REDACTED]      | (b)(4) |
| c. Minimum incentive fee:            | [REDACTED]      | (b)(4) |
| d. Maximum incentive fee:            | [REDACTED]      | (b)(4) |
| e. Total target cost and target fee: | \$1,576,087,940 |        |

### 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 \$9,213,390.00 from \$1,541,254,759.81 to \$1,550,468,149.81.

#### SUBCLIN 0017AA:

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$9,000,000.00 from \$71,000,000.00 to \$80,000,000.00

Target Cost, Target Fee, and Total for the above increase of [REDACTED] is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |             |
|-------------|-------------|
| Target Cost | [REDACTED]  |
| Target Fee  | [REDACTED]  |
| Total       | \$9,000,000 |

MH: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J731000 S01021 4M1J731000/14MJLE/4M5 was increased by \$213,390.00 from \$0.00 to \$213,390.00

The contract ACRN MH has been added.

Target Cost, Target Fee, and Total for the above increase of [REDACTED] is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |            |
|-------------|------------|
| Target Cost | [REDACTED] |
| Target Fee  | [REDACTED] |
| Total       | \$213,390  |

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,

|  | <u>PRIOR</u> | <u>THIS</u><br><u>MODIFICATION</u> | <u>CUMULATIVE</u><br><u>TOTAL*</u> |
|--|--------------|------------------------------------|------------------------------------|
|--|--------------|------------------------------------|------------------------------------|

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|  |                  |               |                   |
|--|------------------|---------------|-------------------|
| Including Fee:   | \$1,575,874,550  | \$ 213,390    | \$ 1,576,087,940  |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]    | [REDACTED] (b)(4) |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | \$ [REDACTED] | [REDACTED] (b)(4) |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,315,914,407 | \$9,213,390   | \$ 1,325,127,797  |
| (5) Net Amount Required for Full Funding                       | \$ 259,960,143   | (\$9,000,000) | \$ 250,960,143    |

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

4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

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 \$1,576,087,940 includes a target cost of [REDACTED] which includes \$ [REDACTED] and [REDACTED] facilities capital cost of money) and a target incentive fee of [REDACTED] which is [REDACTED] target cost less facilities capital cost of money. (b)(4)

b. Cost Incentive.

- (1) The target fee payable under SubCLIN 0017AA is [REDACTED] of the target cost less facilities capital cost of money [REDACTED] an amount equal to [REDACTED] (b)(4)
- (2) The maximum fee payable under SubCLIN 0017AA [REDACTED] the target cost less facilities capital cost of money [REDACTED] an amount equal to [REDACTED] (b)(4)
- (3) The minimum fee payable under SubCLIN 0017AA [REDACTED] the target cost less facilities capital cost of money [REDACTED] amount equal to [REDACTED] (b)(4)
- (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 [REDACTED] government [REDACTED] contractor for actual costs less than the target cost, and a ratio of [REDACTED] government / [REDACTED] contractor for actual costs greater than the target cost range applied according to Paragraph H-19(c)(1). (b)(4)
- (5) Nothing stated in this clause shall take precedence over the clause 52.216-10 - Incentive Fee contained in this contract.

c. Schedule and Performance Incentive.

- (1) A maximum [REDACTED] "flat zone" will be established at the target cost value of [REDACTED] with the conduct of milestones below. The "flat zone" over which the contractor will earn target fee is for eligible costs from [REDACTED] to [REDACTED] once the program milestones set forth below are conducted. (b)(4)

( [REDACTED] ) of the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED]) Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED] (b)(4)

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(b) [REDACTED], [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of \$[REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(4)

(b)(4)

(b)(6)

(2) An additional performance incentive fee pool of [REDACTED] (maximum) is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(b)(4)

(a) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b)(4)

(b) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-2.

(b)(4)

(c) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-3.

(b)(4)

(d) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by LUT.

(b)(4)

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

(3) For Earned Value and cost reporting purposes, the target cost value of \$1,446,946,473 will be used.

#### 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.

5. The following is an update to Modification P00222 showing a summary of funding by ACRN through Modification P00223:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |

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|    |                |
|----|----------------|
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |
| KW | 20,000.00      |
| KX | 60,000.00      |
| KY | 25,000.00      |
| KZ | 25,000.00      |

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|    |                  |
|----|------------------|
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$80,000,000.00  |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

6. The following is an update to Modification P00222 showing a summary of funding by CLIN by ACRN through Modification P00223:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
|             |             |                    |                   |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |
| CLIN 0003   | AF          | 3,300,000.00       |                   |
| CLIN 0003   | AG          | 17,192,400.00      |                   |
| CLIN 0003   | AH          | 700,000.00         |                   |
| CLIN 0003   | AM          | 17,045,000.00      |                   |

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|             |    |               |                      |
|-------------|----|---------------|----------------------|
| CLIN 0003   | AN | 5,800.00      |                      |
| CLIN 0003   | AP | 20,779,000.00 |                      |
| CLIN 0003   | AS | 0.00          |                      |
| CLIN 0003   | AT | 6,984,678.52  |                      |
| CLIN 0003   | AW | 100,000.00    |                      |
| CLIN 0003   | AY | 550,000.00    |                      |
|             |    |               | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00 |                      |
| CLIN 0005   | BB | 146,000.00    |                      |
| CLIN 0005   | BC | 72,000.00     |                      |
| CLIN 0005   | BD | 85,000.00     |                      |
| CLIN 0005   | BE | 100,000.00    |                      |
| CLIN 0005   | BF | 100,000.00    |                      |
| CLIN 0005   | BG | 1,975,321.00  |                      |
| CLIN 0005   | BH | 38,018,908.00 |                      |
| CLIN 0005   | BL | 0.00          |                      |
| CLIN 0005   | BZ | 0.00          |                      |
|             |    |               | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50 |                      |
|             |    |               | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00     |                      |
| CLIN 0009AA | AV | 0.00          |                      |
| CLIN 0009AA | BK | 256,545.00    |                      |
| CLIN 0009AA | BM | 125,000.00    |                      |
| CLIN 0009AA | BN | 21,315.00     |                      |
|             |    |               | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00    |                      |
| CLIN 0009AB | AK | 85,000.00     |                      |
| CLIN 0009AB | AL | 45,000.00     |                      |
| CLIN 0009AB | AQ | 59,894.00     |                      |
| CLIN 0009AB | AR | 35,000.00     |                      |
| CLIN 0009AB | BK | 3,455.00      |                      |
| CLIN 0009AB | BN | 81,685.00     |                      |
| CLIN 0009AB | BU | 350,000.00    |                      |
| CLIN 0009AB | BV | 9,000.00      |                      |
|             |    |               | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00  |                      |
| CLIN 0013   | AX | 3,396,000.00  |                      |
| CLIN 0013   | AY | 0.00          |                      |
| CLIN 0013   | AZ | 19,412,000.00 |                      |
| CLIN 0013   | BJ | 7,898,834.79  |                      |
|             |    |               | <u>38,676,834.79</u> |

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|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$262,714,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$80,000,000.00  |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,325,127,797.00</u> |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |

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|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |
| CLIN 0024   | KW | 20,000.00    |                   |
| CLIN 0024   | LP | 83,200.00    |                   |
|             |    |              | <u>203,708.00</u> |

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|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

7. In consideration of the modification agreed to herein as complete equitable adjustment for the Modifying [REDACTED] Frequencies proposal submitted via Raytheon letter JLENS-23414-10-124, dated 21 September 2010, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.

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

(End of Summary of Changes)

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| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |   |  |  | 1. CONTRACT ID CODE<br><b>V</b>  | PAGE OF PAGES<br><b>1   8</b> |
|---|---|--|--|--|-------------------------------|
| AMENDMENT/MODIFICATION NO.<br><b>1224</b>   | 3. EFFECTIVE DATE<br><b>09-Dec-2010</b> | 4. REQUISITION/PURCHASE REQ. NO.   | 5. PROJECT NO. (If applicable)                             |  |                               |
| 6. ISSUED BY<br><b>USASMDC/ARSTRAT<br/>SMDC-RDC<br/>PO BOX 1500<br/>HUNTSVILLE AL 35807-3801</b>  | CODE<br><b>W9113M</b>                   | 7. ADMINISTERED BY (If other than item 6)<br><b>DCMA RAYTHEON<br/>50 APPLE HILL DRIVE<br/>M/S T2FR2<br/>TEWKSBURY MA 01876</b> |  | CODE<br><b>S2205A</b>  |                               |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br><b>RAYTHEON COMPANY<br/>350 LOWELL ST.<br/>ANDOVER MA 01810-4400</b>   |   |  |  | 9A. AMENDMENT OF SOLICITATION NO.  |                               |
|   |   |  |  | 9B. DATED (SEE ITEM 11)  |                               |
|   |   |  |  | <input checked="" type="checkbox"/> 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b> |                               |
|   |   |  |  | <input checked="" type="checkbox"/> 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>             |                               |
| CODE <b>05716</b>   |   | FACILITY CODE  |  |  |                               |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |   |  |  |  |                               |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |   |  |  |  |                               |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS.<br>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<br>CONTRACT ORDER NO. IN ITEM 10A.   |   |  |  |  |                               |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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:  |   |  |  |  |                               |
| <input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority)<br><b>UNILATERAL: FAR 52.232-22, "Limitation of Funds"</b>  |   |  |  |  |                               |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number: <span style="background-color: black; color: black;">[REDACTED]</span><br>To increase incremental funding for SubCLIN 0017AA in the amount of \$52,500,000.  |   |  |  |  |                               |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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. CONTRACTOR/OFFEROR   |   |  | 16B. UNITED STATES OF AMERICA                              |  |                               |
| (Signature of person authorized to sign)  |   |  | (Signature of Contracting Officer)                         |  |                               |
| 15C. DATE SIGNED  |   |  | 16C. DATE SIGNED   |  |                               |
|   |   |  | <b>09-Dec-2010</b>   |  |                               |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002049

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. 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 \$52,500,000.00 from \$1,550,468,149.81 to \$1,602,968,149.81.

SUBCLIN 0017AA:

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$52,500,000.00 from \$80,000,000.00 to \$132,500,000.00

Target Cost, Target Fee, and Total for the above increase of \$52,500,000 is distributed as follows and includes an increase in target cost of [REDACTED] cost and [REDACTED] of facilities capital cost of money) and an increase in target incentive fee [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$52,500,000 |

(b)(4)  
(b)(4)

(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,087,940  | \$ 0                     | \$ 1,576,087,940         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED]               |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED]               |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,325,127,797 | \$52,500,000             | \$ 1,377,627,797         |
| (5) Net Amount Required for Full Funding                       | \$ 250,960,143   | ( \$52,500,000)          | \$ 198,460,143           |

(b)(4)

(b)(4)

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

2. The following is an update to Modification P00223 showing a summary of funding by ACRN through Modification P00224:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |

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|    |                |
|----|----------------|
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |

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|    |                  |
|----|------------------|
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$262,714,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$132,500,000.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00223 showing a summary of funding by CLIN by ACRN through Modification P00224:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |

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|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |

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|             |    |                         |
|-------------|----|-------------------------|
| CLIN 0013   | AY | 0.00                    |
| CLIN 0013   | AZ | 19,412,000.00           |
| CLIN 0013   | BJ | 7,898,834.79            |
|             |    | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00                    |
| CLIN 0017   | KM | 0.00                    |
|             |    | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00            |
| CLIN 0017AA | BX | 1,146,000.00            |
| CLIN 0017AA | BW | 84,896,852.00           |
| CLIN 0017AA | BZ | 0.00                    |
| CLIN 0017AA | KM | 192,793,000.00          |
| CLIN 0017AA | KN | 0.00                    |
| CLIN 0017AA | KQ | 66,151.00               |
| CLIN 0017AA | KS | 0.00                    |
| CLIN 0017AA | KT | 386,204,200.00          |
| CLIN 0017AA | KU | 2,203,183.00            |
| CLIN 0017AA | KY | 0.00                    |
| CLIN 0017AA | LC | 200,000.00              |
| CLIN 0017AA | LD | 7,943,648.00            |
| CLIN 0017AA | LE | 0.00                    |
| CLIN 0017AA | LH | 400,000.00              |
| CLIN 0017AA | LJ | 7,476.00                |
| CLIN 0017AA | LK | 281,575,897.00          |
| CLIN 0017AA | LQ | 235,566.00              |
| CLIN 0017AA | LS | 6,069,616.00            |
| CLIN 0017AA | LT | 530,377.00              |
| CLIN 0017AA | LU | \$9,100,000.00          |
| CLIN 0017AA | LV | \$1,957,265.00          |
| CLIN 0017AA | LW | \$255,567.00            |
| CLIN 0017AA | LX | \$68,000.00             |
| CLIN 0017AA | LY | \$262,714,555.00        |
| CLIN 0017AA | MB | \$375,000.00            |
| CLIN 0017AA | MC | \$2,283,481.00          |
| CLIN 0017AA | MD | \$8,573.00              |
| CLIN 0017AA | ME | \$0.00                  |
| CLIN 0017AA | MF | \$132,500,000.00        |
| CLIN 0017AA | MH | \$213,390.00            |
|             |    | <u>1,377,627,797.00</u> |
| CLIN 0017AB | KL | 118,250.00              |

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|             |    |              |                   |
|-------------|----|--------------|-------------------|
|             |    |              | <u>118,250.00</u> |
| CLIN 0017AC | BZ | 190,000.00   |                   |
|             |    |              | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |

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|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002056

| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |  |   | 1. CONTRACT ID CODE<br><b>V</b>  | PAGE OF PAGES<br><b>1   8</b> |
|---|--|--|---|--|-------------------------------|
| 2. AMENDMENT/MODIFICATION NO<br><b>10225</b>  |  | 3. EFFECTIVE DATE<br><b>04-Jan-2011</b>                      |   | 4. REQUISITION/PURCHASE REQ. NO.                                       |                               |
| 5. PROJECT NO (If applicable)   |  | 6. ADMINISTERED BY (If other than item 6) CODE <b>S2205A</b> |   |  |                               |
| ISSUED BY<br>USASMDG/ARSTRAT<br>SMDC-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801   |  | CODE <b>W9113M</b>   |   | DCMARAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |                               |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST<br>ANDOVER MA 01810-4400   |  |  |   | 9A. AMENDMENT OF SOLICITATION NO.                                      |                               |
|   |  |  |   | 9B. DATED (SEE ITEM 11)  |                               |
|   |  |  |   | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASC60-98-C-0001</b>           |                               |
|   |  |  |   | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>                       |                               |
| CODE <b>05716</b>   |  | FACILITY CODE  |   |  |                               |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |  |  |   |  |                               |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |  |   |  |                               |
| <b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br/>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>   |  |  |   |  |                               |
| A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |  |   |  |                               |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br><b>UNILATERAL: FAR 52.232-22, "Limitation of Funds"</b>  |  |  |   |  |                               |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number: <span style="background-color: black; color: black;">XXXXXXXXXX</span><br>To increase incremental funding for SubCLIN 0017AA in the amount of \$25,390,000.  |  |  |   |  |                               |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)  |  |                               |
|   |  |  | TEL <span style="background-color: black; color: black;">XXXXXXXXXX</span> EMA <span style="background-color: black; color: black;">XXXXXXXXXX</span> |  |                               |
| 15B. CONTRACTOR/OFFEROR   |  | 15C. DATE SIGNED   |   | 16B. UNITED STATES OF AMERICA  |                               |
| (Signature of person authorized to sign)  |  |  |   | (Signature of Contracting Officer)                                     |                               |
|   |  |  |   | 16C. DATE SIGNED<br><b>04-Jan-2011</b>                                 |                               |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002057

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

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 \$25,390,000.00 from \$1,602,968,149.81 to \$1,628,358,149.81.

SUBCLIN 0017AA:

LY: 21 0 2040 5L 5L68 P172419E555L 255Y 4M0J730000 S01021 4M0J730000/04MJLE/4M5 was increased by \$390,000.00 from \$262,714,555.00 to \$263,104,555.00

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$25,000,000.00 from \$132,500,000.00 to \$157,500,000.00

Target Cost, Target Fee, and Total for the above increase of \$25,390,000 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$25,390,000 |

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,087,940  | \$ 0                     | \$ 1,576,087,940         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,377,627,797 | \$25,390,000             | \$ 1,403,017,797         |
| (5) Net Amount Required for Full Funding                       | \$ 198,460,143   | (\$25,390,000)           | \$ 173,070,143           |

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

2. The following is an update to Modification P00224 showing a summary of funding by ACRN through Modification P00225:

ACRN      FUNDING

062058

|    |                |
|----|----------------|
| AA | 440,100.00     |
| AB | 2,298,235.00   |
| AC | 17,832,987.00  |
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |

002059

|    |                  |
|----|------------------|
| KT | 386,377,998.00   |
| KU | 2,203,183.00     |
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$263,104,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$157,500,000.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00224 showing a summary of funding by CLIN by ACRN through Modification P00225:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |

002060



|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AC | 17,832,987.00        |
| CLIN 0003   | AD | 0.00                 |
| CLIN 0003   | AE | 7,500,000.00         |
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |

002061

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0013   | AU | 7,970,000.00     |                         |
| CLIN 0013   | AX | 3,396,000.00     |                         |
| CLIN 0013   | AY | 0.00             |                         |
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,898,834.79     |                         |
|             |    |                  | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$263,104,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$157,500,000.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,403,017,797.00</u> |

002062

|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AB | KL | 118,250.00   |                   |
|             |    |              | <u>118,250.00</u> |
| CLIN 0017AC | BZ | 190,000.00   |                   |
|             |    |              | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |

002063

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LA | 13,508.00    |                     |
| CLIN 0024 | LG | 62,000.00    |                     |
| CLIN 0024 | KZ | 25,000.00    |                     |
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002064

|   |  |   |  |  |  |  |  |
|---|--|---|--|--|--|--|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   8</b>          |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>00226</b>   |  | 3. EFFECTIVE DATE<br><b>13-Jan-2011</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable)         |  |
| 6. ISSUED BY<br><b>USASMDC/ARSTRAT</b><br><b>SMDC-RDC</b><br><b>PO BOX 1500</b><br><b>HUNTSVILLE AL 35807-3801</b>  |  | CODE<br><b>W9113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br><b>DCMA RAYTHEON</b><br><b>50 APPLE HILL DRIVE</b><br><b>M/S T2FR2</b><br><b>TEWKSBURY MA 01876</b> |  | CODE<br><b>S2205A</b>                  |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br><b>RAYTHEON COMPANY</b><br><b>350 LOWELL ST</b><br><b>ANDOVER MA 01810-4400</b>  |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |  |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)  |  |  |  |
|   |  |   |  | <input checked="" type="checkbox"/> 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b>   |  |  |  |
|   |  |   |  | <input checked="" type="checkbox"/> 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>   |  |  |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |  |  |  |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |   |  |  |  |  |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |  |  |  |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS<br>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:  |  |   |  |  |  |  |  |
| <input checked="" type="checkbox"/> D. OTHER (Specify type of modification and authority)<br><b>UNILATERAL: FAR 52.232-22, "Limitation of Funds"</b>  |  |   |  |  |  |  |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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.)<br>Modification Control Number: <span style="background-color: black; color: black;">XXXXXXXXXX</span><br>To increase incremental funding for SubCLIN 0017AA in the amount of \$37,271,952.   |  |   |  |  |  |  |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |  |  |
| <div style="background-color: black; height: 1.2em; width: 100%;"></div>  |  |   |  | <div style="background-color: black; height: 1.2em; width: 100%;"></div>   |  |  |  |
| 15B. CONTRACTOR/OFFEROR   |  |   |  | 15C. DATE SIGNED   |  | 16B. UNITED STATES OF AMERICA          |  |
| <div style="background-color: black; height: 1.2em; width: 100%;"></div><br>(Signature of person authorized to sign)  |  |   |  | <div style="background-color: black; height: 1.2em; width: 100%;"></div><br>(Signature of Contracting Officer)                                   |  | 16C. DATE SIGNED<br><b>13-Jan-2011</b> |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04  
**002065**

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

1. 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 \$37,271,952.00 from \$1,628,358,149.81 to \$1,665,630,101.81.

SUBCLIN 0017AA:

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$37,271,952.00 from \$157,500,000.00 to \$194,771,952.00

Target Cost, Target Fee, and Total for the above increase of \$37,271,952 is distributed as follows and includes an increase in target cost of [REDACTED] (\$ [REDACTED] of cost and [REDACTED] 18 of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$37,271,952 |

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,087,940  | \$ 0                     | \$ 1,576,087,940         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED] (b)(4)        |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,403,017,797 | \$37,271,952             | \$ 1,440,289,749         |
| (5) Net Amount Required for Full Funding                       | \$ 173,070,143   | (\$37,271,952)           | \$ 135,798,191           |

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

2. The following is an update to Modification P00225 showing a summary of funding by ACRN through Modification P00226:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |

002066

|    |                |
|----|----------------|
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | \$ 146,000.00  |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |
| KW | 20,000.00      |

002067

|    |                  |
|----|------------------|
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$263,104,555.00 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$194,771,952.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00225 showing a summary of funding by CLIN by ACRN through Modification P00226:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |
| CLIN 0003   | AF          | 3,300,000.00       |                   |

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|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |
| CLIN 0013   | AY | 0.00                 |

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|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,898,834.79     |                         |
|             |    |                  | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$263,104,555.00 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$194,771,952.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,440,289,749.00</u> |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |

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|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AC | BZ | 190,000.00   | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |
| CLIN 0024   | KW | 20,000.00    |                   |

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|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002072

|  |  |                                       |  |  |  |                                |  |
|--|--|---------------------------------------|--|--|--|--------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>  |  |                                       |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   6</b>  |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00227</b>   |  | 3. EFFECTIVE DATE<br><b>27 JAN 11</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable) |  |
| 6. ISSUED BY<br>USASMD/ARSTRAT<br>SMD-C-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801   |  | CODE<br><b>W9113M</b>                 |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>MIS T2FR2<br>TEMPLESBURY MA 01876 |  | CODE<br><b>S2205A</b>          |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400   |  |                                       |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |                                |  |
|  |  |                                       |  | 9B. DATED (SEE ITEM 11)  |  |                                |  |
|  |  |                                       |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001  |  |                                |  |
|  |  |                                       |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998  |  |                                |  |
| CODE <b>05716</b>  |  | FACILITY CODE                         |  |  |  |                                |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS  |  |                                       |  |  |  |                                |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)  |  |                                       |  |  |  |                                |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br>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).  |  |                                       |  |  |  |                                |  |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>FAR 43.103(a)(3), Mutual Agreement   |  |                                       |  |  |  |                                |  |
| D. OTHER (Specify type of modification and authority)  |  |                                       |  |  |  |                                |  |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.  |  |                                       |  |  |  |                                |  |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)<br>Modification Control Number: [REDACTED]<br>To revise Section H, "Incentive Fee Structure and Payment for CLIN 0017, System Development and Demonstration (SDD)," to document a fee penalty [REDACTED] due to a schedule delay for System Capability Review (SCR) 1 and to revise Section J, "Performance Incentive Fee Criteria/Evidence," to reflect the penalty.  |  |                                       |  |  |  |                                |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.   |  |                                       |  |  |  |                                |  |
| 15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)   |  |                                       |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)   |  |                                |  |
| [REDACTED]   |  |                                       |  | [REDACTED]   |  |                                |  |
| 15B. CONTRACTING OFFICER   |  | 15C. DATE SIGNED                      |  | 16B. SIGNATURE OF CONTRACTING OFFICER  |  | 16C. DATE SIGNED               |  |
| [REDACTED]   |  | 26 JAN 2011                           |  | [REDACTED]   |  | 27 Jan 11                      |  |
| (Signature of Contracting Officer)   |  |                                       |  | (Signature of Contracting Officer)   |  |                                |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002073

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

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

1. SECTION H – SPECIAL CONTRACT REQUIREMENTS is revised as follows:

Paragraph H-19, INCENTIVE FEE STRUCTURE AND PAYMENT FOR CLIN 0017, SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD), subparagraph c (2), is 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 \$1,576,087,940 includes a target cost of [REDACTED] (which includes [REDACTED] of cost and [REDACTED] facilities capital cost of money) and a target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

b. Cost Incentive.

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

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

(3) The minimum fee payable under SubCLIN 0017AA [REDACTED] of the target cost less facilities capital cost of money [REDACTED] amount equal to [REDACTED]

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

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

c. Schedule and Performance Incentive.

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

(b)(4)

(b)(4)

(a) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED]

(b)(4)

(b)(6)

(b) [REDACTED] % of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(4)

(b)(6)

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(2) An additional performance incentive fee pool of [REDACTED] (maximum) is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(b)(4)

(a) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b)(4)

(b) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-2.

(b)(4)

(c) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-3.

(b)(4)

(d) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by LUT.

(b)(4)

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

(3) For Earned Value and cost reporting purposes, the target cost value of \$1,446,946,473 will be used.

## 2. SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

| <u>TITLE</u>  | <u>DATE</u>                      | <u># OF PAGES</u> |
|---|----------------------------------|-------------------|
| Contract Security Classification Specification (DD Form 254),<br>Revision 11 (Added per Modification P00187)<br>(DD Form 254 mailed via US Postal Service)  | 14 May 09                        | 11                |
| JLENS Software Source Code Specifically Negotiated License, 04 Sep 08<br>License Number JLENS-SWLA-01<br>(Added per Modification P00166)  |                                  | 8                 |
| <u>CLIN 0017:</u><br>JLENS System Development and Demonstration<br>(SDD) Program Statement of Work (Revised by<br>Incorporating CSDR Plans dated 20 Febr 2007 in<br>Appendix C per Modification P00136) | 30 Nov 06 -<br>Revised 20 Feb 07 | 37                |
| JLENS System Development and Demonstration<br>(SDD) Program Statement of Work<br>(Added per Modification P00187)  | Revised 06 Apr 09                | 38                |

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JLENS System Development and Demonstration  
(SDD) Program Statement of Work, Revision 2  
(Added per Modification P00207)  
(b) (3) (A)

Revised 09 Mar 10 36

March 08 1

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)

01 Dec 06 63

Revised 05 Apr 07

Revised 24 Oct 07

Revised 11 Jul 08 1

Contract Data Requirements List (DD Form 1423)  
Exhibit A, Data Item Nos. B001 and B014  
(Added per Modification P00187)

Revised 07 May 09 2

Contract Data Requirements List (DD Form 1423)  
Exhibit A, Data Item Nos. B002 through B062 (less B014 )  
(Added per Modification P00187)

Revised 20 Mar 09 60

\*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

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

For record-keeping purposes  
(Per Mod P00143)

Replaced with Revision C List  
(Per Modification P00183)

09 Mar 09 12

Replaced with Revision D List  
(Per Modification P00207)

23 Feb 10 11

\*\*Per the DCMA and [REDACTED] 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)

(b)(3(A))

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(b)(3)  
(A)

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: [REDACTED]

(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.

JLENS Performance Specification, MIS-PRF-55628,  
Revision A

27 Jun 08

136

(Added by reference per Modification P00168)

Annex A to the JLENS Performance Specification,  
MIS-PRF-55628, Revision A

27 Jun 08

10

(Added by reference per Modification P00168)

JLENS SDD DD250 Plan

11 Dec 09

5

(Added per Modification P00207)

Performance Incentive Fee Criteria/Evidence  
(Revised per Modification P00227)

Undated

8

CLINs 0023 and 00024

JLENS Simulation Support  
SOW dated 28 January 2008

28 January 2008

2 pages

Simulation Support Tasks

(b)(3)(A)

(Added per Mod P00160)

CLIN 0025

JLENS Integrated Fire Control Demonstration Program  
Statement of Work, Revision 5  
(Added per Modification P00211)

14 Sep 09

3

JLENS Integrated Fire Control Demonstration Program  
Program and Technical Clarification Description,  
incorporated herein by reference

30 Mar 10

26

002077

(Added per Modification P00211)

|   |           |    |
|---|-----------|----|
| Contract Data Requirements List (DD Form 1423)<br>Exhibit B, Data Items Nos. B001 through B004, with<br>Data Item Descriptions<br>(Added per Modification P00165) | 16 Oct 07 | 19 |
|---|-----------|----|

|  |           |   |
|--|-----------|---|
| Contract Data Requirements List (DD Form 1423),<br>CLIN 0028, Exhibit B, Data Item Nos. B001 through B006<br>(Added per Modification P00211) | 16 Jun 10 | 6 |
|--|-----------|---|

CLIN 0027

|   |         |   |
|---|---------|---|
| JLENS System Integration Lab (SIL)<br>Equipment List<br>(Added per Modification P00196) | Undated | 6 |
|---|---------|---|

|   |           |   |
|---|-----------|---|
| Revision to System Integration Lab (SIL)<br>Equipment List<br>(Added per Modification P00217) | 02 Aug 10 | 6 |
|---|-----------|---|

(End of Summary of Changes)

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# Performance Incentive Fee Criteria/Evidence

|  | %    | Criteria   | Evidence  |
|--|------|--|---|
|  |      | SQT/FVTs tied to VSRs ....   | VIS, VSR, Capability Matrix, Scenario results, Contractor SIL results, Analysis results |
|  |      | SCR Held on Schedule. Delivery of presentation material, meeting minutes, action items and attendees | CDRL B001 and B014  |
|  |      | 4 Scenarios sucessfully run in CMDS SIL and matched to contractor SIL results                        | Successful scenario results   |
|  |      | SQT/FVTs tied to VSRs ....   | VIS, VSR, Capability Matrix, Scenario results, Contractor SIL results, Analysis results |
|  |      | SCR Held on Schedule. Delivery of presentation material, meeting minutes, action items and attendees | CDRL B001 and B014  |
|  |      | 4 Scenarios sucessfully run in CMDS SIL and matched to contractor SIL results                        | Successful scenario results   |
|  |      | SQT/FVTs tied to VSRs ....   | VIS, VSR, Capability Matrix, Scenario results, Contractor SIL results, Analysis results |
|  |      | SCR Held on Schedule. Delivery of presentation material, meeting minutes, action items and attendees | CDRL B001 and B014  |
|  |      | 4 Scenarios sucessfully run in CMDS SIL and matched to contractor SIL results                        | Successful scenario results   |
|  | 100% | Training material complete and issues resolved prior to start of LUT                                 | Training certificates, hard copies, functional check                                    |

002079 (b)(4)

# System Capability 1



002080 (b)(4)

|  |  |   |  |
|--|--|---|--|
| <div></div>   | <div></div>   | <p>1. Applicable Verification Information Sheets (VIS) and Verification Summary Reports (VSRs) for the System and each Prime Item are complete. (5%)</p> <p>2. Validate through analysis, test or demonstration applicable Orbit-level integrated functionality. (10%)</p> <p>3. Applicable SW builds are integrated and functional in the contractor System Integration Lab (SIL) and approved scenarios have been successfully run in the contractor SIL.(80%)</p> <p>4. Supporting analysis which predicts successful test</p> | <p>1. Applicable VISs* and completed VSRs are receipted by the JPO NLT 30 days prior to the upcoming SCR. In cases where a completed VSR is not available, the test artifacts will be receipted by the JPO NLT 30 days prior to the upcoming SCR.</p> <p>2. Capability Matrix Documented showing which requirements are to be demonstrate during the review or test.</p> <p>3a. Scenario results demonstrate the successful implementation of applicable functionality and key requirements related to the upcoming SCR.</p> <p>3b. SIL results receipted by the JPO.</p> <p>4. Analysis results are complete and receipted by</p> |
| <div></div> | <div></div> | <p>1. SCR is held NLT the contract IMS date IAW CDRL B001 and B014.</p>   | <p>SCR presentation material, meeting minutes, action items and attendees.</p>   |
| <div></div> | <div></div> | <p>1. 4 Scenarios are run the the CMDS SIL and have been successfully matched to scenarios that have been run the the contractor SIL.</p>   | <p>1. Scenario results deomnstrate the successful implementation of the simulation scenarios in the CMDS SIL with comparable results to the contractor SIL.</p>  |

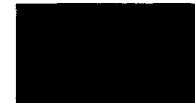
# System Capability 2



|  | % | Criteria  | Evidence   |
|--|---|---|--|
|  |   | 1. Applicable Verification Information Sheets (VIS) and Verification Summary Reports (VSRs) for the System and each Prime Item are complete. (5%)                                   | 1. Applicable VISs* and completed VSRs are receipted by the JPO NLT 30 days prior to the upcoming SCR. In cases where a completed VSR is not available, the test artifacts will be receipted by the JPO NLT 30 days prior to the upcoming SCR. |
|  |   | 2. Validate through analysis, test or demonstration applicable Orbit-level integrated functionality. (10%)  | 2. Capability Matrix Documented showing which requirements are to be demonstrate during the review or test.  |
|  |   | 3. Applicable SW builds are integrated and functional in the contractor System Integration Lab (SIL) and approved scenarios have been successfully run in the contractor SIL. (80%) | 3a. Scenario results demonstrate the successful implementation of applicable functionality and key requirements related to the upcoming SCR.<br><br>3b. SIL results receipted by the JPO.  |
|  |   | 4. Supporting analysis which predicts successful test execution complete. (5%)  | 4. Analysis results are complete and receipted by the JPO NLT 15 days prior to the SCR.  |
|  |   | 1. SCR is held NLT the contract IMS date IAW CDRL B001 and B014.  | SCR presentation material, meeting minutes, action items and attendees.  |
|  |   | 1. 4 Scenarios are run the the CMDS SIL and have been successfully matched to scenarios that have been run the the contractor SIL.  | 1. Scenario results deomnstrate the successful implementation of the simulation scenarios in the CMDS SIL with comparable results to the contractor SIL.   |

002081 (b)(4)

# System Capability 3



002082 (b)(4)

|  | % | Criteria  | Evidence   |
|--|---|---|--|
|  |   | 1. Applicable Verification Information Sheets (VIS) and Verification Summary Reports (VSRs) for the System and each Prime Item are complete. (5%)                                   | 1. Applicable VISs* and completed VSRs are receipted by the JPO NLT 30 days prior to the upcoming SCR. In cases where a completed VSR is not available, the test artifacts will be receipted by the JPO NLT 30 days prior to the upcoming SCR. |
|  |   | 2. Validate through analysis, test or demonstration applicable Orbit-level integrated functionality. (10%)  | 2. Capability Matrix Documented showing which requirements are to be deomstrate during the review or test.   |
|  |   | 3. Applicable SW builds are integrated and functional in the contractor System Integration Lab (SIL) and approved scenarios have been successfully run in the contractor SIL. (80%) | 3a. Scenario results demonstrate the successful implementation of applicable functionality and key requirements related to the upcoming SCR.<br><br>3b. SIL results receipted by the JPO.  |
|  |   | 4. Supporting analysis which predicts successful test execution complete. (5%)  | 4. Analysis results are complete and receipted by the JPO NLT 15 days prior to the SCR.  |
|  |   | 1. SCR is held NLT the contract IMS date IAW CDRL B001 and B014.  | SCR presentation material, meeting minutes, action items and attendees.  |
|  |   | 1. 4 Scenarios are run the the CMDS SIL and have been successfully matched to scenarios that have been run the the contractor SIL.  | 1. Scenario results deomnstrate the successful implementation of the simulation scenarios in the CMDS SIL with comparable results to the contractor SIL.   |

# LUT IFC [REDACTED]

002083 (b)(4)

| [REDACTED] | %          | Criteria   | Evidence  | Notes |
|------------|------------|--|---|-------|
| [REDACTED] | [REDACTED] | All scheduled training classes have been conducted   | Training certificates issued to Soldiers                              |       |
| [REDACTED] | [REDACTED] | IETP is in place and operational on the system IAW schedule                                    | Functional check  |       |
| [REDACTED] | [REDACTED] | Embedded Training scenario's are generated and the Soldiers have been trained for using them   | Functional check  |       |
| [REDACTED] | [REDACTED] | An agreed upon list of LRU replacements is in place and the Soldiers have been trained on them | Hard copy of approved list  |       |
| [REDACTED] | [REDACTED] | All issues found in the proceeding Force Development Exercise (FDE) have been resolved         | FDE After Action Review (AAR) and actions taken to address each issue |       |

# Applicable SCR VIS Steps

SCR1 Applicable VIS Steps

SCR2 Applicable VIS Steps

SCR3 Applicable VIS Steps



(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)



# SIL Comparison

| Scenario Name      | Description | Status | Associated Mission Number | Associated Mission Name | FCR | SuR | CPG |
|--------------------|-------------|--------|---------------------------|-------------------------|-----|-----|-----|
| [Redacted Content] |             |        |                           |                         |     |     |     |

(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)

002085

|   |  |   |  |   |  |                                      |  |
|---|--|---|--|---|--|--------------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>   |  | PAGE OF PAGES<br><b>1</b>   <b>8</b> |  |
| AMENDMENT/MODIFICATION NO.<br><b>1228</b>   |  | 3. EFFECTIVE DATE<br><b>11-Feb-2011</b> |  | 4. REQUISITION/PURCHASE REQ. NO.  |  | 5. PROJECT NO. (If applicable)       |  |
| 6. ISSUED BY<br>USASMDG/ARSTRAT<br>SMDG-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801  |  | CODE<br><b>W9113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876                                      |  | CODE<br><b>S2205A</b>                |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST<br>ANDOVER MA 01810-4400   |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.   |  |                                      |  |
|   |  |   |  | 9B. DATED (SEE ITEM 11)   |  |                                      |  |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001   |  |                                      |  |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998   |  |                                      |  |
| CODE <b>05716</b>   |  | FACILITY CODE                           |  |   |  |                                      |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |   |  |   |  |                                      |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |   |  |                                      |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS<br>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<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |   |  |   |  |                                      |  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br>UNILATERAL: FAR 52.232-22, "Limitation of Funds"   |  |   |  |   |  |                                      |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number: <span style="background-color: black; color: black;">[REDACTED]</span><br>To increase incremental funding for SubCLIN 0017AA in the amount of \$732,282.74.  |  |   |  |   |  |                                      |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)  |  |                                      |  |
|   |  |   |  | TEL: <span style="background-color: black; color: black;">[REDACTED]</span> EMAIL: <span style="background-color: black; color: black;">[REDACTED]</span> |  |                                      |  |
| 15B. CONTRACTOR/OFFEROR   |  | 15C. DATE SIGNED                        |  | 16B. UNITED STATES OF AMERICA   |  | 16C. DATE SIGNED                     |  |
| (Signature of person authorized to sign)  |  |   |  | BY <span style="background-color: black; color: black;">[REDACTED]</span>   |  | 11-Feb-2011                          |  |
|   |  |   |  | (Signature of Contracting Officer)  |  |                                      |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002086

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

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

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 \$732,282.74 from \$1,665,630,101.81 to \$1,666,362,384.55.

SUBCLIN 0017AA:

LY: 21 0 2040 5L 5L68 P172419E555L 255Y 4M0J730000 S01021 4M0J730000/04MJLE/4M5 was increased by \$732,282.74 from \$263,104,555.00 to \$263,836,837.74

Target Cost, Target Fee, and Total for the above increase of \$732,282.74 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which [REDACTED] target cost less facilities capital cost of money.

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$732,282.74 |

(b)(4)  
(b)(4)

(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>     | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |        |
|--|------------------|--------------------------|--------------------------|--------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,087,940  | \$ 0                     | \$ 1,576,087,940         |        |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]       | [REDACTED]               | [REDACTED]               | (b)(4) |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]       | [REDACTED]               | [REDACTED]               | (b)(4) |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,440,289,749 | \$732,282.74             | \$ 1,441,022,031.74      |        |
| (5) Net Amount Required for Full Funding                       | \$ 135,798,191   | (\$732,282.74)           | \$ 135,065,908.26        |        |

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

2. The following is an update to Modification P00226 showing a summary of funding by ACRN through Modification P00228:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |

002087

|    |                |
|----|----------------|
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |

002088

|    |                  |
|----|------------------|
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$263,836,837.74 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$194,771,952.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00226 showing a summary of funding by CLIN by ACRN through Modification P00228:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |

002089

|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00         |
| CLIN 0013   | AX | 3,396,000.00         |

002090

|             |    |                         |
|-------------|----|-------------------------|
| CLIN 0013   | AY | 0.00                    |
| CLIN 0013   | AZ | 19,412,000.00           |
| CLIN 0013   | BJ | 7,898,834.79            |
|             |    | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00                    |
| CLIN 0017   | KM | 0.00                    |
|             |    | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00            |
| CLIN 0017AA | BX | 1,146,000.00            |
| CLIN 0017AA | BW | 84,896,852.00           |
| CLIN 0017AA | BZ | 0.00                    |
| CLIN 0017AA | KM | 192,793,000.00          |
| CLIN 0017AA | KN | 0.00                    |
| CLIN 0017AA | KQ | 66,151.00               |
| CLIN 0017AA | KS | 0.00                    |
| CLIN 0017AA | KT | 386,204,200.00          |
| CLIN 0017AA | KU | 2,203,183.00            |
| CLIN 0017AA | KY | 0.00                    |
| CLIN 0017AA | LC | 200,000.00              |
| CLIN 0017AA | LD | 7,943,648.00            |
| CLIN 0017AA | LE | 0.00                    |
| CLIN 0017AA | LH | 400,000.00              |
| CLIN 0017AA | LJ | 7,476.00                |
| CLIN 0017AA | LK | 281,575,897.00          |
| CLIN 0017AA | LQ | 235,566.00              |
| CLIN 0017AA | LS | 6,069,616.00            |
| CLIN 0017AA | LT | 530,377.00              |
| CLIN 0017AA | LU | \$9,100,000.00          |
| CLIN 0017AA | LV | \$1,957,265.00          |
| CLIN 0017AA | LW | \$255,567.00            |
| CLIN 0017AA | LX | \$68,000.00             |
| CLIN 0017AA | LY | \$263,836,837.74        |
| CLIN 0017AA | MB | \$375,000.00            |
| CLIN 0017AA | MC | \$2,283,481.00          |
| CLIN 0017AA | MD | \$8,573.00              |
| CLIN 0017AA | ME | \$0.00                  |
| CLIN 0017AA | MF | \$194,771,952.00        |
| CLIN 0017AA | MH | \$213,390.00            |
|             |    | <u>1,441,022,031.74</u> |
| CLIN 0017AB | KL | 118,250.00              |

002091

|             |    |              |                   |
|-------------|----|--------------|-------------------|
|             |    |              | <u>118,250.00</u> |
| CLIN 0017AC | BZ | 190,000.00   |                   |
|             |    |              | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |

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|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002093

|   |  |                                       |  |  |  |                                      |  |
|---|--|---------------------------------------|--|--|--|--------------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |                                       |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   5</b>        |  |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00229</b>  |  | 3. EFFECTIVE DATE<br><b>11 MAR 11</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable)       |  |
| 6. ISSUED BY<br>USASMC/ARSTRAT<br>SMOC-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3901   |  | CODE<br><b>W9113M</b>                 |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T8FR2<br>TEMPERLEY MA 01876 |  | CODE<br><b>S2205A</b>                |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>360 LOWELL ST.<br>ANDOVER MA 01810-4400  |  |                                       |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |                                      |  |
|   |  |                                       |  | 9B. DATED (SEE ITEM 11)  |  |                                      |  |
|   |  |                                       |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001  |  |                                      |  |
|   |  |                                       |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998  |  |                                      |  |
| CODE <b>05716</b>   |  |                                       |  | FACILITY CODE  |  |                                      |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |                                       |  |  |  |                                      |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.<br>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:<br>(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. If by virtue of this amendment you desire 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. |  |                                       |  |  |  |                                      |  |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required)   |  |                                       |  |  |  |                                      |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br>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).   |  |                                       |  |  |  |                                      |  |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103(a)(3), Mutual Agreement   |  |                                       |  |  |  |                                      |  |
| D. OTHER (Specify type of modification and authority)   |  |                                       |  |  |  |                                      |  |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.   |  |                                       |  |  |  |                                      |  |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)<br>Modification Control Number: <b>[REDACTED]</b><br>The purpose of this modification is to revise Section J, List of Documents, Exhibits and Other Attachments, to incorporate three (3) no cost Engineering Change Proposals (ECPs). The parties agree that incorporation of these ECPs will not result in a change to the contract terms and conditions or the total contract cost.  |  |                                       |  |  |  |                                      |  |
| Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  |  |                                       |  |  |  |                                      |  |
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br><b>[REDACTED]</b>  |  |                                       |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br><b>[REDACTED]</b>                                      |  |                                      |  |
| 15B. <b>[REDACTED]</b>  |  |                                       |  | 15C. DATE SIGNED<br><b>10 MAR 2011</b>   |  | 16C. DATE SIGNED<br><b>11 MAR 11</b> |  |
| <b>[REDACTED]</b>   |  |                                       |  | (Signature of Contracting Officer)   |  |                                      |  |

APPROVED BY OIRM 11-84

30-105-04

002094

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


(b)(6)  
(b)(6)

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

| <u>TITLE</u>  | <u>DATE</u>  | <u># OF PAGES</u> |
|---|--|-------------------|
| Contract Security Classification Specification (DD Form 254),<br>Revision 11 (Added per Modification P00187)<br>(DD Form 254 mailed via US Postal Service)  | 14 May 09  | 11                |
| JLENS Software Source Code Specifically Negotiated License, 04 Sep 08<br>License Number JLENS-SWLA-01<br>(Added per Modification P00166)  |  | 8                 |
| <u>CLIN 0017:</u><br>JLENS System Development and Demonstration<br>(SDD) Program Statement of Work (Revised by<br>Incorporating CSDR Plans dated 20 Febr 2007 in<br>Appendix C per Modification P00136)   | 30 Nov 06 -<br>Revised 20 Feb 07   | 37                |
| JLENS System Development and Demonstration<br>(SDD) Program Statement of Work<br>(Added per Modification P00187)  | Revised 06 Apr 09  | 38                |
| JLENS System Development and Demonstration<br>(SDD) Program Statement of Work, Revision 2<br>(Added per Modification P00207)  | Revised 09 Mar 10  | 36                |
|    | March 08   | 1                 |
|   |  | (b)(3)(A)         |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A with Distribution List & Data Item<br>Nos. B001 through B062<br>(Replace Data Item Nos. B026 and B027, only<br>Per Modification P00136)<br>(Replace Data Item Nos. B048 and B049, only<br>Per Modification P00143 & to add statement in<br>Section A of Modification P00143)<br>(Replace Data Item No. B033 only, per<br>Modification P00161) | 01 Dec 06<br><br>Revised 05 Apr 07<br>Revised 24 Oct 07<br>Revised 11 Jul 08 | 63<br><br>1       |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A, Data Item Nos. B001 and B014<br>(Added per Modification P00187)  | Revised 07 May 09  | 2                 |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A, Data Item Nos. B002 through B062 (less B014 )<br>(Added per Modification P00187)   | Revised 20 Mar 09  | 60                |

002095

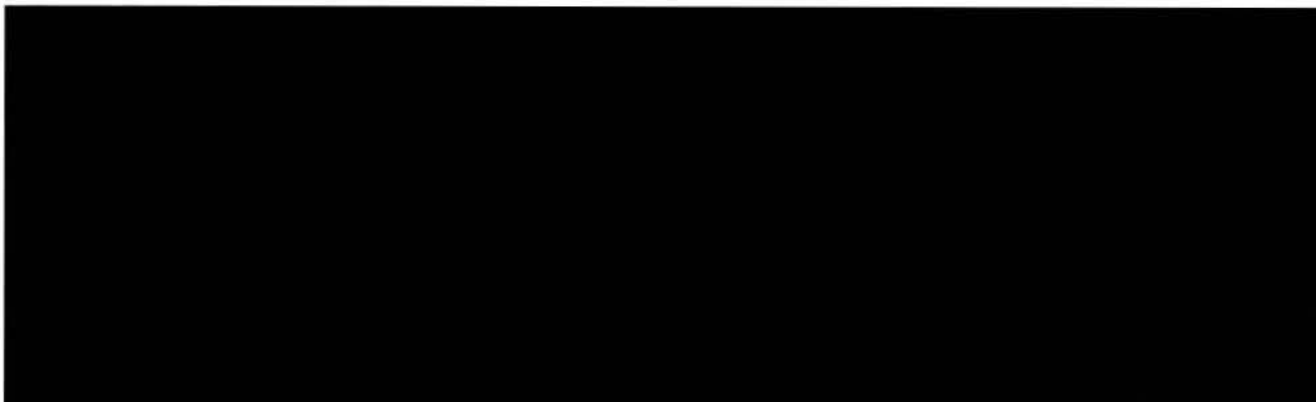
\*Added statement below to address weekends/Holidays:  
(In Mod P00143)

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<br>(Per Mod P00143)            |                   |    |
| Replaced with Revision C List<br>(Per Modification P00183) | 09 Mar 09         | 12 |
| Replaced with Revision D List<br>(Per Modification P00207) | 23 Feb 10         | 11 |

\*\*Per the DCMA and [REDACTED] Raytheon is authorized rent free use on a non-interference use of (b)(4) 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)

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: [REDACTED] (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.

JLENS Performance Specification, MIS-PRF-55628,  
Revision A

27 Jun 08

136

(Added by reference per Modification P00168)

002096

|  |           |    |
|--|-----------|----|
| Annex A to the JLENS Performance Specification,<br>MIS-PRF-55628, Revision A<br>(Added by reference per Modification P00168) | 27 Jun 08 | 10 |
| JLENS SDD DD250 Plan<br>(Added per Modification P00207)  | 11 Dec 09 | 5  |
| Performance Incentive Fee Criteria/Evidence<br>(Revised per Modification P00227)   | Undated   | 8  |
| Engineering Change Proposal (ECP) MI-N3893,<br>Revision 2, CDRL B039-005b  | 15 Nov 10 | 15 |
| Engineering Change Proposal (ECP) MI-N3894,<br>CDRL B039-006   | 18 Aug 10 | 16 |
| Engineering Change Proposal (ECP) MI-N3895,<br>CDRL B039-007   | 28 Sep 10 | 50 |

CLINs 0023 and 00024

JLENS Simulation Support  
SOW dated 28 January 2008

Simulation Support Tasks  
(Added per Mod P00160)

|                 |         |   |
|-----------------|---------|---|
| 28 January 2008 | 2 pages | (b)(3)(A)<br>(i)&Title 10<br>Sec 130 (a)(b) |
|-----------------|---------|---|

CLIN 0025

JLENS Integrated Fire Control Demonstration Program  
Statement of Work, Revision 5  
(Added per Modification P00211)

|           |   |
|-----------|---|
| 14 Sep 09 | 3 |
|-----------|---|

JLENS Integrated Fire Control Demonstration Program  
Program and Technical Clarification Description,  
incorporated herein by reference  
(Added per Modification P00211)

|           |    |
|-----------|----|
| 30 Mar 10 | 26 |
|-----------|----|

Contract Data Requirements List (DD Form 1423)  
Exhibit B, Data Items Nos. B001 through B004, with  
Data Item Descriptions  
(Added per Modification P00165)

|           |    |
|-----------|----|
| 16 Oct 07 | 19 |
|-----------|----|

Contract Data Requirements List (DD Form 1423),  
CLIN 0028, Exhibit B, Data Item Nos. B001 through B006  
(Added per Modification P00211)

|           |   |
|-----------|---|
| 16 Jun 10 | 6 |
|-----------|---|

CLIN 0027

JLENS System Integration Lab (SIL)  
Equipment List  
(Added per Modification P00196)

|         |   |
|---------|---|
| Undated | 6 |
|---------|---|

Revision to System Integration Lab (SIL)

|           |   |
|-----------|---|
| 02 Aug 10 | 6 |
|-----------|---|

002097

Equipment List  
(Added per Modification P00217)

(End of Summary of Changes)

002098



**Raytheon**

**JOINT LAND ATTACK CRUISE MISSILE  
DEFENSE ELEVATED NETTED SENSOR (JLENS)**

ECP MI-N3893  
CDRL B039-005  
Rev R2  
CAGE Code 05716  
November 15, 2010

In Accordance with:  
Contract No. DASG80-98-C-0001  
Contract Line Item Numbers 0017

Prepared by:  
Raytheon Company  
350 Lowell Street  
Andover, MA 01810

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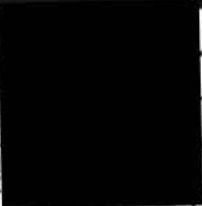
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## CHANGE RECORD PAGE

| Revision | Date       | Affected Pages | Authorized By   | Explanation of Change |
|----------|------------|----------------|---|-----------------------|
|          | 8/21/2010  | All            |  | Original Document     |
| R1       | 8/30/2010  | All            |   | Original Document     |
| R2       | 11/15/2010 | All            |   | Original Document     |
|          |            |                |   |                       |
|          |            |                |   |                       |
|          |            |                |   |                       |

(b)(6)



Approval Signatures

[Redacted]  
[Redacted]

[Redacted]  
[Redacted]

Name

11/15/10

Date

(b)(6)

[Redacted]  
[Redacted]

[Redacted]  
[Redacted]

Name

11/15/10

Date

(b)(6)

[Redacted]  
[Redacted]

[Redacted]  
[Redacted]

Name

11/11/10

Date

(b)(6)

[Redacted]  
[Redacted]

[Redacted]  
[Redacted]

Name

11/15/2010

Date

(b)(6)

[Redacted]  
[Redacted]

[Redacted]  
[Redacted]

Name

11/16/10

Date

(b)(6)

002101

Table of Contents

| PAGE | DESCRIPTION                                      |
|------|--|
| 1    | ECP MI-N3893 Rev. R2 for H377785 CPG PIDS Rev. K |

| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1  |              |  |      | 1. DATE (YYMMDD)<br>100930   |           | Form Approved<br>OMB No. 0704-0182   |          |
|--|--------------|--|------|--|-----------|--|----------|
| Public reporting burden for this collection of information is estimated to average 2 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0182), Washington, DC 20503. |              |  |      |  |           | 2. PROCURING<br>ACTIVITY NO.   |          |
| PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN<br>COMPLETED<br>FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING<br>ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.  |              |  |      |  |           | 3. OMBAC<br>W0113M   |          |
| C. ORIGINATOR  |              | b. ADDRESS (Street, City, State, Zip Code)   |      | E. CLASS OF ECP  |           |  |          |
| a. TYPED NAME (Print, include initials,<br>Last)   |              | 850 Lowell Street<br>Andover, MA 01810   |      | Class 1  |           |  |          |
|  |              |  |      | F. JUST CODE<br>E-Safety   |           | 1. PRIORITY<br>Urgent  |          |
| D. ECP DESIGNATION   |              |  |      | G. BASELINE AFFECTED   |           |  |          |
| A. MODEL TYPE  | B. CAGE CODE | C. SYSTEM DESIGNATION  |      | X FUNCTIONAL<br>ALLOTTED   |           | <input type="checkbox"/> PRODUCTION  |          |
|  | 05738        | CPS PIDS   |      |  |           |  |          |
| I. ECP NO.<br>000-None   |              | J. TYPE<br>Formal  |      | K. REV<br>R2   |           | L. OTHER SYS/CONTROL ITEMS AFFECTED<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |          |
| 11. SPECIFICATIONS AFFECTED  |              |  |      | 12. DRAWINGS AFFECTED  |           |  |          |
|  | CAGE Code    | Specification Document No.   | REV. | SCN  | CAGE Code | NUMBER   | REV. NO. |
| 13. SYSTEM   | 40858        | H377785  | K    | 1  |           |  |          |
| 14. DEVELOPMENT  |              |  |      |  |           |  |          |
| 15. PRODUCTION   |              |  |      |  |           |  |          |
| 16. TITLE OF CHANGE<br>CPS PIDS Rev. K Updates for Hazard Log Cross References and Build 38 FVT Traceability   |              |  |      |  |           |  |          |
| 17. CONTRACT NO. AND LINE ITEM<br>DAS000-00-C-0001 CLIN-0016   |              |  |      | 18. PROCURING CONTRACTING OFFICER<br>a. NAME (Last, First, Middle, Last) Diana F. Williams<br>b. CODE W0113M<br>c. TELEPHONE NO. 256-955-0550      |           |  |          |
| 19. CONFIGURATION ITEM NOMENCLATURE<br>JLENS COMMUNICATION AND PROCESSING GROUP (CPS) PRIME ITEM DEVELOPMENT SPECIFICATION (PIDS)  |              |  |      |  |           |  |          |
| 20. ALL COVER LEVEL ITEMS AFFECTED   |              |  |      | 21. BY PRODUCTION<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO   |           |  |          |
| a. NOMENCLATURE<br>Mission Operations SPTS   |              | b. PART NO.<br>R2_JLENS-180-SPEC.1   |      | c. RSN   |           |  |          |
| 22. DESCRIPTION OF CHANGE<br>CPS PIDS Rev. K updates for Hazard Log Cross References and Build 38 FVT Traceability   |              |  |      |  |           |  |          |
| 23. NEED FOR CHANGE<br>Updates needed for Hazard Log Cross References and Build 38 FVT Traceability  |              |  |      |  |           |  |          |
| 24. PRODUCTION EFFECTIVITY BY SERIAL NUMBER NA   |              |  |      | 25. EFFECT ON PRODUCTION DELIVERY SCHEDULE<br>None   |           |  |          |
| 26. RETROFIT   |              |  |      |  |           |  |          |
| a. RECOMMENDED RETROFIT EFFECTIVITY NA   |              |  |      | b. SHIPVEHICLE CLASS AFFECTED NA   |           |  |          |
| c. ESTIMATED RTV DELIVERY SCHEDULE NA  |              |  |      | d. LOCATIONS OR SHIPVEHICLE NUMBERS AFFECTED NA  |           |  |          |
| 27. ESTIMATED COST/SAVINGS UNDER CONTRACT None   |              |  |      | 28. ESTIMATED RTV TOTAL COST/SAVINGS None  |           |  |          |
| 29. SUBMITTING AGENCY  |              |  |      |  |           |  |          |
| 30. APPROVAL AND DISAPPROVAL   |              |  |      |  |           |  |          |
| a. CLASS I<br><input type="checkbox"/> APPROVED, RECOMMENDED<br><input type="checkbox"/> DISAPPROVED, RECOMMENDED  |              | b. CLASS II<br><input type="checkbox"/> APPROVED<br><input type="checkbox"/> DISAPPROVED |      | c. CLASS III<br><input type="checkbox"/> CONSENT IN CLASSIFICATION OF CHANGE<br><input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE |           |  |          |
| d. GOVERNMENT ACTIVITY   |              | e. SIGNATURE   |      | f. DATE SIGNED (YYMMDD)  |           |  |          |
| g. APPROVAL<br><input checked="" type="checkbox"/> APPROVED<br><input type="checkbox"/> DISAPPROVED  |              | h. GOVERNMENT ACTIVITY<br>CMDS Project Office  |      | i. DATE SIGNED (YYMMDD)<br>10/2/17   |           |  |          |

002103

CAGE Code 05716  
November 15, 2010  
ECP MI-N3893 Rev. R2

| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 2  |  | Form Approved<br>OMB No. 0704-0188 |
|--|--|------------------------------------|
| <p>Public reporting burden for this collection of information is estimated to average 2 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.</p> <p><b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1682.</b></p> <p><b>ECP NUMBER MI-N3893</b></p> |  |                                    |
| <b>EFFECTS ON FUNCTIONAL/ALLOCATED CONFIGURATION DOCUMENTATION</b>   |  |                                    |
| 28. OTHER SYSTEMS AFFECTED<br>None   | 29. OTHER CONTRACTOR ACTIVITIES AFFECTED<br>None |                                    |
| 30. CONFIGURATION ITEMS AFFECTED<br>CPC Item 1000  |  |                                    |
| 31. EFFECTS ON PERFORMANCE ALLOCATIONS AND INTERFACES IN SYSTEM SPECIFICATION<br>None  |  |                                    |
| 32. EFFECTS ON EMPLOYMENT, INTEGRATED LOGISTICS SUPPORT, TRAINING, OPERATIONAL EFFECTIVENESS OR SOFTWARE<br>Impacts on IELM to Training  |  |                                    |
| 33. EFFECTS ON CONFIGURATION ITEM SPECIFICATIONS<br>As Specified in MDR submitted with this ECP  |  |                                    |
| 34. DEVELOPMENTAL REQUIREMENTS AND STATUS<br>None  |  |                                    |
| 35. TRADE-OFFS AND ALTERNATE SOLUTIONS<br>None   |  |                                    |
| 36. DATE BY WHICH CONTRACTUAL AUTHORITY IS NEEDED (RYMADO)<br>10/09/09   |  |                                    |

DD Form 1682/1, APR 92 (Computer Generated) Previous editions are obsolete.

002104

| <b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 3 Not Applicable</b>   |   |                |                | Form Approved<br>OMB No. 0704-0188  |  |
|---|---|----------------|----------------|---|--|
| <p><small>Public reporting burden for this collection of information is estimated to average 3 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</small></p> <p><b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1692.</b></p> |   |                |                |   |  |
| ECP NUMBER MI-N3893   |   |                |                |   |  |
| <b>EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS</b>   |   |                |                |   |  |
| (X)   | FACTOR  | ENCL.          | PAR            | (X)   | FACTOR                                 |
|   | 37. EFFECTS ON PRODUCTION CONFIGURATION DOCUMENTATION OR CONTRACT |                |                |   | 38. EFFECTS ON OPERATIONAL EMPLOYMENT  |
|   | a. PERFORMANCE  |                |                |   | a. SAFETY                              |
|   | b. WEIGHT-BALANCE-STABILITY (Aircraft)                            |                |                |   | b. SURVIVABILITY                       |
|   | c. WEIGHT-MOVEMENT (Other equipment)                              |                |                |   | c. RELIABILITY                         |
|   | d. CDRL TECHNICAL DATA  |                |                |   | d. MAINTAINABILITY                     |
|   | e. NOMENCLATURE   |                |                |   | e. SERVICE LIFE                        |
|   | 38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS         |                |                |   | f. OPERATING PROCEDURES                |
|   | a. ILS PLANS  |                |                |   | g. ELECTROMAGNETIC INTERFERENCE        |
|   | b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES                      |                |                |   | h. ACTIVATION SCHEDULE                 |
|   | c. LOGISTICS SUPPORT ANALYSES                                     |                |                |   | i. CRITICAL SINGLE POINT FAILURE ITEMS |
|   | d. INTERIM SUPPORT PROGRAMS                                       |                |                |   | j. INTEROPERABILITY                    |
|   | e. SPARES AND REPAIR PARTS  |                |                |   | 39. OTHER CONSIDERATIONS               |
|   | f. TECH MANUALS/PROGRAMMING TAPES                                 |                |                |   | a. INTERFACE                           |
|   | g. FACILITIES   |                |                |   | b. OTHER AFFECTED EQUIPMENT/CPE/GFP    |
|   | h. SUPPORT EQUIPMENT  |                |                |   | c. PHYSICAL CONSTRAINTS                |
|   | i. OPERATOR TRAINING  |                |                |   | d. COMPUTER PROGRAMS AND RESOURCES     |
|   | j. OPERATOR TRAINING EQUIPMENT                                    |                |                |   | e. REWORK OF OTHER EQUIPMENT           |
|   | k. MAINTENANCE TRAINING   |                |                |   | f. SYSTEM TEST PROCEDURES              |
|   | l. MAINTENANCE TRAINING EQUIPMENT                                 |                |                |   | g. WARRANTY/GUARANTEE                  |
|   | m. CONTRACT MAINTENANCE   |                |                |   | h. PARTS CONTROL                       |
|   | n. PACKAGING, HANDLING, STORAGE                                   |                |                |   | i. LIFE CYCLE COSTS                    |
|   | o. TRANSPORTABILITY   |                |                |   |  |
| 41. ALTERNATE SOLUTIONS   |   |                |                |   |  |
| 42. DEVELOPMENTAL STATUS  |   |                |                |   |  |
| 43. RECOMMENDATIONS FOR RETROFIT  |   |                |                |   |  |
| 44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KIT   |   |                |                | 45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT   |  |
| a. ORGANIZATION<br>NA   | b. INTERMEDIATE<br>NA   | c. DEPOT<br>NA | d. OTHER<br>NA | NA  |  |
| 46. THIS CHANGE MUST BE ACCOMPLISHED  |   |                |                | 47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?   |  |
| <input type="checkbox"/> BEFORE NA <input type="checkbox"/> WITH NA <input type="checkbox"/> AFTER THE FOLLOWING CHANGES #A   |   |                |                | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NA |  |
| 48. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON RDM   |   |                |                | 49. DATE CONTRACTUAL AUTHORITY NEEDED FOR (Y/M/DD)  |  |
| NA  |   |                |                | a. PRODUCTION NA  |  |
|   |   |                |                | b. RETROFIT NA  |  |

002105

| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 4 Not Applicable   |                      |                             |                 |                       | Form Approved<br>OMB No. 0704-0185 |   |
|--|----------------------|-----------------------------|-----------------|-----------------------|------------------------------------|---|
| <p>Please reporting burden for this collection of information is estimated to average 7 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0185), Washington DC 20503</p> <p>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1682.</p> <p>ECP NUMBER MI-N3893</p> |                      |                             |                 |                       |                                    |   |
| 64. ESTIMATED NET TOTAL COST IMPACT (Use parentheses for savings)  |                      |                             |                 |                       |                                    |   |
| FACTOR   | Non-Recurring<br>(a) | COST/SAVINGS UNDER CONTRACT |                 |                       | Total<br>(e)                       | Other Costs/<br>Savings to the<br>Government<br>(f) |
|  |                      | Unit<br>(b)                 | Quantity<br>(c) | Total (Amount)<br>(d) |                                    |   |
| <b>a. PRODUCTION COST/SAVINGS</b>  |                      |                             |                 |                       |                                    |   |
| (1) CONFIGURATION ITEM/ECI   |                      |                             |                 |                       |                                    |   |
| (2) FACTORY TEST EQUIPMENT   |                      |                             |                 |                       |                                    |   |
| (3) SPECIAL FACTORY TOOLING  |                      |                             |                 |                       |                                    |   |
| (4) SCRAP  |                      |                             |                 |                       |                                    |   |
| (5) ENGINEERING, ENGINEERING DATA  |                      |                             |                 |                       |                                    |   |
| <b>REVISION</b>  |                      |                             |                 |                       |                                    |   |
| (6) REVISION OF TEST PROCEDURES  |                      |                             |                 |                       |                                    |   |
| (7) QUALIFICATION OF NEW ITEMS   |                      |                             |                 |                       |                                    |   |
| (8) SUBTOTAL OF PROD COST/SAVINGS  |                      |                             |                 |                       |                                    |   |
| <b>b. RETROFIT COSTS</b>   |                      |                             |                 |                       |                                    |   |
| (1) ENGINEERING DATA REVISION  |                      |                             |                 |                       |                                    |   |
| (2) PROTOTYPE TESTING  |                      |                             |                 |                       |                                    |   |
| (3) KIT PROOF TESTING  |                      |                             |                 |                       |                                    |   |
| (4) RETROFIT KITS FOR OPERATIONAL  |                      |                             |                 |                       |                                    |   |
| <b>SYSTEMS</b>   |                      |                             |                 |                       |                                    |   |
| (5) PREP. OF BUDGET/QUALITY  |                      |                             |                 |                       |                                    |   |
| (6) SPECIAL TOOLING FOR RETROFIT   |                      |                             |                 |                       |                                    |   |
| (7) INSTALLATION - CONTRACTOR  |                      |                             |                 |                       |                                    |   |
| <b>PERSONNEL</b>   |                      |                             |                 |                       |                                    |   |
| (8) INSTALLATION - GOVERNMENT  |                      |                             |                 |                       |                                    |   |
| <b>PERSONNEL</b>   |                      |                             |                 |                       |                                    |   |
| (9) TESTING AFTER RETROFIT   |                      |                             |                 |                       |                                    |   |
| (10) MODIFICATION OF GROUND  |                      |                             |                 |                       |                                    |   |
| (11) QUALIFICATION OF GROUND   |                      |                             |                 |                       |                                    |   |
| (12) SUBTOTAL OF RETROFIT  |                      |                             |                 |                       |                                    |   |
| <b>COST/SAVINGS</b>  |                      |                             |                 |                       |                                    |   |
| <b>c. INTEGRATED LOGISTICS SUPPORT</b>   |                      |                             |                 |                       |                                    |   |
| <b>COST/SAVINGS</b>  |                      |                             |                 |                       |                                    |   |
| (1) SPARE/REPAIR PARTS NETWORK   |                      |                             |                 |                       |                                    |   |
| (2) NEW SPARES AND REPAIR PARTS  |                      |                             |                 |                       |                                    |   |
| (3) SUPPLY/PROVISIONING DATA   |                      |                             |                 |                       |                                    |   |
| (4) SUPPORT EQUIPMENT  |                      |                             |                 |                       |                                    |   |
| (5) RETROFIT KITS FOR SPARES   |                      |                             |                 |                       |                                    |   |
| (6) OPERATOR TRAINING COURSES  |                      |                             |                 |                       |                                    |   |
| (7) MAINTENANCE TRAINING COURSES   |                      |                             |                 |                       |                                    |   |
| (8) REVISION OF TECHNICAL MANUALS  |                      |                             |                 |                       |                                    |   |
| (9) NEW TECHNICAL MANUALS  |                      |                             |                 |                       |                                    |   |
| (10) TRAINING/TRAINERS   |                      |                             |                 |                       |                                    |   |
| (11) INTERIM SUPPORT   |                      |                             |                 |                       |                                    |   |
| (12) MAINTENANCE MANPOWER  |                      |                             |                 |                       |                                    |   |
| (13) COMPUTER  |                      |                             |                 |                       |                                    |   |
| <b>PROGRAM/DOCUMENTATION</b>   |                      |                             |                 |                       |                                    |   |
| (14) SUBTOTAL OF ILS COST/SAVINGS  |                      |                             |                 |                       |                                    |   |
| <b>d. OTHER COST/SAVINGS</b>   |                      |                             |                 |                       |                                    |   |
| <b>e. SUBTOTAL COST/SAVINGS</b>  |                      |                             |                 |                       |                                    |   |
| (1) SUBTOTAL UNDER CONTRACT  |                      |                             |                 |                       |                                    |   |
| <b>f. COORDINATION OF CHANGES WITH OTHER CONTRACTORS</b>   |                      |                             |                 |                       |                                    |   |
|  |                      |                             |                 |                       |                                    | None  |
| <b>g. COORDINATION CHANGES BY GOVERNMENT</b>   |                      |                             |                 |                       |                                    |   |
|  |                      |                             |                 |                       |                                    | None  |
| <b>h. ESTIMATED NET TOTAL COST/SAVINGS</b>   |                      |                             |                 |                       |                                    |   |
|  |                      |                             |                 |                       |                                    | None  |

002106

| <b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 5 Not Applicable</b>  |                  |                            |                                 | Form Approved<br>OMB No. 0704-0188     |       |
|--|------------------|----------------------------|---------------------------------|--|-------|
| Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, reviewing existing information, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this burden of information, including suggestions for reducing the burden to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204 Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. |                  |                            |                                 |  |       |
| <b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1692.</b>   |                  |                            |                                 | ECP NUMBER: <b>0603983</b>             |       |
| <b>52. ESTIMATED COSTS/SAVINGS SUMMARY, RELATED ECP'S (Use parentheses for savings)</b>  |                  |                            |                                 |  |       |
|  | ECP CODE         | ECP NUMBER                 | COSTS / SAVINGS UNDER CONTRACTS | OTHER COSTS / SAVINGS TO BE DETERMINED |       |
| <b>a. PRODUCTION COSTS/SAVINGS (Subtotal of Costs/Savings Elements from Page 4, Item 4 a, Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)</b>   | <b>01</b>        | <b>01</b>                  | <b>03</b>                       | <b>04</b>                              |       |
| (1) SUBTOTAL PRODUCTION COSTS / SAVINGS  |                  |                            |                                 |  |       |
| <b>b. RETROFIT COSTS (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)</b>   |                  |                            |                                 |  |       |
| (1) SUBTOTAL RETROFIT COSTS  |                  |                            |                                 |  |       |
| <b>c. INTEGRATED LOGISTICS SUPPORT COSTS / SAVINGS</b>   |                  |                            |                                 |  |       |
| <b>REVISED REQUIREMENTS</b>  |                  |                            |                                 |  |       |
| (1) ITEM RETROFIT (if not covered under "b") Applicable to aircraft, ship, tank, vehicle, missile or its subsystem   |                  |                            |                                 |  |       |
| (2) ILS SUBTOTAL (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)   |                  |                            |                                 |  |       |
| (3) OPERATOR TRAINER (Net total cost / savings from each covering operator trainer)  |                  |                            |                                 |  |       |
| (4) MAINTENANCE TRAINER (Net total cost / savings from ECP covering maintenance trainer)   |                  |                            |                                 |  |       |
| (5) OTHER TRAINING EQUIPMENT   |                  |                            |                                 |  |       |
| (6) SUPPORT EQUIPMENT (Net total cost / savings from each on support equipment)  |                  |                            |                                 |  |       |
| (7) ILS PLANS  |                  |                            |                                 |  |       |
| (8) MAINTENANCE CONCEPT, PLANS, SYSTEM DOCUMENTS   |                  |                            |                                 |  |       |
| (9) INTERIM SUPPORT PLAN   |                  |                            |                                 |  |       |
| <b>NEW REQUIREMENTS</b>  | <b>CAGE CODE</b> | <b>NON-RECURRING COSTS</b> | <b>RECURRING COSTS</b>          |  |       |
|  |                  |                            | UNIT                            | CY Y                                   | TOTAL |
| (10) PROVISIONING DOCUMENTATION  |                  |                            |                                 |  |       |
| (11) OPER TRNR / TRNG DEVICES / EQUIP  |                  |                            |                                 |  |       |
| (12) MANUALS / SPARES, REPAIR PARTS  |                  |                            |                                 |  |       |
| (For (11))   |                  |                            |                                 |  |       |
| (13) MAINTENANCE TRAINING DEVICES/EQUIP  |                  |                            |                                 |  |       |
| (14) MANUALS/SPARES, REPAIR PARTS  |                  |                            |                                 |  |       |
| (For (13))   |                  |                            |                                 |  |       |
| (15) SUPPORT EQUIPMENT   |                  |                            |                                 |  |       |
| (16) MANUALS (For (15))  |                  |                            |                                 |  |       |
| (17) PROVISIONING DOCUMENTATION  |                  |                            |                                 |  |       |
| (For (16))   |                  |                            |                                 |  |       |
| (18) REPAIR PARTS (For (16))   |                  |                            |                                 |  |       |
| (19) SUBTOTAL ILS COSTS / SAVINGS (Sum of c(1) through c(19))  |                  |                            |                                 |  |       |
| <b>d. OTHER COSTS / SAVINGS</b>  | <b>CAGE CODE</b> | <b>ECP NUMBER</b>          |                                 |  |       |
| Total from Page 4, Item 4 d, of related ECP's  |                  |                            |                                 |  |       |
| (1) TOTAL OTHER COSTS / SAVINGS  |                  |                            |                                 |  |       |
| (2) SUBTOTAL OF COLUMNS  |                  |                            |                                 |  |       |
| (3) SUBTOTAL UNDER CONTRACT  |                  |                            |                                 |  |       |
| <b>e. ESTIMATED NET TOTAL COSTS / SAVINGS</b>  |                  |                            |                                 |  |       |
| (a + b + c + d)  |                  |                            |                                 |  |       |

002107



| ENGINEERING CHANGE PROPOSAL (ECP) (HARDWARE), PAGE 8 Not Applicable  |                                |  |  |  |  |                               |  |                            |  |                |  | Form Approved<br>Onsr No. 8704-<br>4189 |  |
|--|--------------------------------|--|--|--|--|-------------------------------|--|----------------------------|--|----------------|--|---|--|
| Public reporting burden for this collection of information is estimated to average 3 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0700-0189), Washington, DC 20503. |                                |  |  |  |  |                               |  |                            |  |                |  | ECP NUMBER                              |  |
| PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICE FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1002.   |                                |  |  |  |  |                               |  |                            |  |                |  | 43. CAGE CODE                           |  |
| 54. CONFIGURATION ITEM NOMENCLATURE  |                                |  |  |  |  | 55. TITLE OF CHANGE           |  |                            |  |                |  |   |  |
| 56. DATE AUTHORIZATION TO PROCEED<br>RECEIVED BY CONTRACTOR (YYMMDD) →   |                                |  |  |  |  | S START DELIVERY              |  | C COMPLETE DELIVERY        |  | PROGRESS POINT |  |   |  |
| NO. OF MONTHS  |                                |  |  |  |  | 13 14 15 16 17 18 19 20 21 22 |  | 23 24 25 26 27 28 29 30 31 |  | 32 33 34 35 36 |  |   |  |
| C<br>O<br>N<br>F<br>I<br>G<br>U<br>R<br>A<br>T<br>I<br>O<br>N  | (1) Production                 |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (2) Tech Manuals               |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (3) Retrofit                   |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (4) MODIFICATION               |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (5) Spares / Repair Parts      |  |  |  |  |                               |  |                            |  |                |  |   |  |
| D<br>I<br>S<br>P<br>O<br>S<br>I<br>T<br>I<br>O<br>N  | (1) Production                 |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (2) Tech Manuals / Prog. Types |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (3) Retrofit                   |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (4) MODIFICATION               |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (5) Repair Parts               |  |  |  |  |                               |  |                            |  |                |  |   |  |
| E<br>N<br>V<br>I<br>R<br>O<br>N<br>M<br>E<br>N<br>T  | (1) Operator                   |  |  |  |  |                               |  |                            |  |                |  |   |  |
|  | (2) Maintenance                |  |  |  |  |                               |  |                            |  |                |  |   |  |
| NO. OF MONTHS  |                                |  |  |  |  | 13 14 15 16 17 18 19 20 21 22 |  | 23 24 25 26 27 28 29 30 31 |  | 32 33 34 35 36 |  |   |  |

DD Form 1002/5, APR 92

(Computer Generated)

Previous editions are obsolete.

002108



| ENGINEERING CHANGE PROPOSAL (ECP) (SOFTWARE), PAGE 7 Not Applicable   |  |  |  |  |  |   |  |  |  |  |  | Form Approved<br>1248 No. 8794-0188 |  |  |  |
|---|--|--|--|--|--|---|--|--|--|--|--|-------------------------------------|--|--|--|
| <p>Active Reporting Burden for the collection of information is estimated to be 100 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, the 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.</p> <p><b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1692.</b></p> |  |  |  |  |  |   |  |  |  |  |  | ECP NUMBER MI-N3893                 |  |  |  |
|   |  |  |  |  |  |   |  |  |  |  |  | 67. CAGE CODE                       |  |  |  |
| 56. COMPUTER SOFTWARE ITEM NOMENCLATURE   |  |  |  |  |  | 59. TITLE OF CHANGE   |  |  |  |  |  |                                     |  |  |  |
| 60. DATE AUTHORIZATION TO PROCEED   |  |  |  |  |  | <div> <div>8</div> <div>START DELIVERY</div> <div>6</div> <div>COMPLETE DELIVERY</div> <div>PROGRESS POINT</div> </div> |  |  |  |  |  |                                     |  |  |  |
| NO. OF MONTHS   |  |  |  |  |  | NO. OF MONTHS   |  |  |  |  |  |                                     |  |  |  |
| 1 2 3 4 5 6 7 8 9 10 11 12  |  |  |  |  |  | 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36   |  |  |  |  |  |                                     |  |  |  |
| C O N F I G U R A T I O N I T E M   | (1) Software Engineering                     |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   | (2) Software Documentation                   |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   | (3) Software Reconfiguration                 |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   | (4) Software Operation                       |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
| S U P P O R T E Q U I P M E N T   | (1) Software Engineering Environment Upgrade |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   | (2) Software Test Environment Upgrade        |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   |  |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   |  |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
| C O N T A I N E R   | (1) Operator                                 |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
|   | (2) Maintenance                              |  |  |  |  |   |  |  |  |  |  |                                     |  |  |  |
| NO. OF MONTHS   |  |  |  |  |  | NO. OF MONTHS   |  |  |  |  |  |                                     |  |  |  |
| 1 2 3 4 5 6 7 8 9 10 11 12  |  |  |  |  |  | 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36   |  |  |  |  |  |                                     |  |  |  |


DD Form 1692/6, APR 92

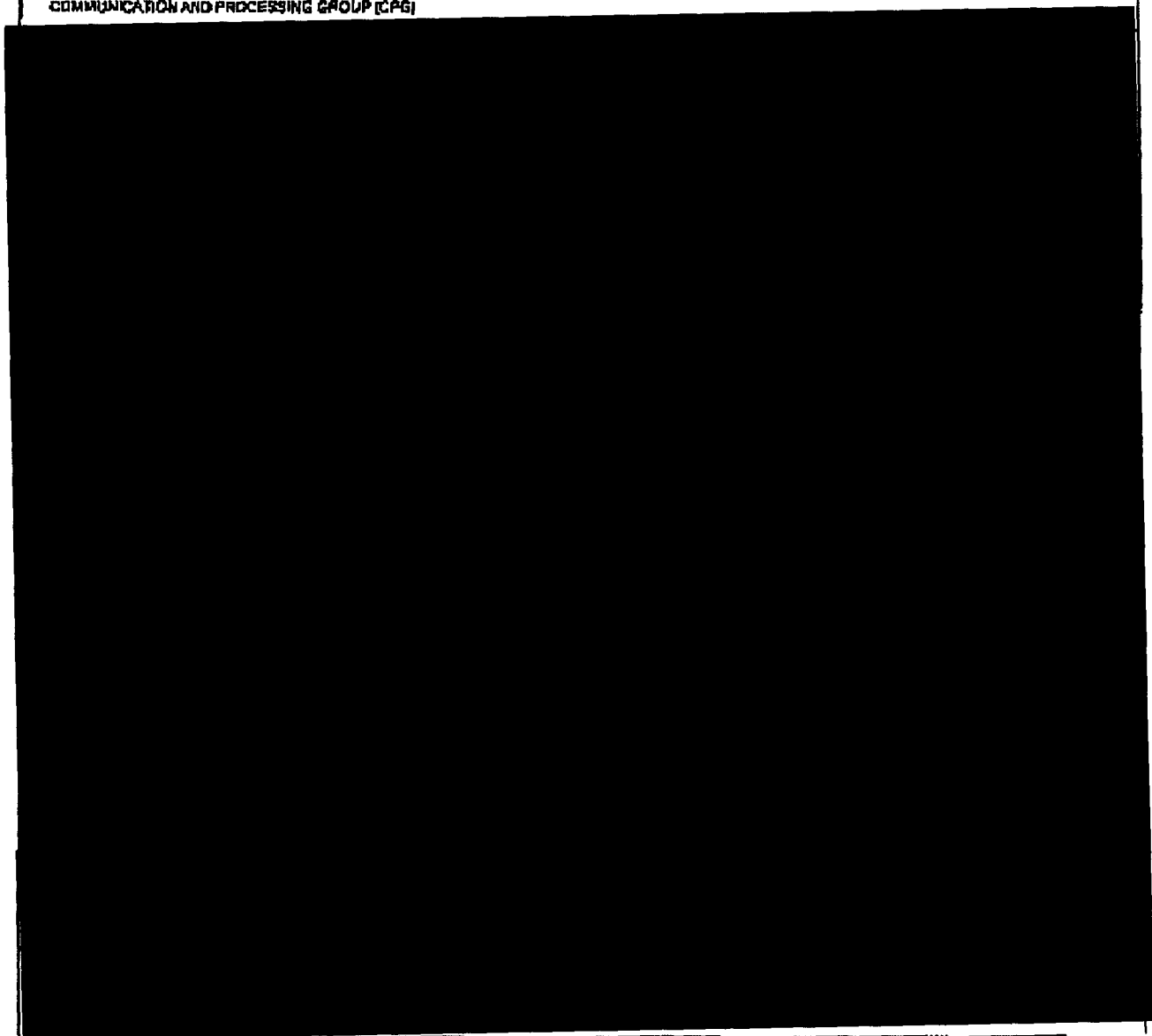
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Notice of Revision (NOR)

Sheet 1 of 1

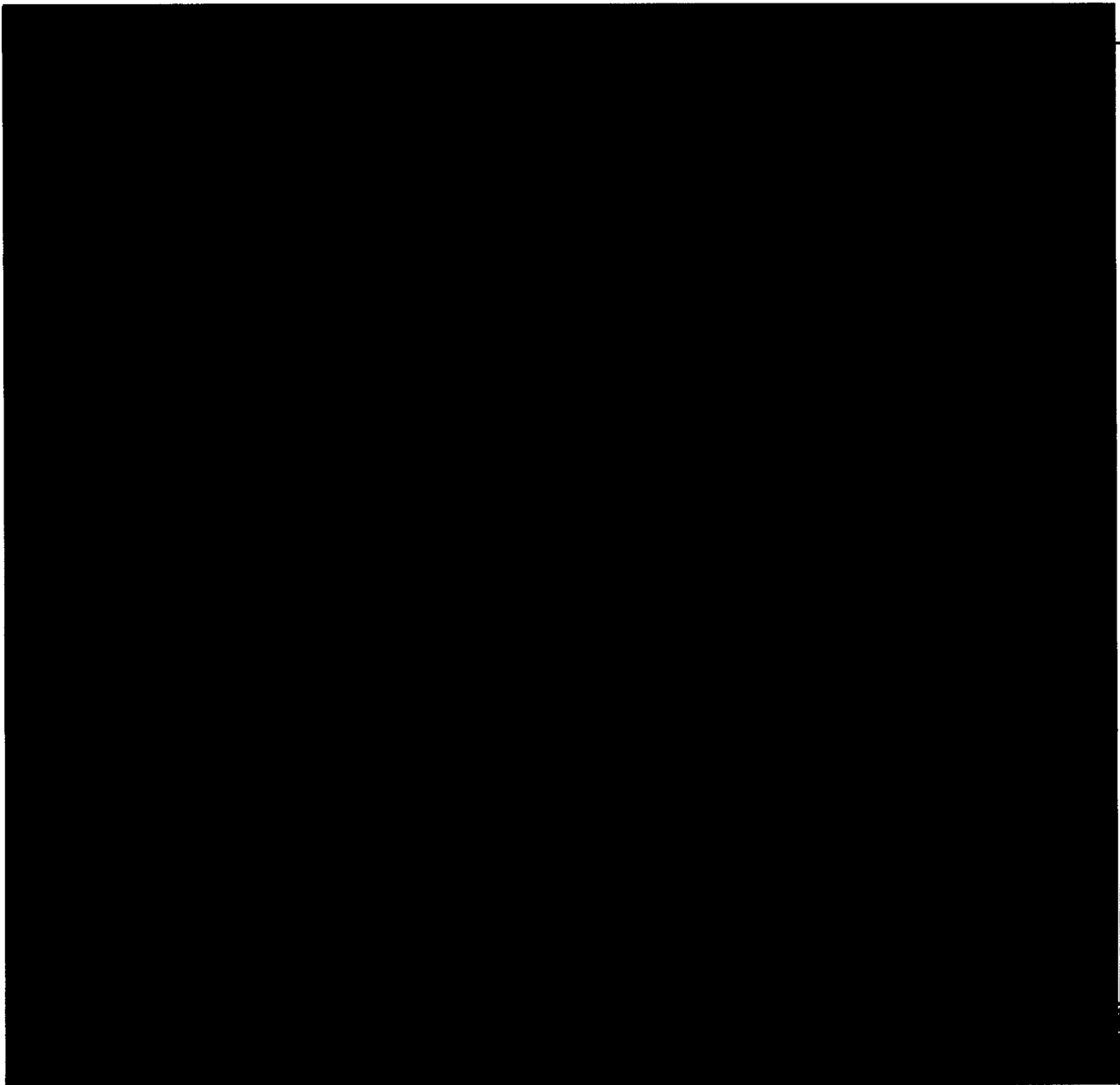
|  |  |   |  |
|--|--|---|--|
| <b>Notice of Revision (NOR)</b><br>THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED   |  | <b>1. DATE (MM/DD/YY)</b><br>10/11/15   | <b>Form Approved</b><br>GMB No. 0704-0188                        |
| Public reporting burden for this collection of information is estimated to average 2 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 Washington, DC 20503. |  | <b>2. PROCURING ACTIVITY NO.</b><br><br><b>3. DODAAC</b><br>W9113M                          |  |
| <b>4. ORIGINATOR</b><br><b>a. TYPED NAME (First Middle Last)</b><br>  |  | <b>b. ADDRESS (Street, City, State, Zip Code)</b><br>250 Lowell Street<br>Andover, MA 01810 | <b>5. CASE CODE</b><br>0571B<br><br><b>7. CASE CODE</b><br>0571B |
| <b>6. TITLE OF DOCUMENT</b><br>JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (MOS)   |  | <b>10. REVISION LETTER</b><br><b>a. CURRENT</b><br>K  | <b>11. ECP HQ</b><br>AN-90882                                    |
| <b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b><br>COMMUNICATION AND PROCESSING GROUP (CPG)   |  |   |  |



002110

(b)(6)

(b)(3)(A)  
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 130 (a)  
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(i)&Title  
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|--|--|--|
| <b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>                |  |  |
| <b>a. (X ONE)</b>  | <input type="checkbox"/>                 | (1) Existing document supplemented by this NOR   |
|  | <input type="checkbox"/>                 | (2) Revised document must be received before manufacturer may incorporate this change    |
|  | <input type="checkbox"/>                 | (3) Custodian of master document shall make above revision and furnish revised document. |
| <b>b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT</b> |  | <b>c. TYPED NAME (First, Middle Initial, Last)</b>                                       |
| <b>d. TITLE</b>  | <b>e. SIGNATURE</b>                      | <b>f. DATE SIGNED (YYMMDD)</b>   |
| <b>15. a. ACTIVITY ACCOMPLISHING REVISION</b>                  | <b>b. REVISION COMPLETED (Signature)</b> | <b>c. DATE SIGNED (YYMMDD)</b>   |

DD Form 1485, APR 92

Previous editions are obsolete.

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|  |                         |
|--|-------------------------|
| Title of Document<br>JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (PDS) | NOR No.<br>1            |
|  | Document No.<br>H377785 |

002113

**Raytheon****JOINT LAND ATTACK CRUISE MISSILE  
DEFENSE ELEVATED NETTED SENSOR (JLENS)****ECP MI-N3894  
CDRL B039-006  
Rev -  
CAGE Code 05716  
August 18, 2010****In Accordance with:  
Contract No. DASG60-98-C-0001  
Contract Line Item Numbers 0017****Prepared by:  
Raytheon Company  
350 Lowell Street  
Andover, MA 01810****DISTRIBUTION STATEMENT F - Further dissemination only as directed by the Cruise Missile Defense Systems Project Office, SFAE-MSLS-CMDS-PE-CM, Redstone Arsenal, AL 35898-5000, 24 March 2000.****WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751 et seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C., app 2401 et seq. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DOD Directive 5230.25.****DESTRUCTION NOTICE - For classified documents, follow the procedures in DOD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM), Chapter 6, Section 7, or DOD 5200.1-R, Information Security Program Regulation, Chapter IX. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.****Copyright © 2010 Raytheon Company****This data was developed pursuant to Contract Number DASG60-98-C-0001 with the US Government. The US Government's rights in and to this copyrighted data are as specified in DFARS 252.227-7013 (a) (15) & (b) (1) Nov 1995 which was made a part of the above contract.****Raytheon Proprietary**

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**CHANGE RECORD PAGE**

| Revision | Date      | Affected Pages | Authorized By | Explanation of Change |
|----------|-----------|----------------|---------------|-----------------------|
| -        | 8/18/2010 | All            | [REDACTED]    | Original Document     |
|          |           |                |               |                       |
|          |           |                |               |                       |
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Approval Signatures

[Redacted]

[Redacted]

Name

Date

8/18/10

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[Redacted]

Name

Date

8/18/10

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Name

Date

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| 1    | ECP MI-N3894 for H377785 CPG PIDS Rev. K |

| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1  |  |  |  |  | 1. DATE (YYMMDD) |  | Form Approved<br>OMB No. 0704-0188 |  |
|--|--|--|--|--|------------------|--|------------------------------------|--|
| Public reporting burden for this collection of information is estimated to average 2 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. |  |  |  |  |                  |  | 2. PROCURING<br>ACTIVITY NO.       |  |
| PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES, RETURN<br>COMPLETED<br>FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING<br>ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.  |  |  |  |  |                  |  | 3. DODAAC<br>WP113M                |  |
| 4. ORIGINATOR  |  |  | 5. ADDRESS (Street, City, State, Zip Code) |  |                  | 6. CLASS OF ECP<br>Class I                 |                                    |  |
| a. TYPED NAME (First, Middle Initial, Last)  |  |  | 350 Lowell Street                          |  |                  | 7. JUST. CODE                              |                                    |  |
| [REDACTED]   |  |  | Andover, MA 01810                          |  |                  | c. BASELINE AFFECTED                       |                                    |  |
| 8. ECP DESIGNATION   |  |  | 9. CLASS OF ECP                            |  |                  | 10. PRIORITY                               |                                    |  |
| a. MODELTYPE   |  |  | b. CAGE CODE                               |  |                  | c. JUST. CODE                              |                                    |  |
| 15716  |  |  | CPG PIDS                                   |  |                  | d. PRIORITY                                |                                    |  |
| c. SYSTEM DESIGNATION  |  |  | 11. FUNCTIONAL                             |  |                  | 12. PRODUCTION                             |                                    |  |
| CPG PIDS   |  |  | X  |  |                  | X  |                                    |  |
| 13. ECP NO.  |  |  | 14. TYPE                                   |  |                  | 15. REV                                    |                                    |  |
| 15716  |  |  | F  |  |                  | -  |                                    |  |
| 16. SPECIFICATIONS AFFECTED  |  |  | 17. DRAWINGS AFFECTED                      |  |                  | 18. OTHER SYS/CONF. ITEMS AFFECTED         |                                    |  |
| CAGE Code  |  |  | Specification/Document No.                 |  |                  | REV.                                       |                                    |  |
| a. SYSTEM  |  |  | 49956                                      |  |                  | H377788                                    |                                    |  |
| b. DEVELOPMENT   |  |  |  |  |                  |  |                                    |  |
| c. PRODUCTION  |  |  |  |  |                  |  |                                    |  |
| 19. MATERIALS/ITEMS AFFECTED   |  |  | 20. NAME (First, Middle, Last)             |  |                  | 21. TELEPHONE NO.                          |                                    |  |
| DASG00-58-C-0001 CLIN-0018   |  |  | Dianne F. Trimble                          |  |                  | 256-898-4056                               |                                    |  |
| 22. CONFIGURATION ITEM NOMENCLATURE  |  |  | 23. CODE                                   |  |                  | 24. IN PRODUCTION                          |                                    |  |
| H37785 JLENS-COMMUNICATION AND PROCESSING GROUP (CPO) PRIME ITEM DEVELOPMENT SPECIFICATION (PDS)   |  |  | W113M                                      |  |                  | YES X NO                                   |                                    |  |
| 25. ALL LOWER LEVEL ITEMS AFFECTED   |  |  | 26. PART NO.                               |  |                  | 27. ITEM                                   |                                    |  |
| a. NOMENCLATURE  |  |  | b. PART NO.                                |  |                  | c. ITEM                                    |                                    |  |
| CPG Mission Operations CSOI  |  |  | RS JLENS-IBNSPEC.1                         |  |                  |  |                                    |  |
| 28. DESCRIPTION OF CHANGE  |  |  | 29. EFFECT ON PRODUCTION DELIVERY SCHEDULE |  |                  | 30. EFFECT ON PRODUCTION DELIVERY SCHEDULE |                                    |  |
| CPG PIDS Rev. K updates for IFC Demo   |  |  | None                                       |  |                  | None                                       |                                    |  |
| 31. NEED FOR CHANGE  |  |  | 32. RETROFIT                               |  |                  | 33. RETROFIT                               |                                    |  |
| Updates to satisfy IFC Demonstration requirements as directed IAW with CLIN 28 Statement of Work.  |  |  | a. RECOMMENDED RETROFIT EFFECTIVITY        |  |                  | b. SHIPMENT CLASS AFFECTED                 |                                    |  |
|  |  |  | NA   |  |                  | NA   |                                    |  |
| 34. ESTIMATED NET DELIVERY SCHEDULE  |  |  | 35. ESTIMATED NET DELIVERY SCHEDULE        |  |                  | 36. ESTIMATED NET DELIVERY SCHEDULE        |                                    |  |
| NA   |  |  | NA   |  |                  | NA   |                                    |  |
| 37. ESTIMATED COST/SAVINGS UNDER CONTRACT  |  |  | 38. ESTIMATED NET TOTAL COSTS/SAVINGS      |  |                  | 39. ESTIMATED NET TOTAL COSTS/SAVINGS      |                                    |  |
| None   |  |  | None                                       |  |                  | None                                       |                                    |  |
| 40. CLASS I  |  |  | 41. CLASS II                               |  |                  | 42. CLASS III                              |                                    |  |
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| DISAPPROVAL  |  |  | DISAPPROVAL                                |  |                  | DISAPPROVAL                                |                                    |  |
| 43. GOVERNMENT ACTIVITY  |  |  | 44. SIGNATURE                              |  |                  | 45. DATE SIGNED (YYMMDD)                   |                                    |  |
| a. APPROVAL  |  |  | [REDACTED]                                 |  |                  | 10/2/17                                    |                                    |  |
| b. APPROVED  |  |  | [REDACTED]                                 |  |                  | [REDACTED]                                 |                                    |  |
| c. DISAPPROVED   |  |  | [REDACTED]                                 |  |                  | [REDACTED]                                 |                                    |  |

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| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 2  |  | Form Approved<br>OMB No. 0704-0188 |
|--|--|------------------------------------|
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| EFFECTS ON FUNCTIONAL/ALLOCATED CONFIGURATION DOCUMENTATION  |  |                                    |
| 28. OTHER SYSTEMS AFFECTED<br>None   | 29. OTHER CONTRACTOR/ACTIVITIES AFFECTED<br>None |                                    |
| 30. CONFIGURATION ITEMS AFFECTED<br>CPG Prime Item   |  |                                    |
| 31. EFFECTS ON PERFORMANCE ALLOCATIONS AND INTERFACES IN SYSTEM SPECIFICATION<br>H381755-Vol.2 System External IAS Rev. F updated according to results of JLENS CPG meeting August 5, 2010   |  |                                    |
| 32. EFFECTS ON EMPLOYMENT, INTEGRATED LOGISTICS SUPPORT, TRAINING, OPERATIONAL EFFECTIVENESS OR SOFTWARE<br>None   |  |                                    |
| 33. EFFECTS ON CONFIGURATION ITEM SPECIFICATIONS<br>As Specified in NOR submitted with the ECP   |  |                                    |
| 34. DEVELOPMENTAL REQUIREMENTS AND STATUS<br>Updates to be incorporated in Build 6 of CPG Mission Operations CSCL as directed IAW with CLIN 28 Statement of Work   |  |                                    |
| 35. TRADE-OFFS AND ALTERNATE SOLUTIONS<br>None   |  |                                    |
| 36. DATE BY WHICH CONTRACTUAL AUTHORITY IS NEEDED (YYMMDD)   |  |                                    |

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CAGE Code 05716

August 18, 2010

ECP MI-N3394 Rev-

| <b>ENGINEERING CHANGE PROPOSAL (ECP), PAGE 3</b>  |  |   |          | Form Approved<br>OMB No. 0704-0188                           |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|---|--|---|----------|--|--|--------------------------------|--------|-------|------|-----|--------|-------|------|--|--|--|--|--|--|--|--|--|----------------|--|--|--|-----------|--|--|--|---------------------------------------|--|--|--|------------------|--|--|--|---------------------------------------|--|--|--|----------------|--|--|--|------------------------|--|--|--|--------------------|--|--|--|-----------------|--|--|--|-----------------|--|--|--|--|--|--|--|-------------------------|--|--|--|--|--|--|--|---------------------------------|--|--|--|--------------|--|--|--|------------------------|--|--|--|--|--|--|--|--|--|--|--|-------------------------------|--|--|--|---------------------|--|--|--|-----------------------------|--|--|--|--|--|--|--|----------------------------|--|--|--|---------------------------------|--|--|--|-----------------------------------|--|--|--|--------------|--|--|--|---------------|--|--|--|-------------------------------------|--|--|--|----------------------|--|--|--|-------------------------|--|--|--|----------------------|--|--|--|------------------------------------|--|--|--|--------------------------------|--|--|--|------------------------------|--|--|--|-------------------------|--|--|--|---------------------------|--|--|--|-----------------------------------|--|--|--|-----------------------|--|--|--|-------------------------|--|--|--|------------------|--|--|--|--|--|--|--|---------------------|--|--|--|--|--|--|--|--|--|--|--------------------------------|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----------------|-----------------|----------|----------|----|--|--|--|----|----|----|----|--|--|--|--|---|--|--|--|--|--|--------------------------------|--|---------------------------------|-------------------------------|---|--|------------------------------|--|----|--|---|--|--|--|--|--|--|--|----|--|--|--|------------------|--|--|--|--|--|--|--|----------------|--|--|--|
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| <p style="text-align: center;"><b>EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS Not Applicable</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">(X)</th> <th style="width: 45%;">FACTOR</th> <th style="width: 10%;">ENCL.</th> <th style="width: 10%;">PAR.</th> <th style="width: 5%;">(X)</th> <th style="width: 45%;">FACTOR</th> <th style="width: 10%;">ENCL.</th> <th style="width: 10%;">PAR.</th> </tr> </thead> <tbody> <tr> <td></td> <td><b>37. EFFECTS ON PRODUCTION CONFIGURATION DOCUMENTATION OR CONTRACT</b></td> <td></td> <td></td> <td></td> <td><b>38. EFFECTS ON OPERATIONAL EMPLOYMENT</b></td> <td></td> <td></td> </tr> <tr> <td></td> <td>a. PERFORMANCE</td> <td></td> <td></td> <td></td> <td>a. SAFETY</td> <td></td> <td></td> </tr> <tr> <td></td> <td>b. WEIGHT-BALANCE-STABILITY (A/W/B/D)</td> <td></td> <td></td> <td></td> <td>b. SURVIVABILITY</td> <td></td> <td></td> </tr> <tr> <td></td> <td>c. WEIGHT-MOVEMENT (Other Equivalent)</td> <td></td> <td></td> <td></td> <td>c. RELIABILITY</td> <td></td> <td></td> </tr> <tr> <td></td> <td>d. CDRM TECHNICAL DATA</td> <td></td> <td></td> <td></td> <td>d. MAINTAINABILITY</td> <td></td> <td></td> </tr> <tr> <td></td> <td>e. NOMENCLATURE</td> <td></td> <td></td> <td></td> <td>e. SERVICE LIFE</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>f. OPERATING PROCEDURES</td> <td></td> <td></td> </tr> <tr> <td></td> <td><b>39. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS</b></td> <td></td> <td></td> <td></td> <td>g. ELECTROMAGNETIC INTERFERENCE</td> <td></td> <td></td> </tr> <tr> <td></td> <td>a. ILS PLANS</td> <td></td> <td></td> <td></td> <td>h. ACTIVATION SCHEDULE</td> <td></td> <td></td> </tr> <tr> <td></td> <td>b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES</td> <td></td> <td></td> <td></td> <td>i. CRITICAL SINGLE POINT FAILURE ITEMS</td> <td></td> <td></td> </tr> <tr> <td></td> <td>c. 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OPERATOR TRAINING EQUIPMENT</td> <td></td> <td></td> <td></td> <td>e. REWORK OF OTHER EQUIPMENT</td> <td></td> <td></td> </tr> <tr> <td></td> <td>k. MAINTENANCE TRAINING</td> <td></td> <td></td> <td></td> <td>f. SYSTEM TEST PROCEDURES</td> <td></td> <td></td> </tr> <tr> <td></td> <td>l. MAINTENANCE TRAINING EQUIPMENT</td> <td></td> <td></td> <td></td> <td>g. WARRANTY/GUARANTEE</td> <td></td> <td></td> </tr> <tr> <td></td> <td>m. CONTRACT MAINTENANCE</td> <td></td> <td></td> <td></td> <td>h. PARTS CONTROL</td> <td></td> <td></td> </tr> <tr> <td></td> <td>n. PACKAGING, HANDLING, STORAGE TRANSPORTABILITY</td> <td></td> <td></td> <td></td> <td>i. LIFE CYCLE COSTS</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="8" style="padding: 5px;"><b>41. ALTERNATE SOLUTIONS</b></td> </tr> <tr> <td colspan="8" style="padding: 5px;">NA</td> </tr> <tr> <td colspan="8" style="padding: 5px;"><b>42. DEVELOPMENTAL STATUS</b></td> </tr> <tr> <td colspan="8" style="padding: 5px;">NA</td> </tr> <tr> <td colspan="8" style="padding: 5px;"><b>43. RECOMMENDATIONS FOR RETROFIT</b></td> </tr> <tr> <td colspan="8" style="padding: 5px;">NA</td> </tr> <tr> <td colspan="4" style="padding: 5px;"><b>44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KIT</b></td> <td colspan="4" style="padding: 5px;"><b>45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT</b></td> </tr> <tr> <td style="width: 25%;">a. ORGANIZATION</td> <td style="width: 25%;">b. INTERMEDIATE</td> <td style="width: 25%;">c. DEPOT</td> <td style="width: 25%;">d. OTHER</td> <td colspan="4">NA</td> </tr> <tr> <td>NA</td> <td>NA</td> <td>NA</td> <td>NA</td> <td colspan="4"></td> </tr> <tr> <td colspan="4" style="padding: 5px;"><b>46. THIS CHANGE MUST BE ACCOMPLISHED</b></td> <td colspan="2" style="padding: 5px;"><b>47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?</b></td> <td colspan="2" style="padding: 5px;"><b>48. 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ORGANIZATION | b. INTERMEDIATE | c. DEPOT | d. OTHER | NA |  |  |  | NA | NA | NA | NA |  |  |  |  | <b>46. THIS CHANGE MUST BE ACCOMPLISHED</b> |  |  |  | <b>47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?</b> |  | <b>48. OUT OF SERVICE TIME</b> |  | <input type="checkbox"/> BEFORE | <input type="checkbox"/> WITH | <input type="checkbox"/> AFTER THE FOLLOWING CHANGES NA |  | <input type="checkbox"/> YES | <input checked="" type="checkbox"/> NO | NA |  | <b>49. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM</b> |  |  |  | <b>50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (Y/M/D/D)</b> |  |  |  | NA |  |  |  | a. PRODUCTION NA |  |  |  |  |  |  |  | b. RETROFIT NA |  |  |  |
| (X)   | FACTOR   | ENCL.   | PAR.     | (X)  | FACTOR                                       | ENCL.                          | PAR.   |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | <b>37. EFFECTS ON PRODUCTION CONFIGURATION DOCUMENTATION OR CONTRACT</b> |   |          |  | <b>38. EFFECTS ON OPERATIONAL EMPLOYMENT</b> |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | a. PERFORMANCE   |   |          |  | a. SAFETY                                    |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | b. WEIGHT-BALANCE-STABILITY (A/W/B/D)                                    |   |          |  | b. SURVIVABILITY                             |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | c. WEIGHT-MOVEMENT (Other Equivalent)                                    |   |          |  | c. RELIABILITY                               |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | d. CDRM TECHNICAL DATA   |   |          |  | d. MAINTAINABILITY                           |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | e. NOMENCLATURE  |   |          |  | e. SERVICE LIFE                              |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   |  |   |          |  | f. OPERATING PROCEDURES                      |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | <b>39. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS</b>         |   |          |  | g. ELECTROMAGNETIC INTERFERENCE              |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | a. ILS PLANS   |   |          |  | h. ACTIVATION SCHEDULE                       |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES                             |   |          |  | i. CRITICAL SINGLE POINT FAILURE ITEMS       |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | c. LOGISTICS SUPPORT ANALYSES  |   |          |  | j. INTEROPERABILITY                          |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | d. INTERIM SUPPORT PROGRAMS  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | e. SPARES AND REPAIR PARTS   |   |          |  | <b>40. OTHER CONSIDERATIONS</b>              |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | f. TECH MANUALS/PROGRAMMING TAPES  |   |          |  | a. INTERFACE                                 |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | g. FACILITIES  |   |          |  | b. OTHER AFFECTED EQUIPMENT/GE/EGFP          |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | h. SUPPORT EQUIPMENT   |   |          |  | c. PHYSICAL CONSTRAINTS                      |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | i. OPERATOR TRAINING   |   |          |  | d. COMPUTER PROGRAMS AND RESOURCES           |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | j. OPERATOR TRAINING EQUIPMENT   |   |          |  | e. REWORK OF OTHER EQUIPMENT                 |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | k. MAINTENANCE TRAINING  |   |          |  | f. SYSTEM TEST PROCEDURES                    |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | l. MAINTENANCE TRAINING EQUIPMENT  |   |          |  | g. WARRANTY/GUARANTEE                        |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | m. CONTRACT MAINTENANCE  |   |          |  | h. PARTS CONTROL                             |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   | n. PACKAGING, HANDLING, STORAGE TRANSPORTABILITY                         |   |          |  | i. LIFE CYCLE COSTS                          |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>41. ALTERNATE SOLUTIONS</b>  |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| NA  |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>42. DEVELOPMENTAL STATUS</b>   |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| NA  |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>43. RECOMMENDATIONS FOR RETROFIT</b>   |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| NA  |  |   |          |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KIT</b>  |  |   |          | <b>45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT</b> |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| a. ORGANIZATION   | b. INTERMEDIATE  | c. DEPOT  | d. OTHER | NA   |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| NA  | NA   | NA  | NA       |  |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>46. THIS CHANGE MUST BE ACCOMPLISHED</b>   |  |   |          | <b>47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED?</b> |  | <b>48. OUT OF SERVICE TIME</b> |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <input type="checkbox"/> BEFORE   | <input type="checkbox"/> WITH  | <input type="checkbox"/> AFTER THE FOLLOWING CHANGES NA |          | <input type="checkbox"/> YES                                 | <input checked="" type="checkbox"/> NO       | NA                             |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| <b>49. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM</b>   |  |   |          | <b>50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (Y/M/D/D)</b>   |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
| NA  |  |   |          | a. PRODUCTION NA   |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |
|   |  |   |          | b. RETROFIT NA   |  |                                |        |       |      |     |        |       |      |  |  |  |  |  |  |  |  |  |                |  |  |  |           |  |  |  |                                       |  |  |  |                  |  |  |  |                                       |  |  |  |                |  |  |  |                        |  |  |  |                    |  |  |  |                 |  |  |  |                 |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |                                 |  |  |  |              |  |  |  |                        |  |  |  |  |  |  |  |  |  |  |  |                               |  |  |  |                     |  |  |  |                             |  |  |  |  |  |  |  |                            |  |  |  |                                 |  |  |  |                                   |  |  |  |              |  |  |  |               |  |  |  |                                     |  |  |  |                      |  |  |  |                         |  |  |  |                      |  |  |  |                                    |  |  |  |                                |  |  |  |                              |  |  |  |                         |  |  |  |                           |  |  |  |                                   |  |  |  |                       |  |  |  |                         |  |  |  |                  |  |  |  |  |  |  |  |                     |  |  |  |  |  |  |  |  |  |  |                                |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                 |                 |          |          |    |  |  |  |    |    |    |    |  |  |  |  |   |  |  |  |  |  |                                |  |                                 |                               |   |  |                              |  |    |  |   |  |  |  |  |  |  |  |    |  |  |  |                  |  |  |  |  |  |  |  |                |  |  |  |

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**ENGINEERING CHANGE PROPOSAL (ECP), PAGE 4 Not Applicable**Form Approved  
OMB No. 0704-0180

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ECP NUMBER MI-N3894

**51. ESTIMATED NET TOTAL COST IMPACT (Use parentheses for savings)**

| FACTOR   | Non-Recurring<br>(a) | COST/SAVINGS UNDER CONTRACT |                 |                          | Total<br>(e) | Other Costs<br>Savings to the<br>Government<br>(f) |
|--|----------------------|-----------------------------|-----------------|--------------------------|--------------|--|
|  |                      | Unit<br>(b)                 | Quantity<br>(c) | Total (Recurring)<br>(d) |              |  |
| <b>a. PRODUCTION COST/SAVINGS</b>                        |                      |                             |                 |                          |              |  |
| (1) CONFIGURATION REM/CSG                                |                      |                             |                 |                          |              |  |
| (2) FACTORY TEST EQUIPMENT                               |                      |                             |                 |                          |              |  |
| (3) SPECIAL FACTORY TOOLING                              |                      |                             |                 |                          |              |  |
| (4) SCRAP  |                      |                             |                 |                          |              |  |
| (5) ENGINEERING, ENGINEERING DATA                        |                      |                             |                 |                          |              |  |
| <b>REVISION</b>  |                      |                             |                 |                          |              |  |
| (6) REVISION OF TEST PROCEDURES                          |                      |                             |                 |                          |              |  |
| (7) QUALIFICATION OF NEW ITEMS                           |                      |                             |                 |                          |              |  |
| (8) SUBTOTAL OF PROD COST/SAVINGS                        |                      |                             |                 |                          |              |  |
| <b>b. RETROFIT COSTS</b>                                 |                      |                             |                 |                          |              |  |
| (1) ENGINEERING DATA REVISION                            |                      |                             |                 |                          |              |  |
| (2) PROTOTYPE TESTING                                    |                      |                             |                 |                          |              |  |
| (3) KIT PROOF TESTING                                    |                      |                             |                 |                          |              |  |
| (4) RETROFIT KITS FOR OPERATIONAL                        |                      |                             |                 |                          |              |  |
| <b>SYSTEMS</b>   |                      |                             |                 |                          |              |  |
| (5) PREP. OF MIND TO TEST/QUALITY                        |                      |                             |                 |                          |              |  |
| (6) SPECIAL TOOLING FOR RETROFIT                         |                      |                             |                 |                          |              |  |
| (7) INSTALLATION - CONTRACTOR                            |                      |                             |                 |                          |              |  |
| <b>PERSONNEL</b>   |                      |                             |                 |                          |              |  |
| (8) INSTALLATION - GOVERNMENT                            |                      |                             |                 |                          |              |  |
| <b>PERSONNEL</b>   |                      |                             |                 |                          |              |  |
| (9) TESTING AFTER RETROFIT                               |                      |                             |                 |                          |              |  |
| (10) MODIFICATION OF GSE/GFP                             |                      |                             |                 |                          |              |  |
| (11) QUALIFICATION OF GSE/GFP                            |                      |                             |                 |                          |              |  |
| (12) SUBTOTAL OF RETROFIT                                |                      |                             |                 |                          |              |  |
| <b>COST/SAVINGS</b>                                      |                      |                             |                 |                          |              |  |
| <b>c. INTEGRATED LOGISTICS SUPPORT COST/SAVINGS</b>      |                      |                             |                 |                          |              |  |
| (1) SPARE/REPAIR PARTS REWORK                            |                      |                             |                 |                          |              |  |
| (2) NEW SPARE AND REPAIR PARTS                           |                      |                             |                 |                          |              |  |
| (3) SUPPLY/PROVISIONING DATA                             |                      |                             |                 |                          |              |  |
| (4) SUPPORT EQUIPMENT                                    |                      |                             |                 |                          |              |  |
| (5) RETROFIT KITS FOR SPARES                             |                      |                             |                 |                          |              |  |
| (6) OPERATOR TRAINING COURSES                            |                      |                             |                 |                          |              |  |
| (7) MAINTENANCE TRAINING COURSES                         |                      |                             |                 |                          |              |  |
| (8) REVISION OF TECHNICAL MANUALS                        |                      |                             |                 |                          |              |  |
| (9) NEW TECHNICAL MANUALS                                |                      |                             |                 |                          |              |  |
| (10) TRAINING TRAINERS                                   |                      |                             |                 |                          |              |  |
| (11) INTERIM SUPPORT                                     |                      |                             |                 |                          |              |  |
| (12) MAINTENANCE MANPOWER                                |                      |                             |                 |                          |              |  |
| (13) COMPUTER  |                      |                             |                 |                          |              |  |
| <b>PROGRAM/DOCUMENTATION</b>                             |                      |                             |                 |                          |              |  |
| (14) SUBTOTAL OF ILS COST/SAVINGS                        |                      |                             |                 |                          |              |  |
| <b>d. OTHER COSTS/SAVINGS</b>                            |                      |                             |                 |                          |              |  |
| <b>e. SUBTOTAL COSTS/SAVINGS</b>                         |                      |                             |                 |                          |              |  |
| (1) SUBTOTAL UNDER CONTRACT                              |                      |                             |                 |                          |              |  |
| <b>f. COORDINATION OF CHANGES WITH OTHER CONTRACTORS</b> |                      |                             |                 |                          |              | None   |
| <b>g. COORDINATION CHANGES BY GOVERNMENT</b>             |                      |                             |                 |                          |              | None   |
| <b>h. ESTIMATED NET TOTAL COSTS/SAVINGS</b>              |                      |                             |                 |                          |              | None   |

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## ENGINEERING CHANGE PROPOSAL (ECP), PAGE 5 Not Applicable

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ECP NUMBER MI-60103

## 52. ESTIMATED COSTS/SAVINGS SUMMARY, RELATED ECPs (Use parentheses for savings)

|   | CAGE CODE<br>(1) | ECP NUMBER<br>(2)   | COSTS / SAVINGS<br>UNDER CONTRACT<br>(3) | OTHER COSTS / SAVINGS<br>TO GOVERNMENT<br>(4) |
|---|------------------|---------------------|--|---|
| <b>a. PRODUCTION COSTS/SAVINGS</b> (Subtotal of Costs/Savings Elements from Page 4, Item 4.a., applicable to aircraft, ship, tank, vehicle, missile or its subsystem) |                  |                     |  |   |
| (1) SUBTOTAL PRODUCTION COSTS / SAVINGS   |                  |                     |  |   |
| <b>b. RETROFIT COSTS</b> (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)  |                  |                     |  |   |
| (2) SUBTOTAL RETROFIT COSTS   |                  |                     |  |   |
| <b>c. INTEGRATED LOGISTICS SUPPORT COSTS / SAVINGS</b>  |                  |                     |  |   |
| <b>REVISED REQUIREMENTS</b>   |                  |                     |  |   |
| (1) ITEM RETROFIT (Not covered under "b") (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)   |                  |                     |  |   |
| (2) ILS SUBTOTAL (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)  |                  |                     |  |   |
| (3) OPERATOR TRAINER (Net total cost / saving from each covering country / trainer)   |                  |                     |  |   |
| (4) MAINTENANCE TRAINER (Net total cost saving from ECP covering maintenance / trainer)   |                  |                     |  |   |
| (5) OTHER TRAINING EQUIPMENT  |                  |                     |  |   |
| (6) SUPPORT EQUIPMENT (Net total cost / saving from each on support equipment)  |                  |                     |  |   |
| <b>DOCUMENTS</b>  |                  |                     |  |   |
| (7) ILS PLANS   |                  |                     |  |   |
| (8) MAINTENANCE CONCEPT, PLANS, SYSTEM  |                  |                     |  |   |
| (9) INTERIM SUPPORT PLAN  |                  |                     |  |   |
| <b>NEW REQUIREMENTS</b>   | CAGE CODE        | NON-RECURRING COSTS | RECURRING COSTS<br>UNIT<br>QTY<br>TOTAL  |   |
| (10) PROVISIONING DOCUMENTATION   |                  |                     |  |   |
| (11) OPER TANK / TONG DEVICES / EQUIP   |                  |                     |  |   |
| (12) MANUALS / SPARES, REPAIR PARTS   |                  |                     |  |   |
| (For (12))  |                  |                     |  |   |
| (13) MAINTENANCE TRAINING DEVICES/EQUIP   |                  |                     |  |   |
| (14) MANUALS/SPARES, REPAIR PARTS   |                  |                     |  |   |
| (For (14))  |                  |                     |  |   |
| (15) SUPPORT EQUIPMENT  |                  |                     |  |   |
| (16) MANUALS (For (15))   |                  |                     |  |   |
| (17) PROVISIONING DOCUMENTATION   |                  |                     |  |   |
| (For (16))  |                  |                     |  |   |
| (18) REPAIR PARTS (For (16))  |                  |                     |  |   |
| (19) SUBTOTAL ILS COSTS / SAVINGS (Sum of (12) through (18))  |                  |                     |  |   |
| <b>d. OTHER COSTS / SAVINGS</b><br>Total from Page 4, Item 4.d., or related ECP's   |                  |                     |  |   |
|   |                  |                     |  |   |
| (1) TOTAL OTHER COSTS / SAVINGS   |                  |                     |  |   |
| (2) SUBTOTAL OF COLUMNS   |                  |                     |  |   |
| (3) SUBTOTAL UNDER CONTRACT   |                  |                     |  |   |
| <b>e. ESTIMATED NET TOTAL COSTS / SAVINGS</b><br>(2 - 3 + c + d)  |                  |                     |  |   |

| ENGINEERING CHANGE PROPOSAL (ECP) (HARDWARE), PAGE 6 Not Applicable   |  |  |  |  |  |  |  |  |  |  |  |  | Form Approved<br>OMB No. 0704-0188 |  |                       |  |                    |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|------------------------------------|--|-----------------------|--|--------------------|--|
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|   |  |  |  |  |  |  |  |  |  |  |  |  | 13. CAGE CODE                      |  |                       |  |                    |  |
| 54. CONFIGURATION ITEM NOMENCLATURE   |  |  |  |  |  |  |  |  |  |  |  |  | 55. TITLE OF CHANGE                |  |                       |  |                    |  |
| 56. DATE AUTHORIZATION TO PROCEED   |  |  |  |  |  |  |  |  |  |  |  |  | 57. START DELIVERY                 |  | 58. COMPLETE DELIVERY |  | 59. PROGRESS POINT |  |
| RECEIVED BY CONTRACTOR (TYNMMCO) →  |  |  |  |  |  |  |  |  |  |  |  |  | A                                  |  | C                     |  |                    |  |
| NO. OF MONTHS   |  |  |  |  |  |  |  |  |  |  |  |  | 13                                 |  | 25                    |  | 37                 |  |
| 1 2 3 4 5 6 7 8 9 10 11 12  |  |  |  |  |  |  |  |  |  |  |  |  | 13 14 15 16 17 18 19 20 21 22      |  | 25 26 27 28 29 30 31  |  | 37 38 39 40 41 42  |  |
| (1) Production  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (2) Tech Manuals  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (3) Retrofit  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (4) MWD/TC/SC/ALT/TO  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (5) Spare / Repair Parts  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (1) Production  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (2) Tech Manuals / Prog. Tapes  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (3) Retrofit  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (4) MWD/TC/SC/ALT/TO  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (5) Repair Parts  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (1) Operator  |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| (2) Maintenance   |  |  |  |  |  |  |  |  |  |  |  |  |                                    |  |                       |  |                    |  |
| NO. OF MONTHS   |  |  |  |  |  |  |  |  |  |  |  |  | 13                                 |  | 25                    |  | 37                 |  |
| 1 2 3 4 5 6 7 8 9 10 11 12  |  |  |  |  |  |  |  |  |  |  |  |  | 13 14 15 16 17 18 19 20 21 22      |  | 25 26 27 28 29 30 31  |  | 37 38 39 40 41 42  |  |

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| ENGINEERING CHANGE PROPOSAL (ECP) (SOFTWARE), PAGE 7 Not Applicable   |  |  |  |  |  |  |  |  |  |  |  | Form Approved<br>OMB No. 0704-0187   |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
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| 59. COMPUTER SOFTWARE ITEM NOMENCLATURE   |  |  |  |  |  |  |  |  |  |  |  | 50. TITLE OF CHANGE  |  |
| 60. DATE AUTHORIZATION TO PROCEED   |  |  |  |  |  |  |  |  |  |  |  | <input type="checkbox"/> START DELIVERY <input type="checkbox"/> COMPLETE DELIVERY <input type="checkbox"/> PROGRESS POINT |  |
| RECEIVED BY CONTRACTOR (YYYYMMDD) →   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO OF MONTHS  |  |  |  |  |  |  |  |  |  |  |  | 13   14   15   16   17   18   19   20   21   22   23   24  |  |
| 1   2   3   4   5   6   7   8   9   10   11   12  |  |  |  |  |  |  |  |  |  |  |  | 25   26   27   28   29   30   31   32   33   34   35   36  |  |
| COMPLIMENTARY ITEM  | (1) Software Engineering                     |  |  |  |  |  |  |  |  |  |  |  |  |
|   | (2) Software Documentation                   |  |  |  |  |  |  |  |  |  |  |  |  |
|   | (3) Software Replication                     |  |  |  |  |  |  |  |  |  |  |  |  |
|   | (4) Software Distribution                    |  |  |  |  |  |  |  |  |  |  |  |  |
| SUPPORT EQUIPMENT   | (1) Software Engineering Environment Upgrade |  |  |  |  |  |  |  |  |  |  |  |  |
|   | (2) Software Test Environment Upgrade        |  |  |  |  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRAINING  | (1) Operator                                 |  |  |  |  |  |  |  |  |  |  |  |  |
|   | (2) Maintenance                              |  |  |  |  |  |  |  |  |  |  |  |  |
| NO OF MONTHS  |  |  |  |  |  |  |  |  |  |  |  | 13   14   15   16   17   18   19   20   21   22   23   24  |  |
| 1   2   3   4   5   6   7   8   9   10   11   12  |  |  |  |  |  |  |  |  |  |  |  | 25   26   27   28   29   30   31   32   33   34   35   36  |  |


DD Form 1592/6, APR 92

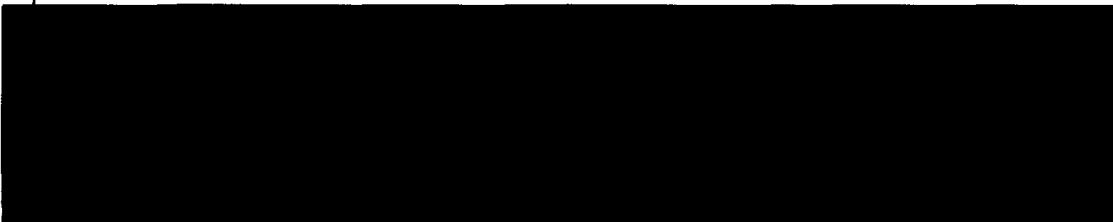
(Computer Generated)



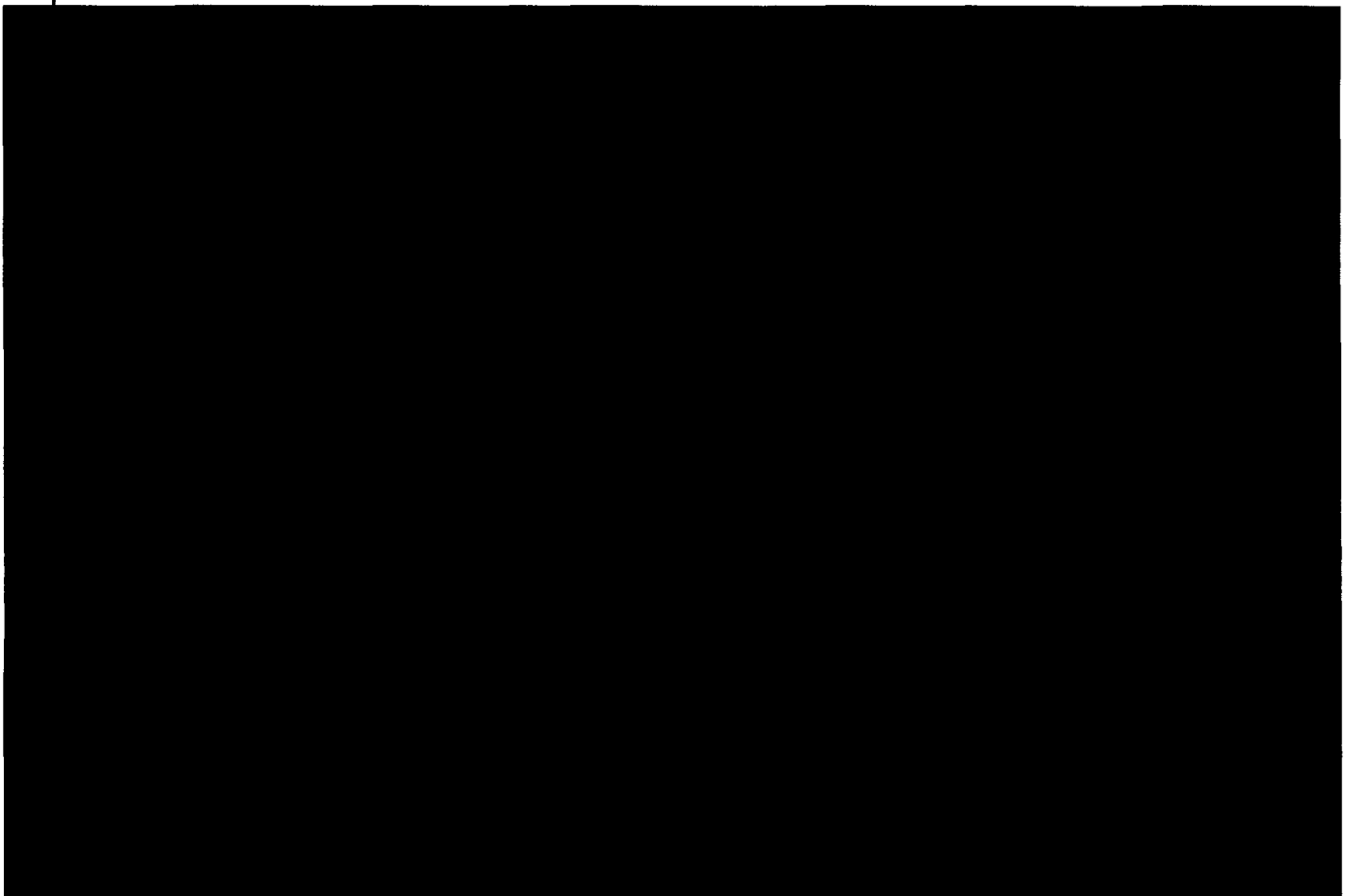
**Notice of Revision (NOR)**

**Sheet 1 of 5**

|  |  |  |  |
|--|--|--|--|
| <b>Notice of Revision (NOR)</b><br>THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED   |  | <b>1. DATE (YYMMDD)</b><br>100818  | <b>Form Approved</b><br>OMB No. 0704-0188                    |
| Public reporting burden for this collection of information is estimated to average 2 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 Washington, DC 20503. |  | <b>2. PROCURING ACTIVITY NO.</b>   |  |
| Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188).  |  | <b>3. CDDAC</b><br>W8113M  |  |
| <b>4. ORIGINATOR</b><br><b>a. TYPED NAME (First, Middle, Last)</b><br>  |  | <b>b. ADDRESS (Street, City, State, Zip Code)</b><br>350 Lowell Street<br>Arcanor, MA 01810                | <b>5. CAGE CODE</b><br>05718<br><b>7. CAGE CODE</b><br>05718 |
| <b>9. TITLE OF DOCUMENT</b><br>JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (PDS)   |  | <b>10. REVISION LETTER</b><br><b>a. CURRENT</b><br>K   | <b>b. NEW</b><br>L   |
| <b>11. ECP NO.</b><br>MLN8884  |  | <b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b><br>COMMUNICATION AND PROCESSING GROUP (CPG) |  |



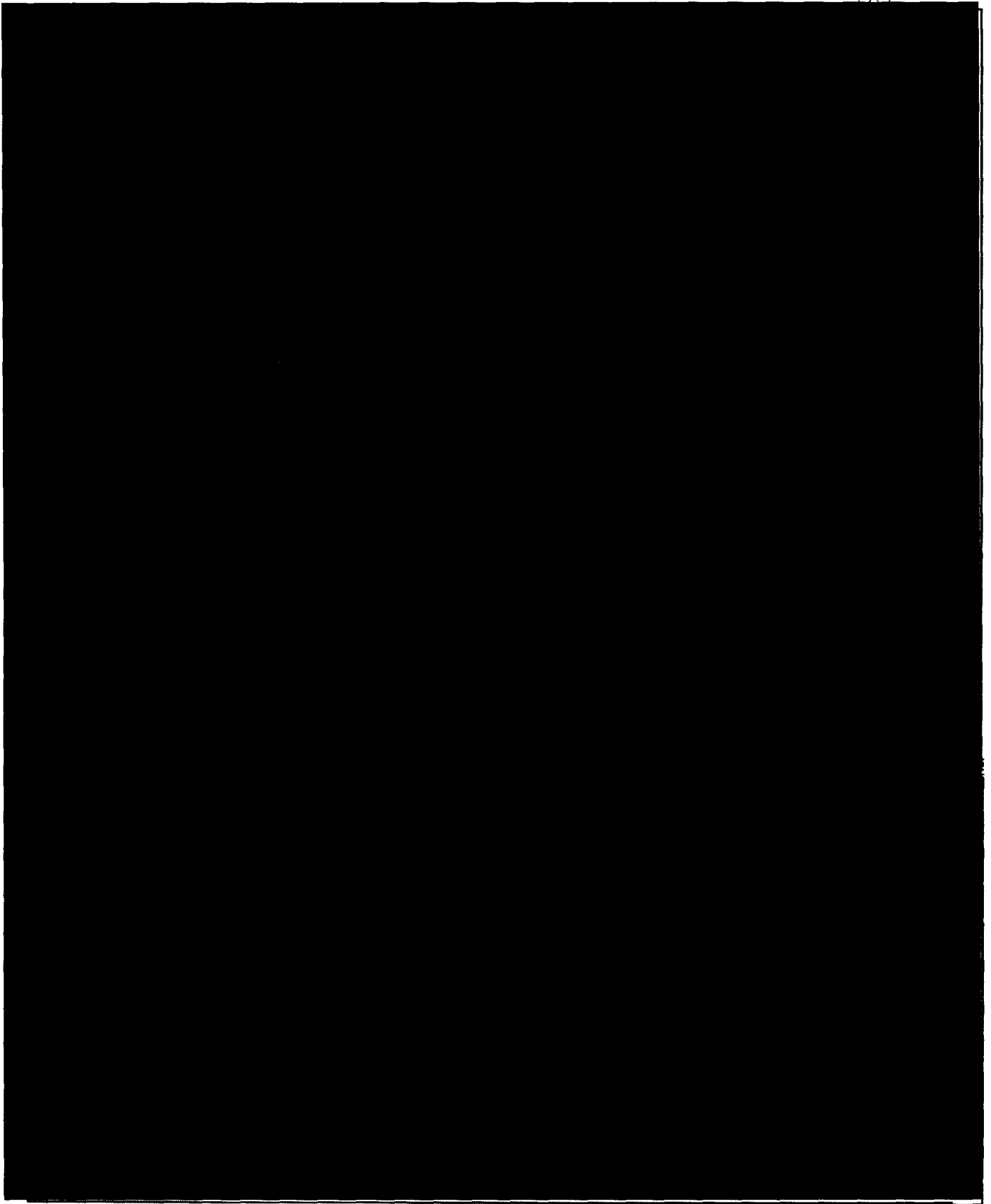
(b)(3)(A)(i)&Title 10  
Sec 130 (a)(b)



002125

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

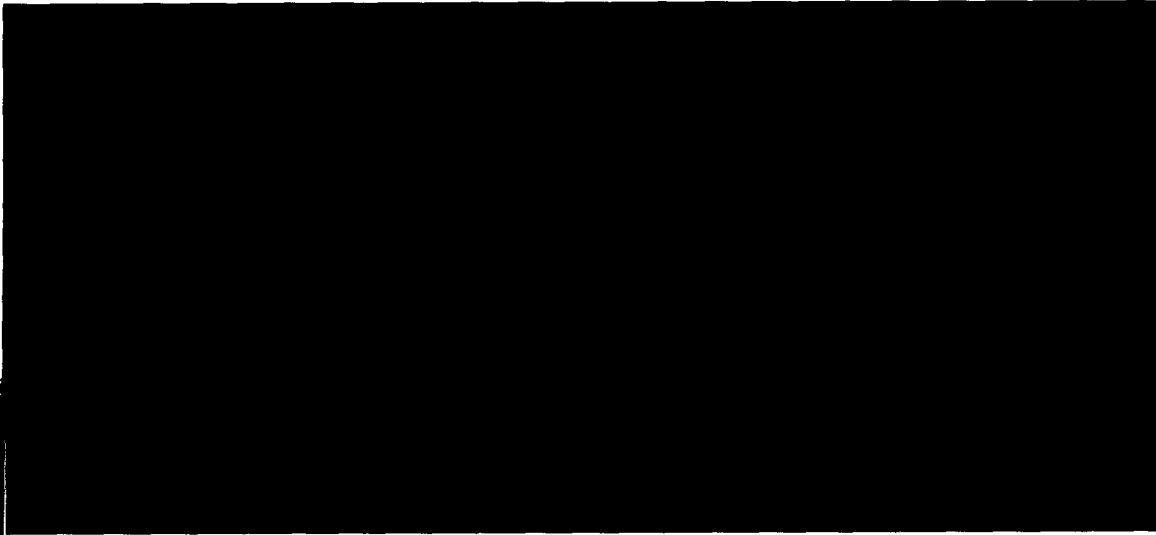
(b)(3)(A)(i)&Title 10 Sec  
130 (a)(b)



(b)(3)  
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(i)&T  
itle 10  
Sec  
130  
(a)(b)

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



(b)(3)(A)(i)&Title  
10 Sec 130 (a)(1)

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|  | <input type="checkbox"/>                 | (2) Revised document must be received before manufacturer may incorporate this change.   |
|  | <input type="checkbox"/>                 | (3) Custodian of master document shall make above revision and furnish revised document. |
| <b>b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT</b> |  | <b>c. TYPED NAME (First, Middle Initial, Last)</b>                                       |
| <b>d. TITLE</b>  | <b>e. SIGNATURE</b>                      | <b>f. DATE SIGNED (YYMMDD)</b>   |
| <b>15. a. ACTIVITY ACCOMPLISHING REVISION</b>                  | <b>b. REVISION COMPLETED (Signature)</b> | <b>c. DATE SIGNED (YYMMDD)</b>   |

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Previous editions are obsolete

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002128

**Notice of Revision (NOR) continued****Sheet 5 of 5**

|  |                         |
|--|-------------------------|
| Title of Document  | NOR No                  |
| JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (PIDS) | 2                       |
|  | Document No.<br>H377785 |

002129



**Raytheon**

**JOINT LAND ATTACK CRUISE MISSILE  
DEFENSE ELEVATED NETTED SENSOR (JLENS)**

**ECP MI-N3895  
CDRL B039-007  
Rev -  
CAGE Code 05716  
September 28, 2010**

In Accordance with:  
Contract No. DASG60-98-C-0001  
Contract Line Item Numbers 0017

Prepared by:  
Raytheon Company  
350 Lowell Street  
Andover, MA 01810

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002130

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CAGE Code 05716  
September 28, 2010  
ECP MI-N3895 Rev-

**CHANGE RECORD PAGE**

| Revision | Date      | Affected Pages | Authorized By | Explanation of Change |
|----------|-----------|----------------|---------------|-----------------------|
| -        | 9/28/2010 | All            | [REDACTED]    | Original Document     |
|          |           |                |               |                       |
|          |           |                |               |                       |
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002131

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September 28, 2010  
ECP MI-N3895 Rev.

Approval Signatures

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|  | <br>Name _____ | <u>9/23/10</u><br>Date _____ | (b)(6) |
|  | <br>Name _____  | <u>9/24/10</u><br>Date _____ | (b)(6) |
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002132



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## Raytheon Proprietary

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ECP MI-N3825 Rev-

| ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1  |           |                             |      | 1. DATE (YYMMDD)<br>199508                            |           | Form Approved<br>OMB No. 0704-0180 |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
|--|-----------|-----------------------------|------|---|-----------|------------------------------------|------|-----|-----------|--------|------|-----|-----------|--------|---------|---|---|--|--|--|--|----------------|--|--|--|--|--|--|--|--|---------------|--|--|--|--|--|--|--|--|--|--|--|--|
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| 3. ORIGINATOR  |           |                             |      | 4. ADDRESS (Street, City, State, Zip Code)            |           | 5. CLASS OF ECP                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| a. TYPED NAME (Print, Middle Initial, Last)  |           |                             |      | b. ADDRESS (Street, City, State, Zip Code)            |           | 6. JUST CODE                       |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| [Redacted]   |           |                             |      | Andover, MA 01810                                     |           | 7. PRIORITY                        |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| [Redacted]   |           | 199508                      |      | CPQ PIDS  |           | [ ] PRODUCTION                     |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| [Redacted]   |           | F                           |      | -   |           | YES [ ] NO [X]                     |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| Updates for CPQ Build 3 FVT  |           |                             |      |   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| DAS00009-C-0001 CLIN-0016  |           |                             |      | a. NAME (Print, Middle Initial, Last) Diana F. Thomas |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
|  |           |                             |      | b. CODE 001100  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
|  |           |                             |      | c. TELEPHONE NO. 208-651-1331                         |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| H07718 JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PHASE ITEM IN DEVELOPMENT SPECIFICATION (PDS)  |           |                             |      |   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| YES [ ] NO [X]   |           |                             |      |   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| a. NAME/CLAS   |           |                             |      | b. PART NO.   |           | c. ASN                             |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| CPQ Mission Operations CSCI  |           |                             |      | P8 JLENS-100-000-001                                  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| CPQ Mission Support CSCI   |           |                             |      | H0C-0000-000  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| CPQ Mission Management CSCI  |           |                             |      | P100-0000-000-000                                     |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| CPQ Display and Process Manager CSCI   |           |                             |      | H00-000   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| CPQ PIDS Rev. K updates for FVT  |           |                             |      |   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| Updates to satisfy FVT requirements  |           |                             |      |   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
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| 23. RETIRING   |           |                             |      | 24. EFFECT ON PRODUCTION DELIVERY SCHEDULE            |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| a. RECOMMENDED RETIRING EFFECTIVITY NA   |           |                             |      | b. SUPPLY/VEHICLE CLASS AFFECTED NA                   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| c. ESTIMATED SUPPLY DELIVERY SCHEDULE NA   |           |                             |      | d. LOCATION OR SUPPLY/VEHICLE NUMBERS AFFECTED NA     |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| 25. ESTIMATED COST/SAVINGS UNDER CONTRACT NA   |           |                             |      | 26. ESTIMATED NET TOTAL COST/SAVINGS NA               |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| 27. SUBMITTING ACTIVITY  |           |                             |      | 28. TITLE   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| a. AUTHORIZED SIGNATURE  |           |                             |      | CPQ SPT Lead  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| 29. APPROVAL   |           |                             |      | 30. DATE SIGNED (YYMMDD)                              |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| a. CLASS 1   |           |                             |      | b. CLASS 2  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| X APPROVAL REQUESTED   |           |                             |      | APPROVED  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| c. APPROVAL REQUESTED  |           |                             |      | d. SIGNATURE  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| [Redacted]   |           |                             |      | [Redacted]  |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| e. APPROVAL  |           |                             |      | f. DATE SIGNED (YYMMDD)                               |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |
| X APPROVED   |           |                             |      | 10/1/15   |           |                                    |      |     |           |        |      |     |           |        |         |   |   |  |  |  |  |                |  |  |  |  |  |  |  |  |               |  |  |  |  |  |  |  |  |  |  |  |  |

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ECP NUMBER MI-N3896

**EFFECTS ON FUNCTIONAL/ALLOCATED CONFIGURATION DOCUMENTATION**2A. OTHER SYSTEMS AFFECTED  
None

2B. OTHER CONTRACTOR/ACTIVITIES AFFECTED

(b)(4)

3A. CONFIGURATION ITEMS AFFECTED

CPG Prime Item

31. EFFECTS ON PERFORMANCE ALLOCATIONS AND INTERFACES IN SYSTEM SPECIFICATION

H381705-Vol 2 System External IRG Rev. F updated according to results of JLENS CPG meeting September 16, 2010  
H422133 CPG IRG will be updated according to the results of this meeting.

32. EFFECTS ON EMPLOYMENT, INTEGRATED LOGISTICS SUPPORT, TRAINING, OPERATIONAL EFFECTIVENESS OR SOFTWARE

Training and ITEM will reflect selected user GUI and functional updates.

33. EFFECTS ON CONFIGURATION ITEM SPECIFICATIONS

As Specified in MCR submitted with this ECP

34. DEVELOPMENTAL REQUIREMENTS AND STATUS

As specified in MCR to CPG Software builds.

35. TRADE-OFFS AND ALTERNATE SOLUTIONS

None

36. DATE BY WHICH CONTRACTUAL AUTHORITY IS NEEDED (YYMMDD)  
101928

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## ENGINEERING CHANGE PROPOSAL (ECP), PAGE 3

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ECP NUMBER MI-N3895

## EFFECTS ON PRODUCT CONFIGURATION DOCUMENTATION, LOGISTICS AND OPERATIONS Not Applicable

| (X) | FACTOR  | ENCL | PAR. | (X) | FACTOR                                 | ENCL | PAR. |
|-----|---|------|------|-----|--|------|------|
|     | 27. EFFECTS ON PRODUCTION CONFIGURATION DOCUMENTATION OR CONTRACT |      |      |     | 39. EFFECTS ON OPERATIONAL EMPLOYMENT  |      |      |
|     | a. PERFORMANCE  |      |      |     | a. SAFETY                              |      |      |
|     | b. WEIGHT-BALANCE-STABILITY (AKO/MT)                              |      |      |     | b. SURVIVABILITY                       |      |      |
|     | c. WEIGHT-MOVEMENT (Other equipment)                              |      |      |     | c. RELIABILITY                         |      |      |
|     | d. CORL TECHNICAL DATA  |      |      |     | d. MAINTAINABILITY                     |      |      |
|     | e. NOMENCLATURE   |      |      |     | e. SERVICE LIFE                        |      |      |
|     | 38. EFFECT ON INTEGRATED LOGISTICS SUPPORT (ILS) ELEMENTS         |      |      |     | f. OPERATING PROCEDURES                |      |      |
|     | a. ILS PLANS  |      |      |     | g. ELECTROMAGNETIC INTERFERENCE        |      |      |
|     | b. MAINTENANCE CONCEPT, PLANS AND PROCEDURES                      |      |      |     | h. ACENATION SCHEDULE                  |      |      |
|     | c. LOGISTICS SUPPORT ANALYSES                                     |      |      |     | i. CRITICAL SINGLE POINT FAILURE ITEMS |      |      |
|     | d. INTERIM SUPPORT PROGRAMS                                       |      |      |     | j. INTEROPERABILITY                    |      |      |
|     | e. SPARES AND REPAIR PARTS  |      |      |     | 40. OTHER CONSIDERATIONS               |      |      |
|     | f. TECH MANUALS/PROGRAMMING TAPES                                 |      |      |     | a. INTERFACE                           |      |      |
|     | g. FACILITIES   |      |      |     | b. OTHER AFFECTED EQUIPMENT/GE/SEP     |      |      |
|     | h. SUPPORT EQUIPMENT  |      |      |     | c. PHYSICAL CONSTRAINTS                |      |      |
|     | i. OPERATOR TRAINING  |      |      |     | d. COMPUTER PROGRAMS AND RESOURCES     |      |      |
|     | j. OPERATOR TRAINING EQUIPMENT                                    |      |      |     | e. REWORK OF OTHER EQUIPMENT           |      |      |
|     | k. MAINTENANCE TRAINING   |      |      |     | f. SYSTEM TEST PROCEDURES              |      |      |
|     | l. MAINTENANCE TRAINING EQUIPMENT                                 |      |      |     | g. WARRANTY/GUARANTEE                  |      |      |
|     | m. CONTRACT MAINTENANCE   |      |      |     | h. PARTS CONTROL                       |      |      |
|     | n. PACKAGING, HANDLING, STORAGE TRANSPORTABILITY                  |      |      |     | i. LIFE CYCLE COSTS                    |      |      |

## 41. ALTERNATE SOLUTIONS

NA

## 42. DEVELOPMENTAL STATUS

NA

## 43. RECOMMENDATIONS FOR RETROFIT

NA

|  |                               |  |          |   |    |
|--|-------------------------------|--|----------|---|----|
| 44. WORK-HOURS PER UNIT TO INSTALL RETROFIT KITS             |                               |  |          | 45. WORK-HOURS TO CONDUCT SYSTEM TESTS AFTER RETROFIT |    |
| a. ORGANIZATION  | b. INTERMEDIATE               | c. DEPOT   | d. OTHER | NA  |    |
| NA   | NA                            | NA   | NA       |   |    |
| 46. THIS CHANGE MUST BE ACCOMPLISHED:                        |                               |  |          | 47. IS CONTRACTOR FIELD SERVICE ENGINEERING REQUIRED? |    |
| <input type="checkbox"/> BEFORE                              | <input type="checkbox"/> WITH | <input type="checkbox"/> AFTER THE FOLLOWING CHANGES |          | YES   | NO |
| NA   | NA                            | NA   |          |   |    |
| 48. EFFECT OF THIS ECP AND PREVIOUSLY APPROVED ECP'S ON ITEM |                               |  |          | 49. OUT OF SERVICE TIME                               |    |
| NA   |                               |  |          | NA  |    |
|  |                               |  |          | 50. DATE CONTRACTUAL AUTHORITY NEEDED FOR (YYMMDD)    |    |
|  |                               |  |          | a. PRODUCTION NA                                      |    |
|  |                               |  |          | b. RETROFIT NA  |    |

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ECP NUMBER MI-N3895

51. ESTIMATED NET TOTAL COST IMPACT (Use parentheses for savings)

| FACTOR   | Non-Recurring<br>(a) | COST/SAVINGS UNDER CONTRACT |                 |                       | Total<br>(e) | Other Costs/<br>Savings to the<br>Government<br>(f) |
|--|----------------------|-----------------------------|-----------------|-----------------------|--------------|---|
|  |                      | Unit<br>(b)                 | Quantity<br>(c) | Total (Amount)<br>(d) |              |   |
| <b>a. PRODUCTION COST/SAVINGS</b>                        |                      |                             |                 |                       |              |   |
| (1) CONFIGURATION ITEM/CBOM                              |                      |                             |                 |                       |              |   |
| (2) FACTORY TEST EQUIPMENT                               |                      |                             |                 |                       |              |   |
| (3) SPECIAL FACTORY TOOLING                              |                      |                             |                 |                       |              |   |
| (4) SCRAP  |                      |                             |                 |                       |              |   |
| (5) ENGINEERING, ENGINEERING DATA                        |                      |                             |                 |                       |              |   |
| <b>REVISION</b>  |                      |                             |                 |                       |              |   |
| (6) REVISION OF TEST PROCEDURES                          |                      |                             |                 |                       |              |   |
| (7) QUALIFICATION OF NEW ITEMS                           |                      |                             |                 |                       |              |   |
| (8) SUBTOTAL OF PROD COST/SAVINGS                        |                      |                             |                 |                       |              |   |
| <b>b. RETROFIT COSTS</b>                                 |                      |                             |                 |                       |              |   |
| (1) ENGINEERING DATA REVISION                            |                      |                             |                 |                       |              |   |
| (2) PROTOTYPE TESTING                                    |                      |                             |                 |                       |              |   |
| (3) REF PROOF TESTING                                    |                      |                             |                 |                       |              |   |
| (4) RETROFIT TIME FOR OPERATIONAL                        |                      |                             |                 |                       |              |   |
| <b>SYSTEMS</b>   |                      |                             |                 |                       |              |   |
| (5) PREP OF MWOTG/DOWNTIME                               |                      |                             |                 |                       |              |   |
| (6) SPECIAL TOOLING FOR RETROFIT                         |                      |                             |                 |                       |              |   |
| (7) INSTALLATION - CONTRACTOR                            |                      |                             |                 |                       |              |   |
| <b>PERSONNEL</b>   |                      |                             |                 |                       |              |   |
| (8) INSTALLATION - GOVERNMENT                            |                      |                             |                 |                       |              |   |
| (9) TESTING AFTER RETROFIT                               |                      |                             |                 |                       |              |   |
| (10) MODIFICATION OF SPECIF                              |                      |                             |                 |                       |              |   |
| (11) QUALIFICATION OF SPECIF                             |                      |                             |                 |                       |              |   |
| (12) SUBTOTAL OF RETROFIT                                |                      |                             |                 |                       |              |   |
| <b>COST/SAVINGS</b>                                      |                      |                             |                 |                       |              |   |
| <b>c. INTEGRATED LOGISTICS SUPPORT COST/SAVINGS</b>      |                      |                             |                 |                       |              |   |
| (1) SPARE/REPAIR PARTS NETWORK                           |                      |                             |                 |                       |              |   |
| (2) NEW SPARES AND REPAIR PARTS                          |                      |                             |                 |                       |              |   |
| (3) SUPPLY/PROVISIONING DATA                             |                      |                             |                 |                       |              |   |
| (4) SUPPORT EQUIPMENT                                    |                      |                             |                 |                       |              |   |
| (5) RETROFIT KITS FOR SPARES                             |                      |                             |                 |                       |              |   |
| (6) OPERATOR TRAINING COURSES                            |                      |                             |                 |                       |              |   |
| (7) MAINTENANCE TRAINING COURSES                         |                      |                             |                 |                       |              |   |
| (8) REVISION OF TECHNICAL MANUALS                        |                      |                             |                 |                       |              |   |
| (9) NEW TECHNICAL MANUALS                                |                      |                             |                 |                       |              |   |
| (10) TRAINING/TRAINERS                                   |                      |                             |                 |                       |              |   |
| (11) INTERIM SUPPORT                                     |                      |                             |                 |                       |              |   |
| (12) MAINTENANCE MANPOWER                                |                      |                             |                 |                       |              |   |
| (13) COMPUTER  |                      |                             |                 |                       |              |   |
| <b>PROGRAM/DOCUMENTATION</b>                             |                      |                             |                 |                       |              |   |
| (14) SUBTOTAL OF ILS COST/SAVINGS                        |                      |                             |                 |                       |              |   |
| <b>d. OTHER COST/SAVINGS</b>                             |                      |                             |                 |                       |              |   |
| <b>e. SUBTOTAL COST/SAVINGS</b>                          |                      |                             |                 |                       |              |   |
| (15) SUBTOTAL UNDER CONTRACT                             |                      |                             |                 |                       |              |   |
| <b>f. COORDINATION OF CHANGES WITH OTHER CONTRACTORS</b> |                      |                             |                 |                       |              | None  |
| <b>g. COORDINATION CHANGES BY GOVERNMENT</b>             |                      |                             |                 |                       |              | None  |
| <b>h. ESTIMATED NET TOTAL COST/SAVINGS</b>               |                      |                             |                 |                       |              | None  |

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ECP NUMBER MI-N3895

**52. ESTIMATED COSTS/SAVINGS SUMMARY RELATED ECP'S (Use parentheses for savings)**

|   | CAGE CODE<br>(A) | ECP NUMBER<br>(H)   | COSTS / SAVINGS<br>UNDER CONTRACTS<br>(G) | OTHER COSTS / SAVINGS<br>TO GOVERNMENT<br>(B) |
|---|------------------|---------------------|---|---|
| <b>a. PRODUCTION COSTS/SAVINGS</b> (Subset of Costs/Savings Elements from Page 4, Item 4.a., applicable to aircraft, ship, tank, vehicle, missile or its subsystem) |                  |                     |   |   |
| (1) SUBTOTAL PRODUCTION COSTS / SAVINGS   |                  |                     |   |   |
| <b>b. RETROFIT COSTS</b> (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)  |                  |                     |   |   |
| (1) SUBTOTAL RETROFIT COSTS   |                  |                     |   |   |
| <b>c. INTEGRATED LOGISTICS SUPPORT COSTS / SAVINGS</b>  |                  |                     |   |   |
| <b>REVISED REQUIREMENTS</b>   |                  |                     |   |   |
| (1) ITEM RETROFIT (Not covered under "a") (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)   |                  |                     |   |   |
| (2) ILS INFRASTRUCTURE (Applicable to aircraft, ship, tank, vehicle, missile or its subsystem)  |                  |                     |   |   |
| (3) OPERATOR TRAINER (Net total cost / savings from each covering operator trainer)   |                  |                     |   |   |
| (4) MAINTENANCE TRAINER (Net total cost / savings from each covering maintenance trainer)   |                  |                     |   |   |
| (5) OTHER TRAINING EQUIPMENT  |                  |                     |   |   |
| (6) SUPPORT EQUIPMENT (Net total cost / savings from each on support equipment)   |                  |                     |   |   |
| (7) ILS PLANS   |                  |                     |   |   |
| (8) MAINTENANCE CONCEPT, PLANS, SYSTEM DOCUMENTS  |                  |                     |   |   |
| (9) INTERIM SUPPORT PLAN  |                  |                     |   |   |
| <b>NEW REQUIREMENTS</b>   | CAGE CODE        | NON-RECURRING COSTS | RECURRING COSTS<br>UNIT QTY TOTAL         |   |
| (10) PROVISIONING DOCUMENTATION   |                  |                     |   |   |
| (11) OPERATOR / TRAINING SERVICES / EQUIP   |                  |                     |   |   |
| (12) MANUALS / SPARES, REPAIR PARTS   |                  |                     |   |   |
| (For (12))  |                  |                     |   |   |
| (13) MAINTENANCE TRAINING DEVICES/EQUIP   |                  |                     |   |   |
| (For (13))  |                  |                     |   |   |
| (14) MANUALS/SPARES, REPAIR PARTS   |                  |                     |   |   |
| (For (14))  |                  |                     |   |   |
| (15) SUPPORT EQUIPMENT  |                  |                     |   |   |
| (16) MANUALS (For (16))   |                  |                     |   |   |
| (17) PROVISIONING DOCUMENTATION   |                  |                     |   |   |
| (For (17))  |                  |                     |   |   |
| (18) REPAIR PARTS (For (18))  |                  |                     |   |   |
| (19) SUBTOTAL ILS COSTS / SAVINGS (Sum of c(1) through c(18))   |                  |                     |   |   |
| <b>d. OTHER COSTS / SAVINGS</b><br>(Total from Page 4, Item 4.d., or related ECP's)   |                  |                     |   |   |
| (1) TOTAL OTHER COSTS / SAVINGS   |                  |                     |   |   |
| (2) SUBTOTAL OF COLUMNS   |                  |                     |   |   |
| (3) SUBTOTAL UNDER CONTRACT   |                  |                     |   |   |
| <b>e. ESTIMATED NET TOTAL COSTS / SAVINGS</b><br>(a + b + c + d)  |                  |                     |   |   |

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|--|--------------------------------|---|---|---|---|---------------------|---|---|---|---|----|------------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
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|  |                                |   |   |   |   |                     |   |   |   |   |    | SA CAGE CODE<br>05718              |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 54. CONFIGURATION ITEM NOMENCLATURE  |                                |   |   |   |   | 55. TITLE OF CHANGE |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 56. DATE AUTHORIZATION TO PROCEED  |                                |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| RECEIVED BY CONTRACTOR (YTMW0) →   |                                |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> START DELIVERY         </div> <div> <input type="checkbox"/> COMPLETE DELIVERY         </div> <div> <input type="checkbox"/> PROGRESS POINT         </div> </div>  |                                |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| NO. OF MONTHS  |                                | 1 | 2 | 3 | 4 | 5                   | 6 | 7 | 8 | 9 | 10 | 11                                 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|  |                                | 1 | 2 | 3 | 4 | 5                   | 6 | 7 | 8 | 9 | 10 | 11                                 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| RECOMMENDATION   | (1) Production                 |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Tech Manuals               |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (3) Retrofit                   |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (4) MWO/TCO/SOIAL/TIO          |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (5) Spares / Repair Parts      |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| SUPPORT ELEMENT  | (1) Production                 |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Tech Manuals / Prog. Tapes |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (3) Retrofit                   |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (4) MWO/TCO/SOIAL/TIO          |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (5) Repair Parts               |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TRAINING   | (1) Operator                   |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Maintenance                |   |   |   |   |                     |   |   |   |   |    |                                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| NO. OF MONTHS  |                                | 1 | 2 | 3 | 4 | 5                   | 6 | 7 | 8 | 9 | 10 | 11                                 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|  |                                | 1 | 2 | 3 | 4 | 5                   | 6 | 7 | 8 | 9 | 10 | 11                                 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

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Previous editions are obsolete.

| ENGINEERING CHANGE PROPOSAL (ECP) (SOFTWARE), PAGE 7 Not Applicable  |  |   |   |   |   |   |   |   |   |   |    |    | Form Approved<br>OMB No. 0704-0188   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|--|--|---|---|---|---|---|---|---|---|---|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <p>Public Reporting Burden for this collection of information is estimated to average 2 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 Washington Headquarters Services, Directorate for Information Operations and Reports, 1216 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503.</p> <p><b>PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT / PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THE COMPLETED DD FORM 1692.</b></p> |  |   |   |   |   |   |   |   |   |   |    |    | ECP NUMBER MI-N3895  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 59. COMPUTER SOFTWARE ITEM NOMENCLATURE  |  |   |   |   |   |   |   |   |   |   |    |    | 67. CAGE CODE 05716  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 60. DATE AUTHORIZATION TO PROCEED  |  |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| RECEIVED BY CONTRACTOR (YYMMDD) →  |  |   |   |   |   |   |   |   |   |   |    |    | <input type="checkbox"/> START DELIVERY <input type="checkbox"/> COMPLETE DELIVERY <input type="checkbox"/> PROGRESS POINT |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| CON<br>FIR<br>M<br>A<br>T<br>I<br>O<br>N<br>I<br>T<br>E<br>M   | NO. OF MONTHS                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12   | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|  | (1) Software Engineering                     |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Software Documentation                   |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (3) Software Replication                     |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (4) Software Distribution                    |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| S<br>U<br>P<br>P<br>O<br>R<br>T<br>E<br>Q<br>U<br>I<br>P<br>M<br>E<br>N<br>T   | (1) Software Engineering Environment Upgrade |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Software Test Environment Upgrade        |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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| A<br>T<br>T<br>A<br>C<br>H<br>M<br>E<br>N<br>T   | (1) Operator                                 |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|  | (2) Maintenance                              |   |   |   |   |   |   |   |   |   |    |    |  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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|  | NO. OF MONTHS                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12   | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |

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Raytheon Proprietary

002140



# Notice of Revision (NOR)

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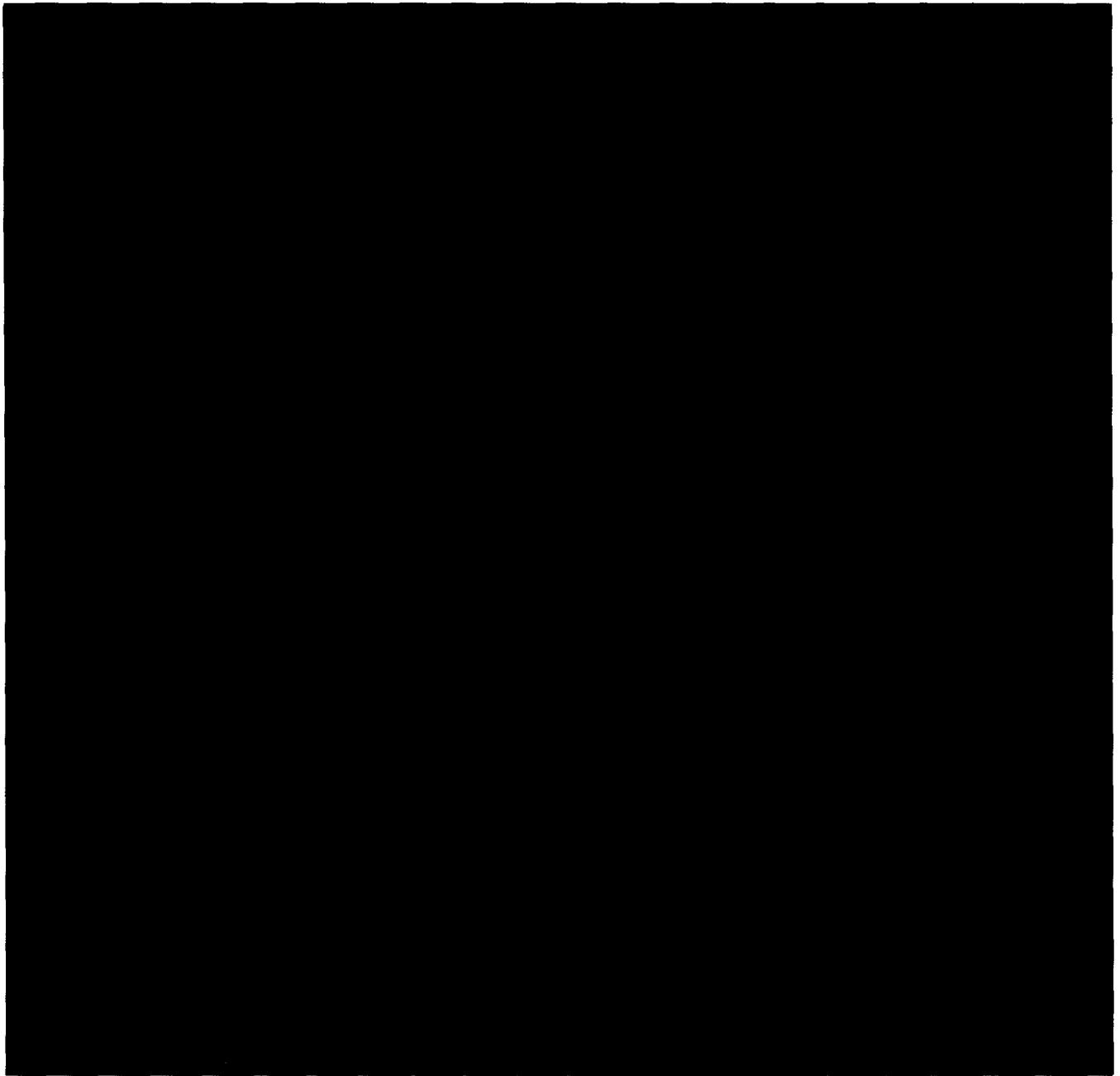
|  |  |  |   |
|--|--|--|---|
| <b>Notice of Revision (NOR)</b><br>THIS REVISION DESCRIBED BELOW HAS BEEN AUTHORIZED FOR THE DOCUMENT LISTED   |  | <b>1. DATE (YYMMDD)</b><br>100926  | <b>Form Approved</b><br>OMB No. 0704-0188 |
| Public reporting burden for this collection of information is estimated to average 2 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 Washington, DC 20503. |  | <b>2. PROCURING ACTIVITY NO.</b>   |   |
| Suite 1204, Arlington VA 22202-4392, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188).   |  | <b>3. DODAAC</b><br>W8112M   |   |
| <b>4. ORIGINATOR</b><br>a. TYPED NAME (First, Middle, Last)<br>   |  | b. ADDRESS (Street, City, State, Zip Code)<br>390 Lowell Street<br>Andover, MA 01810 | <b>5. CAGE CODE</b><br>05718              |
|  |  | <b>7. CAGE CODE</b><br>05718   | <b>8. NOR NO.</b><br>3                    |
| <b>1. TITLE OF DOCUMENT</b><br>JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (PIDS)  |  | <b>10. REVISION LETTER</b><br>a. CURRENT<br>K  | <b>11. ECP NO</b><br>MI-N3985             |
| <b>12. CONFIGURATION ITEM (OR SYSTEM) TO WHICH ECP APPLIES</b><br>COMMUNICATION AND PROCESSING GROUP (CPG)   |  | <b>6. NEW</b><br>L   |   |

(b)(3)

Additional Changes below.

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

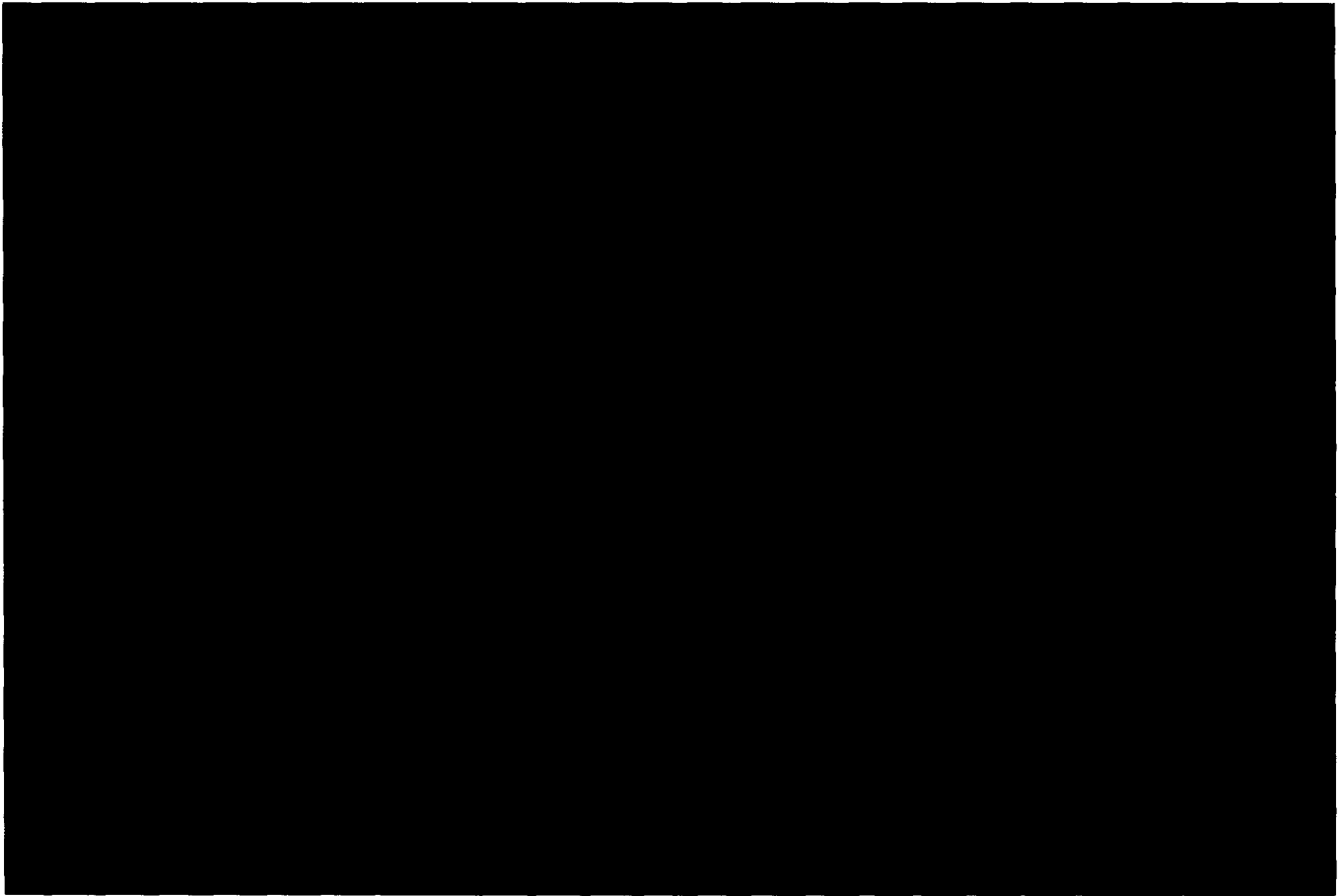
002141



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

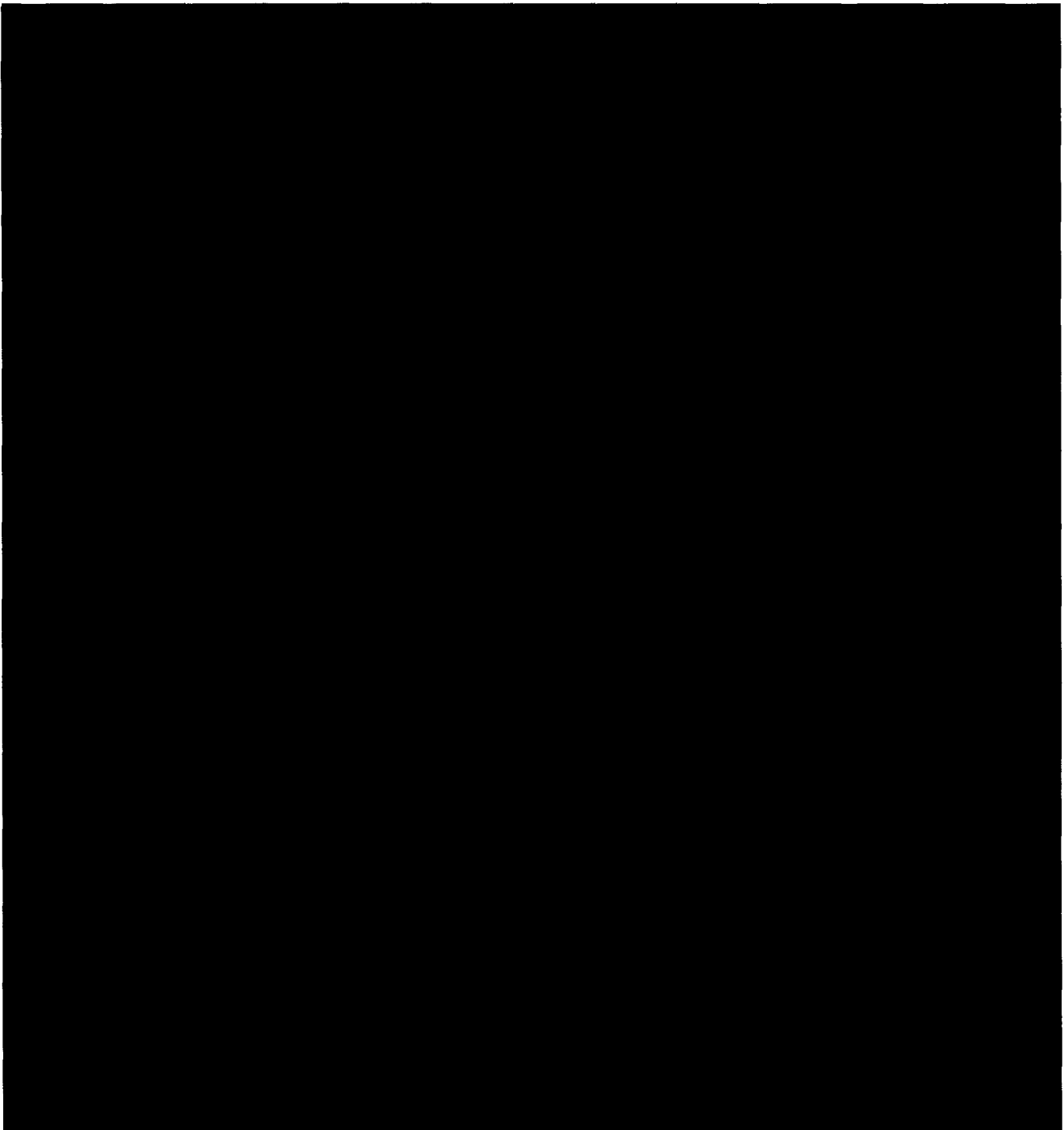
002142

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



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

002143

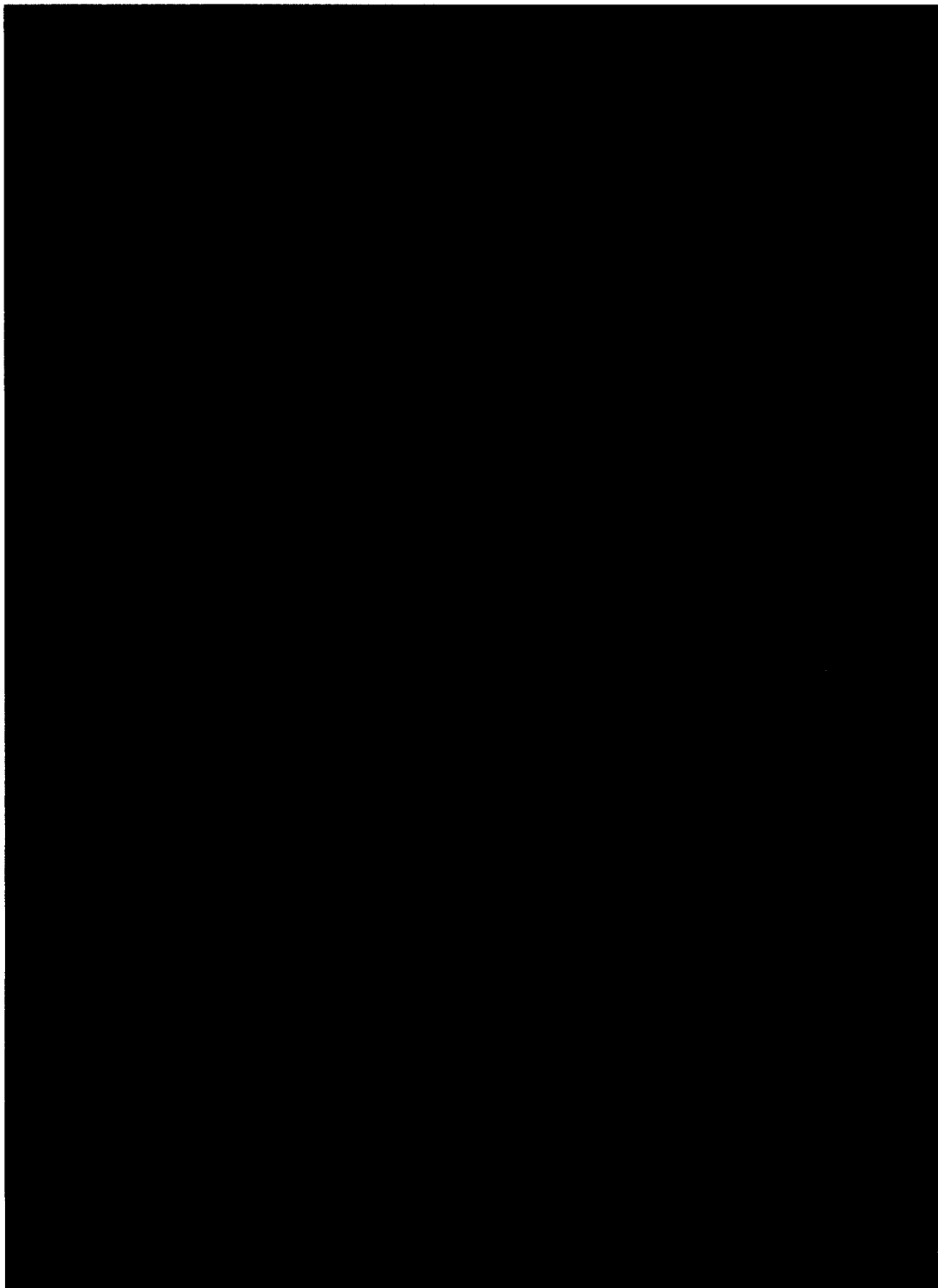


(b)(3)  
(A)  
(i)&Title  
10 Sec  
130 (a)  
(b)

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

002144

Change Build Allocation according to table below.



(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)

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

002145

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

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

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

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

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002147

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

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

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

002148

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

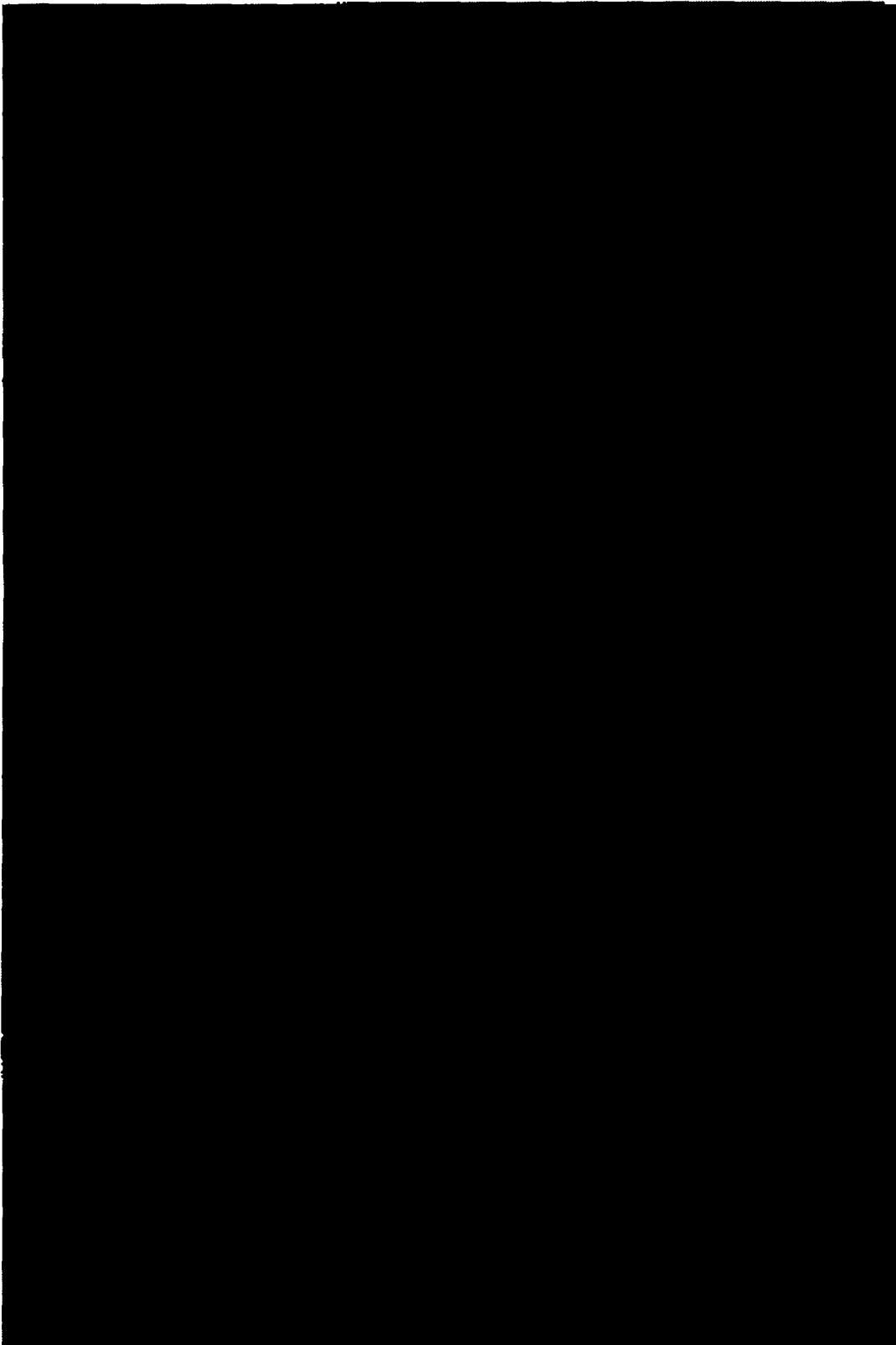


(b)(3)(A)(i)&Title 10 Sec 130 (a)(b)

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Update MDV according to following table.



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10 Sec 130  
(a)(b)

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

002149

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

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

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

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002150

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

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

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002151

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

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

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002152

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

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

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

Office of Revision (NOR) continued

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

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

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002154

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

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

Office of Revision (NOR) continued

002155

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

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

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Notice of Requirement (NOR) continued

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

002156

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



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

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Notice of Revision (NOR) continued

002157

(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)

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

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(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)

002160

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

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

Notice of Revision (NOR) continued

002161

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

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

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Notice of Revision (NOR) continued

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

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

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002163.

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

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

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

Notice of Revision (NOR) continued

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

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

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

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Sec 130 (a)(b)

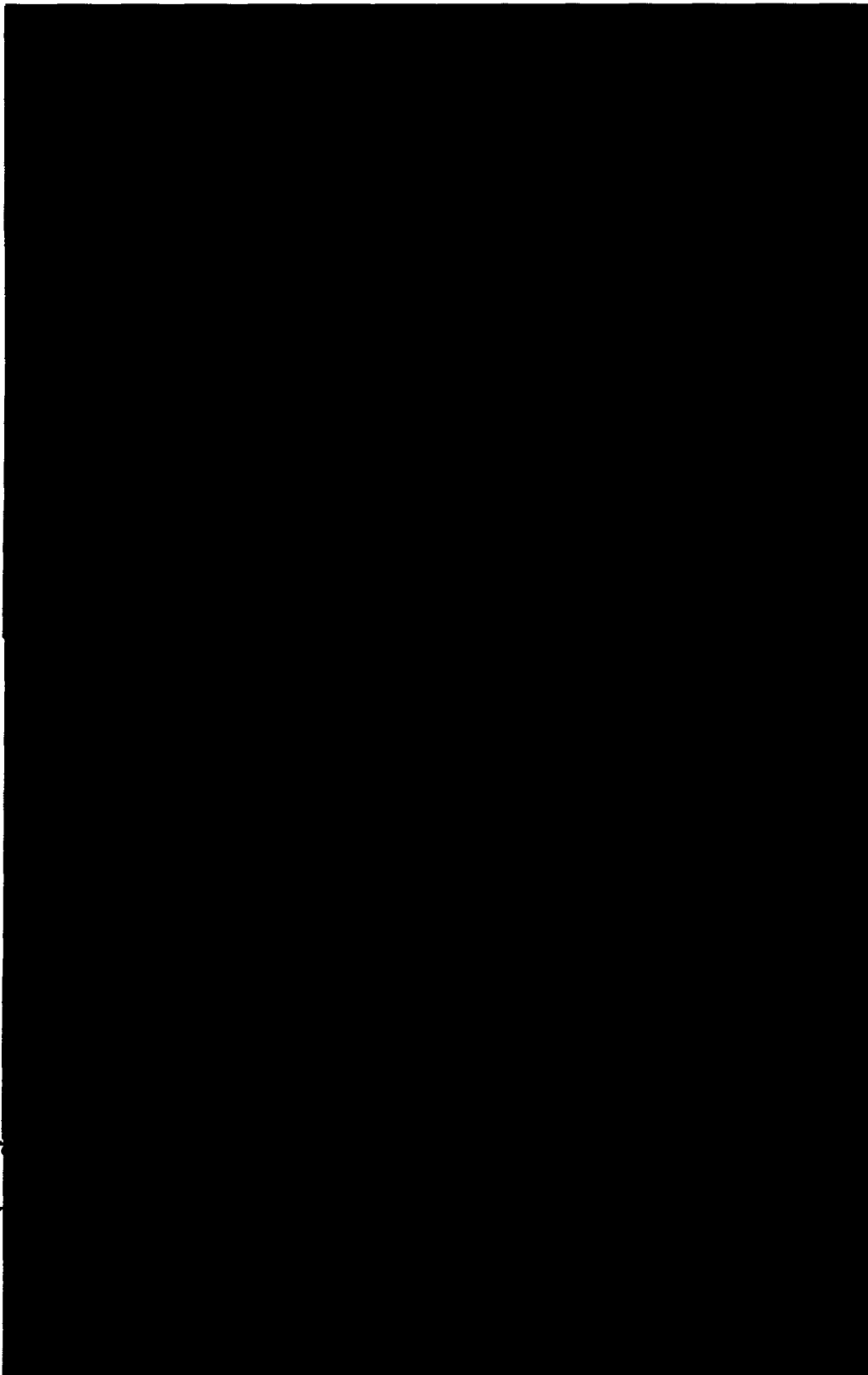
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130 (a)(b)

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(b)(3)(A)  
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130 (a)(b)

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

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

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Notice of Revision (NOR) continued

(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)

002169

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

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Notice of Revision (NOR) continued

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

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

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Notice of Revision (NOR) continued

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

002171

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

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

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



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

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

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

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

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002174

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

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

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Notice of Revision (NOR) continued

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

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# Notice of Revision (NOR) continued

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|  |  |  |
|--|--|--|
| <b>14. THIS SECTION FOR GOVERNMENT USE ONLY</b>                |  |  |
| <b>a. (X ONE)</b>  | <input type="checkbox"/>                 | (1) Existing document supplemented by this NOR   |
|  | <input type="checkbox"/>                 | (2) Revised document must be received before manufacturer may incorporate this change.   |
|  | <input type="checkbox"/>                 | (3) Custodian of master document shall make above revision and furnish revised document. |
| <b>b. ACTIVITY AUTHORIZED TO APPROVE CHANGE FOR GOVERNMENT</b> |  | <b>c. TYPED NAME (First, Middle Initial, Last)</b>                                       |
| <b>d. TITLE</b>  | <b>e. SIGNATURE</b>                      | <b>f. DATE SIGNED (YYMMDD)</b>   |
| <b>15. a. ACTIVITY ACCOMPLISHING REVISION</b>                  | <b>b. REVISION COMPLETED (Signature)</b> | <b>c. DATE SIGNED (YYMMDD)</b>   |

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Previous editions are obsolete

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**Notice of Revision (NOR) continued**

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|   |                         |
|---|-------------------------|
| Title of Document<br>JLENS COMMUNICATION AND PROCESSING GROUP (CPG) PRIME ITEM DEVELOPMENT SPECIFICATION (PIDS) | NOR No.<br>3            |
|   | Document No.<br>H377786 |

002/79

| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT  |  |                                  |  | I. CONTRACT ID CODE<br>V   |  | PAGE OF PAGES<br>1   8        |  |
|---|--|----------------------------------|--|--|--|-------------------------------|--|
| 1. AMENDMENT/MODIFICATION NO<br>0230  |  | 3. EFFECTIVE DATE<br>04-Apr-2011 |  | 4. REQUISITION/PURCHASE REQ NO   |  | 5. PROJECT NO (If applicable) |  |
| ISSUED BY<br>USASMD/ABSTRAT<br>FO BOX 1500<br>HUNTSVILLE AL 35807-3801  |  | CODE<br>W9113M                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |  | CODE<br>S2205A                |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST<br>ANDOVER MA 01810-4400   |  |                                  |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |                               |  |
|   |  |                                  |  | 9B. DATED (SEE ITEM 11)  |  |                               |  |
|   |  |                                  |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001  |  |                               |  |
|   |  |                                  |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998  |  |                               |  |
| CODE 05716  |  | FACILITY CODE                    |  |  |  |                               |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |                                  |  |  |  |                               |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br>See Schedule   |  |                                  |  |  |  |                               |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br>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)<br>UNILATERAL: FAR 52.232-22, "Limitation of Funds"   |  |                                  |  |  |  |                               |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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.)<br>Modification Control Number [REDACTED]<br>To increase incremental funding for SubCLIN 0017AA in the amount of \$139,375.23.  |  |                                  |  |  |  |                               |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |                               |  |
| [REDACTED]  |  |                                  |  | [REDACTED]   |  |                               |  |
| 15B. CONTRACTOR/OFFEROR   |  | 15C. DATE SIGNED                 |  | 16B. UNITED STATES OF AMERICA  |  | 16C. DATE SIGNED              |  |
| (Signature of person authorized to sign)  |  |                                  |  | BY [REDACTED]  |  | 04-Apr-2011                   |  |
|   |  |                                  |  | (Signature of Contracting Officer)   |  |                               |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002180

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



SECTION SF 30 BLOCK 14 CONTINUATION PAGE

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 \$139,375.23 from \$1,666,362,384.55 to \$1,666,501,759.78.

SUBCLIN 0017AA:

LY: 21 0 2040 5L 5L68 P172419E555L 255Y 4M0J730000 S01021 4M0J730000/04MJLE/4M5 was increased by \$139,375.23 from \$263,836,837.74 to \$263,976,212.97

Target Cost, Target Fee, and Total for the above increase of \$139,375.23 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and \$ [REDACTED] facilities capital cost of money) and an increase in target incentive fee of \$ [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$139,375.23 |

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 :

|  | <u>PRIOR</u>        | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |        |
|--|---------------------|--------------------------|--------------------------|--------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,576,087,940     | \$ 0                     | \$ 1,576,087,940         |        |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]          | [REDACTED]               | [REDACTED]               | (b)(4) |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]          | [REDACTED]               | [REDACTED]               | (b)(4) |
| (4) Total Amount Allotted and Obligated:                       | \$ 1,441,022,031.74 | \$139,375.23             | \$ 1,441,161,406.97      |        |
| (5) Net Amount Required for Full Funding                       | \$ 135,065,908.26   | ( \$139,375.23)          | \$ 134,926,533.03        |        |

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

2. The following is an update to Modification P00228 showing a summary of funding by ACRN through Modification P00230:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |

002181

|    |                |
|----|----------------|
| AC | 17,832,987.00  |
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,898,834.79   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |

002182

|    |                  |
|----|------------------|
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$263,976,212.97 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$194,771,952.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00228 showing a summary of funding by CLIN by ACRN through Modification P00230:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |

002183

|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AD | 0.00                 |
| CLIN 0003   | AE | 7,500,000.00         |
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |

002184

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0013   | AU | 7,970,000.00     |                         |
| CLIN 0013   | AX | 3,396,000.00     |                         |
| CLIN 0013   | AY | 0.00             |                         |
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,898,834.79     |                         |
|             |    |                  | <u>38,676,834.79</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$263,976,212.97 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$194,771,952.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,441,161,406.97</u> |

002185

|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AB | KL | 118,250.00   |                   |
|             |    |              | <u>118,250.00</u> |
| CLIN 0017AC | BZ | 190,000.00   |                   |
|             |    |              | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |

002186

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LG | 62,000.00    |                     |
| CLIN 0024 | KZ | 25,000.00    |                     |
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002187

|   |  |   |  |  |                               |
|---|--|---|--|--|-------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |   |  | I. CONTRACT ID CODE<br><b>V</b>                              | PAGE OF PAGES<br><b>1   9</b> |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00231</b>  |  | 3. EFFECTIVE DATE<br><b>26 MAY 11</b>   |  | 4. REQUISITION/PURCHASE REQ. NO.                             |                               |
| ISSUED BY<br><b>UBASMDG/ARSTRAT</b><br><b>PO BOX 1800</b><br><b>HUNTSVILLE AL 35897-2801</b>  |  | CODE<br><b>W0113M</b>   |  | 5. PROJECT NO. (if applicable)<br><b>S2206A</b>              |                               |
|   |  | 7. ADMINISTERED BY (If other than item 6)<br><b>DCMA RAYTHEON</b><br><b>80 APPLE HILL DRIVE</b><br><b>NAS 129P2</b><br><b>TEMPERBURY MA 01878</b> |  |  |                               |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br><b>RAYTHEON COMPANY</b><br><b>380 LOWELL ST.</b><br><b>ANDOVER MA 01810-4400</b>   |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.                            |                               |
|   |  |   |  | 9B. DATED (SEE ITEM 11)                                      |                               |
|   |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-88-C-0001</b> |                               |
|   |  |   |  | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>             |                               |
| CODE <b>05716</b>   |  | FACILITY CODE   |  |  |                               |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |  |   |  |  |                               |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |   |  |  |                               |
| <b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS.</b><br><b>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>  |  |   |  |  |                               |
| 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).   |  |   |  |  |                               |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>FAR 43.103(a)(3), Mutual Agreement and FAR 62.232-22, "Limitation of Funds"   |  |   |  |  |                               |
| D. OTHER (Specify type of modification and authority)   |  |   |  |  |                               |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is 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.)<br>Modification Control Number: <b>[REDACTED]</b><br>To revise Section F, Milestone Events and Performance Period; to decrease incremental funding for CLIN 0013 in the amount of \$2,161.45; and to increase incremental funding for CLIN 0017AA in the amount of \$26,880,287.29, including a transfer of funding in the amount of <b>[REDACTED]</b> from target fee to target cost.  |  |   |  |  |                               |
| Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  |  |   |  |  |                               |
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br><b>[REDACTED]</b>  |  |   | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b)(6) (b)(6)                 |  |                               |
| 15B. CONTRACTOR OFFICER<br><b>[REDACTED]</b><br>(Signature of person authorized to sign)  |  |   | 16B. UNITED STATES OF AMERICA<br><b>[REDACTED]</b><br>(Signature of Contracting Officer) |  |                               |
| 15C. DATE SIGNED<br><b>26 MAY 2011</b>  |  |   | 16C. DATE SIGNED<br><b>26 May 11</b>   |  |                               |

SECTION TO SF 30  
 APPROVED BY OIRM 11-84

30-105-04  
**002188**

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



SECTION SF 30 BLOCK 14 CONTINUATION PAGE

**SUMMARY OF CHANGES**

1. SECTION F – DELIVERIES OR PERFORMANCE, paragraph F-5, Milestone Events and Performance Period, is revised as follows:

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

| <u>MILESTONE EVENT</u>                                       | <u>TIME PERIOD</u>  |
|--|---------------------|
| <u>CLIN 0017</u>   |                     |
| Orbit SRR  | First Quarter FY07  |
| Orbit SFRR   | First Quarter FY07  |
| Orbit SFR  | Second Quarter FY07 |
| Platform PDRR  | Second Quarter FY07 |
| FCR PDRR/CDRR  | Third Quarter FY07  |
| SuR PDRR   | First Quarter FY08  |
| Processing Station & CP PDRR                                 | First Quarter FY08  |
| Platform CDRR  | Second Quarter FY08 |
| Orbit PDR  | Second Quarter FY08 |
| SuR CDRR   | Fourth Quarter FY08 |
| Processing Station & CP CDRR                                 | Fourth Quarter FY08 |
| Orbit CDR  | Second Quarter FY09 |
| System Capability Review #1                                  | First Quarter FY11  |
| Fire Control System FVT2 TRR                                 | First Quarter FY11  |
| SuR System FVT2 TRR  | First Quarter FY11  |
| Production Readiness Review                                  | First Quarter FY11  |
| Orbit #1 Developmental Test #1 Complete (Primary Missions)   | Third Quarter FY11  |
| System Capability Review #2                                  | Third Quarter FY11  |
| DT-1 Test Report   | Third Quarter FY11  |
| Orbit #1 Developmental Test #2 Complete (Secondary Missions) | Fourth Quarter FY11 |
| DT-2 Test Report   | First Quarter FY12  |

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|                             |                     |
|-----------------------------|---------------------|
| Limited User Test (LUT) TRR | First Quarter FY12  |
| LUT Completion              | First Quarter FY12  |
| System Capability Review #3 | Second Quarter FY12 |
| Logistics Demo #1           | Fourth Quarter FY12 |
| Orbit #1 DD 250             | Fourth Quarter FY12 |
| Logistics Demo #2           | Fourth Quarter FY12 |
| Orbit #2 DD250              | Fourth Quarter FY13 |

## 2. 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 \$26,878,125.84 from \$1,666,501,759.78 to \$1,693,379,885.62.

## CLIN 0013:

BJ: 215 2040 5Q 5Q17 P172419E55 255Y ER5D730100 S01021 ER5D730100/54KJLE/4K0000 was decreased by \$2,161.45 from \$7,898,834.79 to \$7,896,673.34

## SUBCLIN 0017AA:

LY: 21 0 2040 5L 5L68 P172419E555L 255Y 4M0J730000 S01021 4M0J730000/04MJLE/4M5 was increased by \$159,720.29 from \$263,976,212.97 to \$264,135,933.26

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$26,720,567.00 from \$194,771,952.00 to \$221,492,519.00

Target Cost, Target Fee, and Total for the above increase of \$26,880,287.29 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and a decrease in target fee of [REDACTED]

(b)(4)(b)(6)  
(b)(4)(b)(6)

|             |                 |
|-------------|-----------------|
| Target Cost | [REDACTED]      |
| Target Fee  | [REDACTED]      |
| Total       | \$26,880,287.29 |

(b)(4)  
(b)(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 :

|  | <u>PRIOR</u>    | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|-----------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee: | \$1,576,087,940 | \$ 0                     | \$ 1,576,087,940         |
| (2) Amount Allotted Under the LOF Clause             |                 |                          |                          |

002190

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

\$ 1,441,161,406.97    \$26,880,287.29    \$ 1,468,041,694.26  
\$ 134,926,533.03    (26,880,287.29)    \$ 108,046,245.74

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

3. The following is an update to Modification P00230 showing a summary of funding by ACRN through Modification P00231:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |
| AP          | 20,779,000.00  |
| AQ          | 105,000.00     |
| AR          | 35,000.00      |
| AS          | 0.00           |
| AT          | 6,984,678.52   |
| AU          | 7,970,000.00   |
| AV          | 0.00           |
| AW          | 100,000.00     |
| AX          | 3,396,000.00   |
| AY          | 550,000.00     |
| AZ          | 19,412,000.00  |
| BA          | 24,527,878.00  |
| BB          | 146,000.00     |
| BC          | 72,000.00      |
| BD          | 85,000.00      |
| BE          | 100,000.00     |
| BF          | 100,000.00     |
| BG          | 1,975,321.00   |
| BH          | 38,018,908.00  |
| BJ          | 7,896,673.34   |
| BK          | 260,000.00     |
| BL          | 0.00           |

002191

|    |                  |
|----|------------------|
| BM | 125,000.00       |
| BN | 103,000.00       |
| BP | 10,199,288.50    |
| BU | 350,000.00       |
| BV | 9,000.00         |
| BW | 84,896,852.00    |
| BX | 1,146,000.00     |
| BY | 3,880,000.00     |
| BZ | 190,000.00       |
| KL | 118,250.00       |
| KM | 192,793,000.00   |
| KN | 0.00             |
| KQ | 92,811.00        |
| KR | 0.00             |
| KS | 0.00             |
| KT | 386,377,998.00   |
| KU | 2,203,183.00     |
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$264,135,933.26 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |

002192

|    |                  |
|----|------------------|
| ME | \$0.00           |
| MF | \$221,492,519.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

4. The following is an update to Modification P00230 showing a summary of funding by CLIN by ACRN through Modification P00231:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u>    |
|-------------|-------------|--------------------|----------------------|
| CLIN 0001   | AA          | 440,100.00         |                      |
| CLIN 0001   | AD          | 0.00               |                      |
|             |             |                    | <u>440,100.00</u>    |
| CLIN 0003   | AB          | 2,298,235.00       |                      |
| CLIN 0003   | AC          | 17,832,987.00      |                      |
| CLIN 0003   | AD          | 0.00               |                      |
| CLIN 0003   | AE          | 7,500,000.00       |                      |
| CLIN 0003   | AF          | 3,300,000.00       |                      |
| CLIN 0003   | AG          | 17,192,400.00      |                      |
| CLIN 0003   | AH          | 700,000.00         |                      |
| CLIN 0003   | AM          | 17,045,000.00      |                      |
| CLIN 0003   | AN          | 5,800.00           |                      |
| CLIN 0003   | AP          | 20,779,000.00      |                      |
| CLIN 0003   | AS          | 0.00               |                      |
| CLIN 0003   | AT          | 6,984,678.52       |                      |
| CLIN 0003   | AW          | 100,000.00         |                      |
| CLIN 0003   | AY          | 550,000.00         |                      |
|             |             |                    | <u>94,288,100.52</u> |
| CLIN 0005   | BA          | 24,527,878.00      |                      |
| CLIN 0005   | BB          | 146,000.00         |                      |
| CLIN 0005   | BC          | 72,000.00          |                      |
| CLIN 0005   | BD          | 85,000.00          |                      |
| CLIN 0005   | BE          | 100,000.00         |                      |
| CLIN 0005   | BF          | 100,000.00         |                      |
| CLIN 0005   | BG          | 1,975,321.00       |                      |
| CLIN 0005   | BH          | 38,018,908.00      |                      |
| CLIN 0005   | BL          | 0.00               |                      |
| CLIN 0005   | BZ          | 0.00               |                      |
|             |             |                    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP          | 10,199,288.50      |                      |
|             |             |                    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ          | 45,106.00          |                      |
| CLIN 0009AA | AV          | 0.00               |                      |

002193

|             |    |                |                      |
|-------------|----|----------------|----------------------|
| CLIN 0009AA | BK | 256,545.00     |                      |
| CLIN 0009AA | BM | 125,000.00     |                      |
| CLIN 0009AA | BN | 21,315.00      |                      |
|             |    |                | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00     |                      |
| CLIN 0009AB | AK | 85,000.00      |                      |
| CLIN 0009AB | AL | 45,000.00      |                      |
| CLIN 0009AB | AQ | 59,894.00      |                      |
| CLIN 0009AB | AR | 35,000.00      |                      |
| CLIN 0009AB | BK | 3,455.00       |                      |
| CLIN 0009AB | BN | 81,685.00      |                      |
| CLIN 0009AB | BU | 350,000.00     |                      |
| CLIN 0009AB | BV | 9,000.00       |                      |
|             |    |                | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00   |                      |
| CLIN 0013   | AX | 3,396,000.00   |                      |
| CLIN 0013   | AY | 0.00           |                      |
| CLIN 0013   | AZ | 19,412,000.00  |                      |
| CLIN 0013   | BJ | 7,896,673.34   |                      |
|             |    |                | <u>38,674,673.34</u> |
| CLIN 0017   | BW | 0.00           |                      |
| CLIN 0017   | KM | 0.00           |                      |
|             |    |                | <u>0.00</u>          |
| CLIN 0017AA | BY | 3,880,000.00   |                      |
| CLIN 0017AA | BX | 1,146,000.00   |                      |
| CLIN 0017AA | BW | 84,896,852.00  |                      |
| CLIN 0017AA | BZ | 0.00           |                      |
| CLIN 0017AA | KM | 192,793,000.00 |                      |
| CLIN 0017AA | KN | 0.00           |                      |
| CLIN 0017AA | KQ | 66,151.00      |                      |
| CLIN 0017AA | KS | 0.00           |                      |
| CLIN 0017AA | KT | 386,204,200.00 |                      |
| CLIN 0017AA | KU | 2,203,183.00   |                      |
| CLIN 0017AA | KY | 0.00           |                      |
| CLIN 0017AA | LC | 200,000.00     |                      |
| CLIN 0017AA | LD | 7,943,648.00   |                      |
| CLIN 0017AA | LE | 0.00           |                      |
| CLIN 0017AA | LH | 400,000.00     |                      |
| CLIN 0017AA | LJ | 7,476.00       |                      |
| CLIN 0017AA | LK | 281,575,897.00 |                      |
| CLIN 0017AA | LQ | 235,566.00     |                      |
| CLIN 0017AA | LS | 6,069,616.00   |                      |
| CLIN 0017AA | LT | 530,377.00     |                      |
| CLIN 0017AA | LU | \$9,100,000.00 |                      |

002194

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$264,135,933.26 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$221,492,519.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,468,041,694.26</u> |
|             |    |                  |                         |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |
| CLIN 0017AD | KN | 0.00             |                         |
| CLIN 0017AD | KS | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AE | LL | 173,798.00       |                         |
|             |    |                  | 173,798.00              |
| CLIN 0017AH | KT | 173,798.00       |                         |
|             |    |                  | <u>173,798.00</u>       |
| CLIN 0020AA | KN | 0.00             |                         |
| CLIN 0020AA | KQ | 26,660.00        |                         |
|             |    |                  | <u>26,660.00</u>        |
| CLIN 0021AA | KW | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0021AB | KV | 0.00             |                         |
| CLIN 0021AB | LB | 0.00             |                         |
| CLIN 0021AB | KX | 0.00             |                         |
| CLIN 0021AB | KY | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |

002195

|             |    |              |                     |
|-------------|----|--------------|---------------------|
| CLIN 0021AC | KZ | 0.00         |                     |
| CLIN 0021AC | LA | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0022   | KW | 0.00         |                     |
|             |    |              | <u>0.00</u>         |
| CLIN 0023   | KX | 60,000.00    |                     |
| CLIN 0023   | KY | 25,000.00    |                     |
| CLIN 0023   | KV | 65,000.00    |                     |
| CLIN 0023   | LB | 12,500.00    |                     |
| CLIN 0023   | LF | 10,000.00    |                     |
| CLIN 0023   | LR | \$125,000.00 |                     |
|             |    |              | <u>297,500.00</u>   |
| CLIN 0024   | LA | 13,508.00    |                     |
| CLIN 0024   | LG | 62,000.00    |                     |
| CLIN 0024   | KZ | 25,000.00    |                     |
| CLIN 0024   | KW | 20,000.00    |                     |
| CLIN 0024   | LP | 83,200.00    |                     |
|             |    |              | <u>203,708.00</u>   |
| CLIN 0025   | LE | 1,173,850.00 |                     |
| CLIN 0025   | LM | 1,080,404.00 |                     |
| CLIN 0025   | MA | 0.00         |                     |
|             |    |              | <u>2,254,254.00</u> |
| CLIN 0026   | LN | 630,061.00   |                     |
|             |    |              | <u>630,061.00</u>   |
| CLIN 0027   | LZ | 1,751,384.00 |                     |
|             |    |              | <u>1,751,384.00</u> |
| CLIN 0028   | LM | 329,972.00   |                     |
| CLIN 0028   | MA | 2,982,442.00 |                     |
| CLIN 0028   | MG | 6,262,095.00 |                     |
|             |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002196



| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT   |  |                                  |  | 1. CONTRACT ID CODE<br>V   |  | PAGE OF PAGES<br>1   8   |  |
|--|--|----------------------------------|--|--|--|--|--|
| 2. AMENDMENT/MODIFICATION NO.<br>J232  |  | 3. EFFECTIVE DATE<br>20-Jun-2011 |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO. (If applicable)   |  |
| ISSUED BY<br>USASMD/ARSTRAT<br>MONTVILLE AL 35807-3901   |  | CODE<br>W9113M                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |  | CODE<br>S2205A   |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400   |  |                                  |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |  |  |
|  |  |                                  |  | 9B. DATED (SEE ITEM 11)  |  |  |  |
|  |  |                                  |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001  |  |  |  |
|  |  |                                  |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998  |  |  |  |
| CODE 05716   |  |                                  |  | FACILITY CODE  |  |  |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS  |  |                                  |  |  |  |  |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>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 each 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)<br><b>See Schedule</b>   |  |                                  |  |  |  |  |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS.<br>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)<br>UNILATERAL: FAR 52.232022, "Limitation of Funds"  |  |                                  |  |  |  |  |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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.)<br>Modification Control Number [REDACTED]<br>To increase incremental funding for SubCLIN 0017AA in the amount of \$40,000,000.   |  |                                  |  |  |  |  |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |  |  |
| [REDACTED]   |  |                                  |  | [REDACTED]   |  |  |  |
| 15B. CONTRACTOR/OFFEROR<br><br>(Signature of person authorized to sign)  |  |                                  |  | 15C. DATE SIGNED   |  | 16B. UNITED STATES OF AMERICA<br>BY [REDACTED]<br>(Signature of Contracting Officer) |  |
|  |  |                                  |  |  |  | 16C. DATE SIGNED<br>20-Jun-2011  |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002197

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

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. 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 \$40,000,000.00 from \$1,693,379,885.62 to \$1,733,379,885.62.

## SUBCLIN 0017AA:

MF: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J730000 S01021 4M1J730000/14MJLE/4M5 was increased by \$40,000,000.00 from \$221,492,519.00 to \$261,492,519.00

Target Cost, Target Fee, and Total for the above increase of \$40,000,000 is distributed as follows and includes an increase in target cost of [REDACTED] of cost an [REDACTED] facilities capital cost of money) and an increase in target fee of [REDACTED]

|             |              |
|-------------|--------------|
| Target Cost | [REDACTED]   |
| Target Fee  | [REDACTED]   |
| Total       | \$40,000,000 |

(b)(4)  
(b)(4)(b)(4)  
(b)(4)

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 :

|   | <u>PRIOR</u>        | <u>THIS<br/>MODIFICATION</u> | <u>CUMULATIVE<br/>TOTAL*</u> |
|---|---------------------|------------------------------|------------------------------|
| (1) Amount Required for Full Funding,<br>Including Fee:           | \$1,576,087,940     | \$ 0                         | \$ 1,576,087,940             |
| (2) Amount Allotted Under the LOF Clause<br>for Payment of Costs: | [REDACTED]          | [REDACTED]                   | [REDACTED]                   |
| (3) Amount Separately Obligated for<br>Payment of Fee:            | [REDACTED]          | [REDACTED]                   | [REDACTED]                   |
| (4) Total Amount Allotted and Obligated:                          | \$ 1,468,041,694.26 | \$40,000,000                 | \$ 1,508,041,694.26          |
| (5) Net Amount Required for Full Funding                          | \$ 108,046,245.74   | (\$40,000,000)               | \$ 68,046,245.74             |

(b)(4)

(b)(4)

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

2. The following is an update to Modification P00231 showing a summary of funding by ACRN through Modification P00232:

ACRN      FUNDING

|    |              |
|----|--------------|
| AA | 440,100.00   |
| AB | 2,298,235.00 |

002198

|    |                |
|----|----------------|
| AC | 17,832,987.00  |
| AD | 0.00           |
| AE | 7,500,000.00   |
| AF | 3,300,000.00   |
| AG | 17,192,400.00  |
| AH | 700,000.00     |
| AJ | 200,000.00     |
| AK | 85,000.00      |
| AL | 45,000.00      |
| AM | 17,045,000.00  |
| AN | 5,800.00       |
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,896,673.34   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |

002199

|    |                  |
|----|------------------|
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$264,135,933.26 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$261,492,519.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |

3. The following is an update to Modification P00231 showing a summary of funding by CLIN by ACRN through Modification P00232:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |

002200

|             |    |                      |
|-------------|----|----------------------|
| CLIN 0003   | AD | 0.00                 |
| CLIN 0003   | AE | 7,500,000.00         |
| CLIN 0003   | AF | 3,300,000.00         |
| CLIN 0003   | AG | 17,192,400.00        |
| CLIN 0003   | AH | 700,000.00           |
| CLIN 0003   | AM | 17,045,000.00        |
| CLIN 0003   | AN | 5,800.00             |
| CLIN 0003   | AP | 20,779,000.00        |
| CLIN 0003   | AS | 0.00                 |
| CLIN 0003   | AT | 6,984,678.52         |
| CLIN 0003   | AW | 100,000.00           |
| CLIN 0003   | AY | 550,000.00           |
|             |    | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00        |
| CLIN 0005   | BB | 146,000.00           |
| CLIN 0005   | BC | 72,000.00            |
| CLIN 0005   | BD | 85,000.00            |
| CLIN 0005   | BE | 100,000.00           |
| CLIN 0005   | BF | 100,000.00           |
| CLIN 0005   | BG | 1,975,321.00         |
| CLIN 0005   | BH | 38,018,908.00        |
| CLIN 0005   | BL | 0.00                 |
| CLIN 0005   | BZ | 0.00                 |
|             |    | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50        |
|             |    | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00            |
| CLIN 0009AA | AV | 0.00                 |
| CLIN 0009AA | BK | 256,545.00           |
| CLIN 0009AA | BM | 125,000.00           |
| CLIN 0009AA | BN | 21,315.00            |
|             |    | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00           |
| CLIN 0009AB | AK | 85,000.00            |
| CLIN 0009AB | AL | 45,000.00            |
| CLIN 0009AB | AQ | 59,894.00            |
| CLIN 0009AB | AR | 35,000.00            |
| CLIN 0009AB | BK | 3,455.00             |
| CLIN 0009AB | BN | 81,685.00            |
| CLIN 0009AB | BU | 350,000.00           |
| CLIN 0009AB | BV | 9,000.00             |
|             |    | <u>869,034.00</u>    |

002201

|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0013   | AU | 7,970,000.00     |                         |
| CLIN 0013   | AX | 3,396,000.00     |                         |
| CLIN 0013   | AY | 0.00             |                         |
| CLIN 0013   | AZ | 19,412,000.00    |                         |
| CLIN 0013   | BJ | 7,896,673.34     |                         |
|             |    |                  | <u>38,674,673.34</u>    |
| CLIN 0017   | BW | 0.00             |                         |
| CLIN 0017   | KM | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$264,135,933.26 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$261,492,519.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
|             |    |                  | <u>1,508,041,694.26</u> |

002202

|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AB | KL | 118,250.00   | <u>118,250.00</u> |
| CLIN 0017AC | BZ | 190,000.00   | <u>190,000.00</u> |
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |

002203

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0024 | LG | 62,000.00    |                     |
| CLIN 0024 | KZ | 25,000.00    |                     |
| CLIN 0024 | KW | 20,000.00    |                     |
| CLIN 0024 | LP | 83,200.00    |                     |
|           |    |              | <u>203,708.00</u>   |
| CLIN 0025 | LE | 1,173,850.00 |                     |
| CLIN 0025 | LM | 1,080,404.00 |                     |
| CLIN 0025 | MA | 0.00         |                     |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

(End of Summary of Changes)

002204



|  |                                       |  |                          |                                |
|--|---------------------------------------|--|--------------------------|--------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>                |                                       |  | I. CONTRACT ID CODE<br>V | PAGE OF PAGES<br>1   11        |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00233</b>                           | 3. EFFECTIVE DATE<br><b>27 Jun 11</b> | 4. REQUISITION/PURCHASE REQ. NO.   |                          | 5. PROJECT NO. (if applicable) |
| 6. ISSUED BY<br>USASND/CDSTRAT<br>[REDACTED]<br>HUNTSVILLE AL 35897-3801 | CODE<br>W9113M                        | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |                          | CODE<br>S2205A                 |

|  |   |
|--|---|
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400 | 9A. AMENDMENT OF SOLICITATION NO.                     |
|  | 9B. DATED (SEE ITEM 11)                               |
|  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001 |
|  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998             |
| 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 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. If by virtue of this amendment you desire 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.

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).

X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  
FAR 52.232-22, "Limitation of Funds" and Mutual Agreement

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 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] (b)(3)(A)

To increase and fund SubCLIN 0017AA in the amount of \$914,571 as settlement of the proposal submitted by the contractor in response to a Government request to replace [REDACTED] hardware with [REDACTED] hardware in the two (2) Orbits to be delivered under SubCLIN 0017AA and the Raytheon Systems Integration Lab (SIL). In addition, the contractor will provide [REDACTED] hardware that is required to replace the [REDACTED] hardware that is located in the JLENS Product Office (JPO) SILs. (i)&Title 10 Sec 130 (a)(b)

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

|  |   |
|--|---|
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br>[REDACTED]            | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br>[REDACTED] (b)(6) |
| 15B. [REDACTED]<br>[REDACTED] (Signature of person authorized to sign) | 15C. DATE SIGNED<br>15 JUN 2011   |
|  | 16C. DATE SIGNED<br>27 Jun 11<br>(Signature of Contracting Officer)             |

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$914,571.00 from \$1,813,876,387.00 to \$1,814,790,958.00.

750

## 2. SECTION B - SUPPLIES OR SERVICES AND PRICES

## SUBCLIN 0017AA

The target cost has increased by [REDACTED] from [REDACTED] to [REDACTED]

The target profit/fee has increased by [REDACTED] from [REDACTED] to [REDACTED]

The total cost of this line item has increased by \$914,571.00 from [REDACTED] to \$1,577,002,511.00.

This includes an increase in target cost of [REDACTED] consisting of a [REDACTED] increase in cost and a [REDACTED] increase in facilities capital cost of money, and an increase in target fee of [REDACTED] which [REDACTED] of target cost less facilities capital cost of money.

## 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 [REDACTED]

Target Fee [REDACTED]

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:

(e) Fee Payable.

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

002206

- a. Target cost: [REDACTED]
- b. Target fee: [REDACTED]
- c. Minimum incentive fee: [REDACTED]
- d. Maximum incentive fee: [REDACTED]
- e. Total target cost and target fee: **\$1,577,002,511**

(b)(4)  
(b)(4)(b)(4)  
(b)(4)

## 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 \$914,571.00 from \$1,733,379,885.62 to \$1,734,294,456.62.

## SUBCLIN 0017AA:

MJ: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J741000 S01021 4M1J741000/14MJLE/4M5 was increased by \$858,495.00 from \$0.00 to \$858,495.00

The contract ACRN MJ has been added.

MK: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J741100 S01021 4M1J741100/14MJLE/4M5 was increased by \$56,076.00 from \$0.00 to \$56,076.00

The contract ACRN MK has been added.

Target Cost, Target Fee, and Total for the above increase of \$914,571 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

|             |                  |
|-------------|------------------|
| Target Cost | [REDACTED]       |
| Target Fee  | [REDACTED]       |
| Total       | <b>\$914,571</b> |

(b)(4)  
(b)(4)

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 :

|  | <u>PRIOR</u>              | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u>  |
|--|---------------------------|--------------------------|---------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | <b>\$1,576,087,940</b>    | <b>\$914,571</b>         | <b>\$ 1,577,002,511</b>   |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]                | [REDACTED]               | [REDACTED]                |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]                | [REDACTED]               | [REDACTED]                |
| (4) Total Amount Allotted and Obligated:                       | <b>\$1,508,041,694.26</b> | <b>\$914,571</b>         | <b>\$1,508,956,265.26</b> |
| (5) Net Amount Required for Full Funding                       | <b>\$ 68,046,245.74</b>   | <b>\$ 0</b>              | <b>\$ 68,046,245.74</b>   |

(b)(4)  
(b)(4)(b)(4)  
(b)(4)

\* These figures take into consideration the negotiated total value of SubCLIN 0017AA (This does not include

002207

## SubCLIN 17AH)

## 4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

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 \$1,577,002,511 includes a target cost of [REDACTED] (which includes [REDACTED] of cost and \$12 [REDACTED] facilities capital cost of money) and a target incentive fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

## b. Cost Incentive.

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

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

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

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

(b)(4)  
(b)(4)

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

## c. Schedule and Performance Incentive.

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

(b)(4)  
(b)(4)

(a) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED]

(b)(4)  
(b)(4)  
(b)(4)  
(b)(6)

[REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(6)  
(b)(4)  
(b)(4)  
(b)(6)

(b)(6)

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(2) An additional performance incentive fee pool of [REDACTED] (maximum) is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(a) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-2.

(c) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-3.

(d) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by LUT.

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

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

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.

5. The following is an update to Modification P00231 showing a summary of funding by ACRN through Modification P00232:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |

002209

|    |                |
|----|----------------|
| AP | 20,779,000.00  |
| AQ | 105,000.00     |
| AR | 35,000.00      |
| AS | 0.00           |
| AT | 6,984,678.52   |
| AU | 7,970,000.00   |
| AV | 0.00           |
| AW | 100,000.00     |
| AX | 3,396,000.00   |
| AY | 550,000.00     |
| AZ | 19,412,000.00  |
| BA | 24,527,878.00  |
| BB | 146,000.00     |
| BC | 72,000.00      |
| BD | 85,000.00      |
| BE | 100,000.00     |
| BF | 100,000.00     |
| BG | 1,975,321.00   |
| BH | 38,018,908.00  |
| BJ | 7,896,673.34   |
| BK | 260,000.00     |
| BL | 0.00           |
| BM | 125,000.00     |
| BN | 103,000.00     |
| BP | 10,199,288.50  |
| BU | 350,000.00     |
| BV | 9,000.00       |
| BW | 84,896,852.00  |
| BX | 1,146,000.00   |
| BY | 3,880,000.00   |
| BZ | 190,000.00     |
| KL | 118,250.00     |
| KM | 192,793,000.00 |
| KN | 0.00           |
| KQ | 92,811.00      |
| KR | 0.00           |
| KS | 0.00           |
| KT | 386,377,998.00 |
| KU | 2,203,183.00   |
| KV | 65,000.00      |
| KW | 20,000.00      |
| KX | 60,000.00      |
| KY | 25,000.00      |
| KZ | 25,000.00      |
| LA | 13,508.00      |
| LB | 12,500.00      |
| LC | 200,000.00     |
| LD | 7,943,648.00   |
| LE | 1,173,850.00   |
| LF | 10,000.00      |

002210

|    |                  |
|----|------------------|
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$264,135,933.26 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$261,492,519.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |
| MJ | \$858,495.00     |
| MK | \$56,076.00      |

6. The following is an update to Modification P00231 showing a summary of funding by CLIN by ACRN through Modification P00232:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u> |
|-------------|-------------|--------------------|-------------------|
| CLIN 0001   | AA          | 440,100.00         |                   |
| CLIN 0001   | AD          | 0.00               |                   |
|             |             |                    | <u>440,100.00</u> |
| CLIN 0003   | AB          | 2,298,235.00       |                   |
| CLIN 0003   | AC          | 17,832,987.00      |                   |
| CLIN 0003   | AD          | 0.00               |                   |
| CLIN 0003   | AE          | 7,500,000.00       |                   |
| CLIN 0003   | AF          | 3,300,000.00       |                   |
| CLIN 0003   | AG          | 17,192,400.00      |                   |
| CLIN 0003   | AH          | 700,000.00         |                   |
| CLIN 0003   | AM          | 17,045,000.00      |                   |
| CLIN 0003   | AN          | 5,800.00           |                   |
| CLIN 0003   | AP          | 20,779,000.00      |                   |
| CLIN 0003   | AS          | 0.00               |                   |
| CLIN 0003   | AT          | 6,984,678.52       |                   |

002211

|             |    |               |                      |
|-------------|----|---------------|----------------------|
| CLIN 0003   | AW | 100,000.00    |                      |
| CLIN 0003   | AY | 550,000.00    |                      |
|             |    |               | <u>94,288,100.52</u> |
| CLIN 0005   | BA | 24,527,878.00 |                      |
| CLIN 0005   | BB | 146,000.00    |                      |
| CLIN 0005   | BC | 72,000.00     |                      |
| CLIN 0005   | BD | 85,000.00     |                      |
| CLIN 0005   | BE | 100,000.00    |                      |
| CLIN 0005   | BF | 100,000.00    |                      |
| CLIN 0005   | BG | 1,975,321.00  |                      |
| CLIN 0005   | BH | 38,018,908.00 |                      |
| CLIN 0005   | BL | 0.00          |                      |
| CLIN 0005   | BZ | 0.00          |                      |
|             |    |               | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50 |                      |
|             |    |               | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00     |                      |
| CLIN 0009AA | AV | 0.00          |                      |
| CLIN 0009AA | BK | 256,545.00    |                      |
| CLIN 0009AA | BM | 125,000.00    |                      |
| CLIN 0009AA | BN | 21,315.00     |                      |
|             |    |               | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00    |                      |
| CLIN 0009AB | AK | 85,000.00     |                      |
| CLIN 0009AB | AL | 45,000.00     |                      |
| CLIN 0009AB | AQ | 59,894.00     |                      |
| CLIN 0009AB | AR | 35,000.00     |                      |
| CLIN 0009AB | BK | 3,455.00      |                      |
| CLIN 0009AB | BN | 81,685.00     |                      |
| CLIN 0009AB | BU | 350,000.00    |                      |
| CLIN 0009AB | BV | 9,000.00      |                      |
|             |    |               | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00  |                      |
| CLIN 0013   | AX | 3,396,000.00  |                      |
| CLIN 0013   | AY | 0.00          |                      |
| CLIN 0013   | AZ | 19,412,000.00 |                      |
| CLIN 0013   | BJ | 7,896,673.34  |                      |
|             |    |               | <u>38,674,673.34</u> |
| CLIN 0017   | BW | 0.00          |                      |
| CLIN 0017   | KM | 0.00          |                      |

002212



|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
|             |    |                  | <u>0.00</u>             |
| CLIN 0017AA | BY | 3,880,000.00     |                         |
| CLIN 0017AA | BX | 1,146,000.00     |                         |
| CLIN 0017AA | BW | 84,896,852.00    |                         |
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$264,135,933.26 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$261,492,519.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
| CLIN 0017AA | MJ | \$858,495.00     |                         |
| CLIN 0017AA | MK | \$56,076.00      |                         |
|             |    |                  | <u>1,508,956,265.26</u> |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |

002213

|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AD | KN | 0.00         |                   |
| CLIN 0017AD | KS | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0017AE | LL | 173,798.00   |                   |
|             |    |              | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   |                   |
|             |    |              | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    |                   |
|             |    |              | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         |                   |
|             |    |              | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 |                   |
|             |    |              | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |
| CLIN 0024   | KW | 20,000.00    |                   |
| CLIN 0024   | LP | 83,200.00    |                   |
|             |    |              | <u>203,708.00</u> |
| CLIN 0025   | LE | 1,173,850.00 |                   |

002214

|           |    |              |                     |
|-----------|----|--------------|---------------------|
| CLIN 0025 | LM | 1,080,404.00 | _____               |
| CLIN 0025 | MA | 0.00         | _____               |
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   | _____               |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 | _____               |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   | _____               |
| CLIN 0028 | MA | 2,982,442.00 | _____               |
| CLIN 0028 | MG | 6,262,095.00 | _____               |
|           |    |              | <u>9,574,509.00</u> |

7. In consideration of the modification agreed to herein as complete equitable adjustment for the [REDACTED] Hardware Modification [REDACTED] proposal submitted via Raytheon letter JLENS-23414-10-140, dated 29 October 2010, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.

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

(End of Summary of Changes)

002215

|   |  |  |   |   |                                       |
|---|--|--|---|---|---------------------------------------|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |  |  |   | 1. CONTRACT ID CODE<br><b>V</b>                       | PAGE OF PAGES<br><b>1</b>   <b>11</b> |
| 2. AMENDMENT/MODIFICATION NO.<br><b>P00234</b>  |  | 3. EFFECTIVE DATE<br><b>30 Jun 11</b>  |   | 4. REQUISITION/PURCHASE REQ. NO.                      |                                       |
| 6. ISSUED BY<br>USASMD/ARSTRAT<br>SMD/PCD<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801  |  | CODE<br><b>W9113M</b>                  |   | 5. PROJECT NO. (If applicable)<br><b>S2205A</b>       |                                       |
| 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>MST2FR2<br>TEWKSBURY MA 01876  |  |  |   | CODE  |                                       |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400  |  |  |   | 9A. AMENDMENT OF SOLICITATION NO.                     |                                       |
|   |  |  |   | 9B. DATED (SEE ITEM 11)                               |                                       |
|   |  |  |   | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001 |                                       |
|   |  |  |   | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998             |                                       |
| CODE <b>05716</b>   |  | FACILITY CODE                          |   |   |                                       |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |  |   |   |                                       |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)<br><b>See Schedule</b>  |  |  |   |   |                                       |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS<br>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<br>CONTRACT ORDER NO. IN ITEM 10A.   |  |  |   |   |                                       |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).  |  |  |   |   |                                       |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>FAR 52.232-22, "Limitation of Funds" and Mutual Agreement   |  |  |   |   |                                       |
| D. OTHER (Specify type of modification and authority)   |  |  |   |   |                                       |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.   |  |  |   |   |                                       |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCP section headings, including solicitation/contract subject matter<br>where feasible.)<br>Modification Control Number: <span style="background-color: black; color: black;">[REDACTED]</span> (b)(6)<br>To increase and fund SubCLIN 0017AA in the amount of \$116,044 as settlement of the proposal submitted by the contractor in response to a<br>Government request to purchase <span style="background-color: black; color: black;">[REDACTED]</span> (b)(3)(A)<br>(i)&Title 10 Sec<br>130 (a)(b)  |  |  |   |   |                                       |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  |  |  |   |   |                                       |
| 15A. NAME AND TITLE OF SPOVER (Type or print)<br><span style="background-color: black; color: black;">[REDACTED]</span>   |  |  | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br><span style="background-color: black; color: black;">[REDACTED]</span> (b)(6) |   |                                       |
| 3. CONTRACTING OFFICER<br><span style="background-color: black; color: black;">[REDACTED]</span>  |  | 15C. DATE SIGNED<br><b>29 JUN 2011</b> |   | 16C. DATE SIGNED<br><b>30 Jun 11</b>                  |                                       |
| (Signature of person authorized to sign)  |  | (Signature of Contracting Officer)     |   |   |                                       |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002216

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

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$116,044.00 from \$1,814,750,958.00 to \$1,814,867,002.00.

## 2. SECTION B - SUPPLIES OR SERVICES AND PRICES

## SUBCLIN 0017AA

The target cost has increased by [REDACTED]

The target profit/fee has increased by [REDACTED] to [REDACTED]

The total cost of this line item has increased by [REDACTED] from \$ [REDACTED] to [REDACTED]

(b)(4)

(b)(4) (b)

(b)(4)

This includes an increase in target cost of [REDACTED] consisting of a [REDACTED] increase in cost and [REDACTED] increase in facilities capital cost of money, and an increase in target fee of [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)

(b)(4) (b)(4)

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 [REDACTED]

Target Fee [REDACTED]

(b)(4)

Incentive Arrangement: Maximum Fee: [REDACTED]

(b)(4)

Minimum Fee: [REDACTED]

(b)(4)

(b)(4)

(Share Ratio: Government/Contractor)

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

(b)(4)

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

(b)(4)

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 [REDACTED] cents for every dollar that the total allowable cost is less than the target cost or decreased by [REDACTED] cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than [REDACTED] percent or less than [REDACTED] percent of the target cost.

(b)(4)

(b)(4)

(b)(4)

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)

002217

a. Target cost: [REDACTED]  
b. Target fee: [REDACTED]  
c. Minimum incentive fee: [REDACTED]  
d. Maximum incentive fee: [REDACTED]  
e. Total target cost and target fee: \$1,577,118,555

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

### 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 \$116,044.00 from \$1,734,294,456.62 to \$1,734,410,500.62.

#### SUBCLIN 0017AA:

ML: 21 1 2040 5L 5L68 P172419E555L 255Y 4M1J741200 S01021 4M1J741200/14MJLE/4M5 was increased by \$116,044.00 from \$0.00 to \$116,044.00  
The contract ACRN ML has been added.

Target Cost, Target Fee, and Total for the above increase of \$116,044 is distributed as follows and includes an increase in target cost of [REDACTED] of cost and [REDACTED] facilities capital cost of money) and an increase in target incentive fee of [REDACTED] which [REDACTED] target cost less facilities capital cost of money.

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

|             |            |
|-------------|------------|
| Target Cost | [REDACTED] |
| Target Fee  | [REDACTED] |
| Total       | \$116,044  |

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 :

|  | <u>PRIOR</u>       | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |        |
|--|--------------------|--------------------------|--------------------------|--------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,577,002,511    | \$116,044                | \$ 1,577,118,555         |        |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]         | [REDACTED]               | [REDACTED]               | (b)(4) |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]         | [REDACTED]               | [REDACTED]               | (b)(4) |
| (4) Total Amount Allotted and Obligated:                       | \$1,508,956,265.26 | \$116,044                | \$1,509,072,309.26       |        |
| (5) Net Amount Required for Full Funding                       | \$ 68,046,245.74   | \$ 0                     | \$ 68,046,245.74         |        |

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

### 4. SECTION H - SPECIAL CONTRACT REQUIREMENTS is changed as follows:

002218

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 \$1,577,118,555 includes a target cost of [REDACTED] (which includes [REDACTED] of cost and [REDACTED] of facilities capital cost of money) and a target incentive fee [REDACTED] which is [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

b. Cost Incentive.

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

(b)(4)  
(b)(4)

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

(b)(4)  
(b)(4)

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

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

(b)(4)  
(b)(4)

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

c. Schedule and Performance Incentive.

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

(b)(4)  
(b)(4)

(a) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED]

(b)(6)

(b) [REDACTED] of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED] Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(4)

(b)(4)  
(b)(6)

(2) An additional performance incentive fee pool of [REDACTED] (maximum) is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(b)(4)

(a) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b)(4)

002219

(b) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-2. (b)(4)

(c) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by SCR-3. (b)(4)

(d) [REDACTED] (maximum) earned based on successful conduct of technical performance defined by LUT. (b)(4)

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

(3) For Earned Value and cost reporting purposes, the target cost value of \$1,447,892,193 will be used.

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.

5. The following is an update to Modification P00233 showing a summary of funding by ACRN through Modification P00234:

| <u>ACRN</u> | <u>FUNDING</u> |
|-------------|----------------|
| AA          | 440,100.00     |
| AB          | 2,298,235.00   |
| AC          | 17,832,987.00  |
| AD          | 0.00           |
| AE          | 7,500,000.00   |
| AF          | 3,300,000.00   |
| AG          | 17,192,400.00  |
| AH          | 700,000.00     |
| AJ          | 200,000.00     |
| AK          | 85,000.00      |
| AL          | 45,000.00      |
| AM          | 17,045,000.00  |
| AN          | 5,800.00       |
| AP          | 20,779,000.00  |
| AQ          | 105,000.00     |
| AR          | 35,000.00      |
| AS          | 0.00           |
| AT          | 6,984,678.52   |
| AU          | 7,970,000.00   |

002220



|    |                  |
|----|------------------|
| AV | 0.00             |
| AW | 100,000.00       |
| AX | 3,396,000.00     |
| AY | 550,000.00       |
| AZ | 19,412,000.00    |
| BA | 24,527,878.00    |
| BB | 146,000.00       |
| BC | 72,000.00        |
| BD | 85,000.00        |
| BE | 100,000.00       |
| BF | 100,000.00       |
| BG | 1,975,321.00     |
| BH | 38,018,908.00    |
| BJ | 7,896,673.34     |
| BK | 260,000.00       |
| BL | 0.00             |
| BM | 125,000.00       |
| BN | 103,000.00       |
| BP | 10,199,288.50    |
| BU | 350,000.00       |
| BV | 9,000.00         |
| BW | 84,896,852.00    |
| BX | 1,146,000.00     |
| BY | 3,880,000.00     |
| BZ | 190,000.00       |
| KL | 118,250.00       |
| KM | 192,793,000.00   |
| KN | 0.00             |
| KQ | 92,811.00        |
| KR | 0.00             |
| KS | 0.00             |
| KT | 386,377,998.00   |
| KU | 2,203,183.00     |
| KV | 65,000.00        |
| KW | 20,000.00        |
| KX | 60,000.00        |
| KY | 25,000.00        |
| KZ | 25,000.00        |
| LA | 13,508.00        |
| LB | 12,500.00        |
| LC | 200,000.00       |
| LD | 7,943,648.00     |
| LE | 1,173,850.00     |
| LF | 10,000.00        |
| LG | 62,000.00        |
| LH | 400,000.00       |
| LJ | 7,476.00         |
| LK | \$281,575,897.00 |
| LL | \$173,798.00     |
| LM | \$1,410,376.00   |

002221

|    |                  |
|----|------------------|
| LN | \$630,061.00     |
| LP | \$83,200.00      |
| LQ | \$235,566.00     |
| LR | \$125,000.00     |
| LS | \$6,069,616.00   |
| LT | \$530,377.00     |
| LU | \$9,100,000.00   |
| LV | \$1,957,265.00   |
| LW | \$255,567.00     |
| LX | \$68,000.00      |
| LY | \$264,135,933.26 |
| LZ | \$1,751,384.00   |
| MA | \$2,982,442.00   |
| MB | \$375,000.00     |
| MC | \$2,283,481.00   |
| MD | \$8,573.00       |
| ME | \$0.00           |
| MF | \$261,492,519.00 |
| MG | \$6,262,095.00   |
| MH | \$213,390.00     |
| MJ | \$858,495.00     |
| MK | \$56,076.00      |
| ML | \$116,044.00     |

6. The following is an update to Modification P00231 showing a summary of funding by CLIN by ACRN through Modification P00232:

| <u>CLIN</u> | <u>ACRN</u> | <u>FUNDING AMT</u> | <u>CLIN TOTAL</u>    |
|-------------|-------------|--------------------|----------------------|
| CLIN 0001   | AA          | 440,100.00         |                      |
| CLIN 0001   | AD          | 0.00               |                      |
|             |             |                    | <u>440,100.00</u>    |
| CLIN 0003   | AB          | 2,298,235.00       |                      |
| CLIN 0003   | AC          | 17,832,987.00      |                      |
| CLIN 0003   | AD          | 0.00               |                      |
| CLIN 0003   | AE          | 7,500,000.00       |                      |
| CLIN 0003   | AF          | 3,300,000.00       |                      |
| CLIN 0003   | AG          | 17,192,400.00      |                      |
| CLIN 0003   | AH          | 700,000.00         |                      |
| CLIN 0003   | AM          | 17,045,000.00      |                      |
| CLIN 0003   | AN          | 5,800.00           |                      |
| CLIN 0003   | AP          | 20,779,000.00      |                      |
| CLIN 0003   | AS          | 0.00               |                      |
| CLIN 0003   | AT          | 6,984,678.52       |                      |
| CLIN 0003   | AW          | 100,000.00         |                      |
| CLIN 0003   | AY          | 550,000.00         |                      |
|             |             |                    | <u>94,288,100.52</u> |

002222

|             |    |               |                      |
|-------------|----|---------------|----------------------|
| CLIN 0005   | BA | 24,527,878.00 |                      |
| CLIN 0005   | BB | 146,000.00    |                      |
| CLIN 0005   | BC | 72,000.00     |                      |
| CLIN 0005   | BD | 85,000.00     |                      |
| CLIN 0005   | BE | 100,000.00    |                      |
| CLIN 0005   | BF | 100,000.00    |                      |
| CLIN 0005   | BG | 1,975,321.00  |                      |
| CLIN 0005   | BH | 38,018,908.00 |                      |
| CLIN 0005   | BL | 0.00          |                      |
| CLIN 0005   | BZ | 0.00          |                      |
|             |    |               | <u>65,025,107.00</u> |
| CLIN 0007AA | BP | 10,199,288.50 |                      |
|             |    |               | <u>10,199,288.50</u> |
| CLIN 0009AA | AQ | 45,106.00     |                      |
| CLIN 0009AA | AV | 0.00          |                      |
| CLIN 0009AA | BK | 256,545.00    |                      |
| CLIN 0009AA | BM | 125,000.00    |                      |
| CLIN 0009AA | BN | 21,315.00     |                      |
|             |    |               | <u>447,966.00</u>    |
| CLIN 0009AB | AJ | 200,000.00    |                      |
| CLIN 0009AB | AK | 85,000.00     |                      |
| CLIN 0009AB | AL | 45,000.00     |                      |
| CLIN 0009AB | AQ | 59,894.00     |                      |
| CLIN 0009AB | AR | 35,000.00     |                      |
| CLIN 0009AB | BK | 3,455.00      |                      |
| CLIN 0009AB | BN | 81,685.00     |                      |
| CLIN 0009AB | BU | 350,000.00    |                      |
| CLIN 0009AB | BV | 9,000.00      |                      |
|             |    |               | <u>869,034.00</u>    |
| CLIN 0013   | AU | 7,970,000.00  |                      |
| CLIN 0013   | AX | 3,396,000.00  |                      |
| CLIN 0013   | AY | 0.00          |                      |
| CLIN 0013   | AZ | 19,412,000.00 |                      |
| CLIN 0013   | BJ | 7,896,673.34  |                      |
|             |    |               | <u>38,674,673.34</u> |
| CLIN 0017   | BW | 0.00          |                      |
| CLIN 0017   | KM | 0.00          |                      |
|             |    |               | <u>0.00</u>          |
| CLIN 0017AA | BY | 3,880,000.00  |                      |
| CLIN 0017AA | BX | 1,146,000.00  |                      |
| CLIN 0017AA | BW | 84,896,852.00 |                      |

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|             |    |                  |                         |
|-------------|----|------------------|-------------------------|
| CLIN 0017AA | BZ | 0.00             |                         |
| CLIN 0017AA | KM | 192,793,000.00   |                         |
| CLIN 0017AA | KN | 0.00             |                         |
| CLIN 0017AA | KQ | 66,151.00        |                         |
| CLIN 0017AA | KS | 0.00             |                         |
| CLIN 0017AA | KT | 386,204,200.00   |                         |
| CLIN 0017AA | KU | 2,203,183.00     |                         |
| CLIN 0017AA | KY | 0.00             |                         |
| CLIN 0017AA | LC | 200,000.00       |                         |
| CLIN 0017AA | LD | 7,943,648.00     |                         |
| CLIN 0017AA | LE | 0.00             |                         |
| CLIN 0017AA | LH | 400,000.00       |                         |
| CLIN 0017AA | LJ | 7,476.00         |                         |
| CLIN 0017AA | LK | 281,575,897.00   |                         |
| CLIN 0017AA | LQ | 235,566.00       |                         |
| CLIN 0017AA | LS | 6,069,616.00     |                         |
| CLIN 0017AA | LT | 530,377.00       |                         |
| CLIN 0017AA | LU | \$9,100,000.00   |                         |
| CLIN 0017AA | LV | \$1,957,265.00   |                         |
| CLIN 0017AA | LW | \$255,567.00     |                         |
| CLIN 0017AA | LX | \$68,000.00      |                         |
| CLIN 0017AA | LY | \$264,135,933.26 |                         |
| CLIN 0017AA | MB | \$375,000.00     |                         |
| CLIN 0017AA | MC | \$2,283,481.00   |                         |
| CLIN 0017AA | MD | \$8,573.00       |                         |
| CLIN 0017AA | ME | \$0.00           |                         |
| CLIN 0017AA | MF | \$261,492,519.00 |                         |
| CLIN 0017AA | MH | \$213,390.00     |                         |
| CLIN 0017AA | MJ | \$858,495.00     |                         |
| CLIN 0017AA | MK | \$56,076.00      |                         |
| CLIN 0017AA | ML | \$116,044.00     |                         |
|             |    |                  | <u>1,509,072,309.26</u> |
|             |    |                  |                         |
|             |    |                  |                         |
| CLIN 0017AB | KL | 118,250.00       |                         |
|             |    |                  | <u>118,250.00</u>       |
|             |    |                  |                         |
| CLIN 0017AC | BZ | 190,000.00       |                         |
|             |    |                  | <u>190,000.00</u>       |
|             |    |                  |                         |
| CLIN 0017AD | KN | 0.00             |                         |
| CLIN 0017AD | KS | 0.00             |                         |
|             |    |                  | <u>0.00</u>             |

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|             |    |              |                   |
|-------------|----|--------------|-------------------|
| CLIN 0017AE | LL | 173,798.00   | 173,798.00        |
| CLIN 0017AH | KT | 173,798.00   | <u>173,798.00</u> |
| CLIN 0020AA | KN | 0.00         |                   |
| CLIN 0020AA | KQ | 26,660.00    | <u>26,660.00</u>  |
| CLIN 0021AA | KW | 0.00         | <u>0.00</u>       |
| CLIN 0021AB | KV | 0.00         |                   |
| CLIN 0021AB | LB | 0.00         |                   |
| CLIN 0021AB | KX | 0.00         |                   |
| CLIN 0021AB | KY | 0.00         | <u>0.00</u>       |
| CLIN 0021AC | KZ | 0.00         |                   |
| CLIN 0021AC | LA | 0.00         | <u>0.00</u>       |
| CLIN 0022   | KW | 0.00         | <u>0.00</u>       |
| CLIN 0023   | KX | 60,000.00    |                   |
| CLIN 0023   | KY | 25,000.00    |                   |
| CLIN 0023   | KV | 65,000.00    |                   |
| CLIN 0023   | LB | 12,500.00    |                   |
| CLIN 0023   | LF | 10,000.00    |                   |
| CLIN 0023   | LR | \$125,000.00 | <u>297,500.00</u> |
| CLIN 0024   | LA | 13,508.00    |                   |
| CLIN 0024   | LG | 62,000.00    |                   |
| CLIN 0024   | KZ | 25,000.00    |                   |
| CLIN 0024   | KW | 20,000.00    |                   |
| CLIN 0024   | LP | 83,200.00    | <u>203,708.00</u> |
| CLIN 0025   | LE | 1,173,850.00 |                   |
| CLIN 0025   | LM | 1,080,404.00 |                   |
| CLIN 0025   | MA | 0.00         |                   |

002225

|           |    |              |                     |
|-----------|----|--------------|---------------------|
|           |    |              | <u>2,254,254.00</u> |
| CLIN 0026 | LN | 630,061.00   |                     |
|           |    |              | <u>630,061.00</u>   |
| CLIN 0027 | LZ | 1,751,384.00 |                     |
|           |    |              | <u>1,751,384.00</u> |
| CLIN 0028 | LM | 329,972.00   |                     |
| CLIN 0028 | MA | 2,982,442.00 |                     |
| CLIN 0028 | MG | 6,262,095.00 |                     |
|           |    |              | <u>9,574,509.00</u> |

7. In consideration of the modification agreed to herein as complete equitable adjustment for the (b)(3)(A) [REDACTED] (i)&Title 10 [REDACTED] proposal submitted via Raytheon letter JLENS-23414-11-054, dated 09 June 2011, the Contractor hereby Sec 130 (a)(b) releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.

(End of Summary of Changes)

002224

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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT  |  |   |   | 1. CONTRACT ID CODE<br>V   | PAGE OF PAGES<br>1   5         |
|---|--|---|---|--|--------------------------------|
| AMENDMENT/MODIFICATION NO.<br>(b)(6)  |  | 3. EFFECTIVE DATE<br>18 JUL 11  | 4. REQUISITION/PURCHASE REQ. NO.                      |  | 5. PROJECT NO. (If applicable) |
| 6. IS [REDACTED] CODE<br>W9113M   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMARAYTHEON<br>50 APPLE HILL DRIVE<br>MS T2FR2<br>TEWKSURY MA 01876 |   | CODE S2205A  |                                |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>380 LOWELL ST.<br>ANDOVER MA 01810-4400  |  |   | 9A. AMENDMENT OF SOLICITATION NO.                     |  |                                |
| CODE 05716 FACILITY CODE  |  |   | 9B. DATED (SEE ITEM 11)                               |  |                                |
|   |  |   | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASG60-98-C-0001 |  |                                |
|   |  |   | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998             |  |                                |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS   |  |   |   |  |                                |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)   |  |   |   |  |                                |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.<br>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).   |  |   |   |  |                                |
| X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:<br>FAR 43.103(a)(3), Mutual Agreement  |  |   |   |  |                                |
| D. OTHER (Specify type of modification and authority)   |  |   |   |  |                                |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.   |  |   |   |  |                                |
| 14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)<br>Modification Control Number: (b)(6)<br>To revise the DD254, Contract Security Classification Specification at no additional cost to the Government.  |  |   |   |  |                                |
| Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  |  |   |   |  |                                |
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br>(b)(6)   |  | 15B. DATE SIGNED<br>15 JUL 2011   |   | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br>(b)(6)                       |                                |
| (b)(6)  |  | 15C. DATE SIGNED<br>15 JUL 2011   |   | 16B. UNITED STATES OF AMERICA<br>BY (Signature of Contracting Officer)<br>18 Jul 11 (b)(6) |                                |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002227


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

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION J - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

The following have been modified:

| <u>TITLE</u>  | <u>DATE</u>  | <u># OF PAGES</u> |           |
|---|--|-------------------|-----------|
| Contract Security Classification Specification (DD Form 254),<br>Revision 13 (Added per Modification P00235)  | 14 Apr 11  | 13                |           |
| JLENS Software Source Code Specifically Negotiated License, 04 Sep 08<br>License Number JLENS-SWLA-01<br>(Added per Modification P00166)  |  | 8                 |           |
| <u>CLIN 0017:</u><br>JLENS System Development and Demonstration<br>(SDD) Program Statement of Work (Revised by<br>Incorporating CSDR Plans dated 20 Febr 2007 in<br>Appendix C per Modification P00136)   | 30 Nov 06 -<br>Revised 20 Feb 07   | 37                |           |
| JLENS System Development and Demonstration<br>(SDD) Program Statement of Work<br>(Added per Modification P00187)  | Revised 06 Apr 09  | 38                |           |
| JLENS System Development and Demonstration<br>(SDD) Program Statement of Work, Revision 2<br>(Added per Modification P00207)  | Revised 09 Mar 10  | 36                |           |
|    | March 08   | 1                 | (b)(3)(A) |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A with Distribution List & Data Item<br>Nos. B001 through B062<br>(Replace Data Item Nos. B026 and B027, only<br>Per Modification P00136)<br>(Replace Data Item Nos. B048 and B049, only<br>Per Modification P00143 & to add statement in<br>Section A of Modification P00143)<br>(Replace Data Item No. B033 only, per<br>Modification P00161) | 01 Dec 06<br><br>Revised 05 Apr 07<br>Revised 24 Oct 07<br>Revised 11 Jul 08 | 63<br><br><br>1   |           |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A, Data Item Nos. B001 and B014<br>(Added per Modification P00187)  | Revised 07 May 09  | 2                 |           |
| Contract Data Requirements List (DD Form 1423)<br>Exhibit A, Data Item Nos. B002 through B062 (less B014 )<br>(Added per Modification P00187)   | Revised 20 Mar 09  | 60                |           |

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\*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<br>(Per Mod P00143)            |                   |    |
| Replaced with Revision C List<br>(Per Modification P00183) | 09 Mar 09         | 12 |
| Replaced with Revision D List<br>(Per Modification P00207) | 23 Feb 10         | 11 |

\*\*Per the DCMA and [REDACTED] Raytheon is authorized rent free use on a non-interference use of (b)(4) 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)

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)

Gov't Technical POC: [REDACTED] (b)(6)

Ship to address:



(b)(4)

|                      |          |
|----------------------|----------|
| 20 Jun 03            | 1 List   |
| 25 Mar 07*           | 34 pages |
| (Revised 21 Nov 07)* | 34 pages |

\*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.

JLENS Performance Specification, MIS-PRF-55628,  
Revision A

27 Jun 08

136

(Added by reference per Modification P00168)

002229

|  |           |    |
|--|-----------|----|
| Annex A to the JLENS Performance Specification,<br>MIS-PRF-55628, Revision A<br>(Added by reference per Modification P00168) | 27 Jun 08 | 10 |
| JLENS SDD DD250 Plan<br>(Added per Modification P00207)  | 11 Dec 09 | 5  |
| Performance Incentive Fee Criteria/Evidence<br>(Revised per Modification P00227)   | Undated   | 8  |
| Engineering Change Proposal (ECP) MI-N3893,<br>Revision 2, CDRL B039-005b  | 15 Nov 10 | 15 |
| Engineering Change Proposal (ECP) MI-N3894,<br>CDRL B039-006   | 18 Aug 10 | 16 |
| Engineering Change Proposal (ECP) MI-N3895,<br>CDRL B039-007   | 28 Sep 10 | 50 |

CLINs 0023 and 00024

JLENS Simulation Support  
SOW dated 28 January 2008

28 January 2008

2 pages

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

Simulation Support Tasks  
(Added per Mod P00160)

CLIN 0025

JLENS Integrated Fire Control Demonstration Program  
Statement of Work, Revision 5  
(Added per Modification P00211)

14 Sep 09

3

JLENS Integrated Fire Control Demonstration Program  
Program and Technical Clarification Description,  
incorporated herein by reference  
(Added per Modification P00211)

30 Mar 10

26

Contract Data Requirements List (DD Form 1423)  
Exhibit B, Data Items Nos. B001 through B004, with  
Data Item Descriptions  
(Added per Modification P00165)

16 Oct 07

19

Contract Data Requirements List (DD Form 1423),  
CLIN 0028, Exhibit B, Data Item Nos. B001 through B006  
(Added per Modification P00211)

16 Jun 10

6

CLIN 0027

JLENS System Integration Lab (SIL)  
Equipment List  
(Added per Modification P00196)

Undated

6

Revision to System Integration Lab (SIL)

02 Aug 10

6

002230

Equipment List  
(Added per Modification P00217)

(End of Summary of Changes)

002231

DEPARTMENT OF DEFENSE  
CONTRACT SECURITY CLASSIFICATION SPECIFICATION

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

1. CLEARANCE AND SAFEGUARDING

a. FACILITY CLEARANCE REQUIRED

(b)(7)(E)

b. LEVEL OF SAFEGUARDING REQUIRED

(b)(7)(E)

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

☒ a. PRIME CONTRACT NUMBER  
**DASG60-98-C-0001**

☐ b. SUBCONTRACT NUMBER

☐ c. SOLICITATION OR OTHER NUMBER

DATE (YYMMDD)

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

☐ a. ORIGINAL (Complete date in all cases)

DATE (YYMMDD)  
19980113

☒ b. REVISION (Supersedes all previous specs)

Revision No.

13

DATE (YYMMDD)  
20110414

☐ c. FINAL (Complete Item 5 in all cases)

DATE (YYMMDD)

4. THIS IS A FOLLOW-ON CONTRACT? ☐ YES ☒ NO. If Yes, complete the following:

Classified material received or generated under

(Preceding Contract Number) is transferred to this follow-on contract.

5. IS THIS A FINAL DD FORM 254? ☐ YES ☒ NO. If Yes, complete the following:

In response to the contractor's request dated, retention of the identified classified material is authorized for the period of.

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

a. NAME, ADDRESS, AND ZIP CODE  
Raytheon Company  
Integrated Defense Systems  
350 Lowell Street  
Andover, MA 01810-4400

b. CAGE CODE  
05716

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)  
Defense Security Service  
Andover Field Office  
1 Tech Drive, Suite 330  
Andover, MA 0810-2452

7. SUBCONTRACTOR

a. NAME, ADDRESS, AND ZIP CODE

b. CAGE CODE

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)

8. ACTUAL PERFORMANCE

a. LOCATION

Same as Block 6a and secondary Test Sites as  
directed by the JLENS Product Office

b. CAGE CODE

c. COGNIZANT SECURITY OFFICE (Name, Address, and Zip Code)

9. GENERAL IDENTIFICATION OF THIS PROCUREMENT

System Development and Demonstration (SDD) for the Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) Systems Product Office.

(b)(7)(E)

(b)(7)(E)

10. THIS CONTRACT WILL REQUIRE ACCESS TO:

a. COMMUNICATIONS SECURITY (COMSEC) INFORMATION

b. RESTRICTED DATA

c. CRITICAL NUCLEAR WEAPON DESIGN INFORMATION

d. FORMERLY RESTRICTED DATA

e. INTELLIGENCE INFORMATION:

(1) Sensitive Compartmented Information (SCI)

(2) Non-SCI

f. SPECIAL ACCESS INFORMATION

g. NATO INFORMATION

h. FOREIGN GOVERNMENT INFORMATION

i. RESTRICTED DISSEMINATION INFORMATION

j. OFFICIAL USE ONLY INFORMATION

k. OTHER (Specify)  
SEE ITEM #13

11. IN PERFORMING THIS CONTRACT, THE CONTRACTOR WILL:

a. HAVE ACCESS TO CLASSIFIED INFORMATION ONLY AT ANOTHER CONTRACTOR'S FACILITY OR A GOVERNMENT ACTIVITY

b. RECEIVE CLASSIFIED DOCUMENTS ONLY

c. RECEIVE AND GENERATE CLASSIFIED MATERIAL

d. FABRICATE, MODIFY, OR STORE CLASSIFIED HARDWARE

e. PERFORM SERVICES ONLY

f. HAVE ACCESS TO U.S. CLASSIFIED INFORMATION OUTSIDE THE U.S., PUERTO RICO, U.S. POSSESSIONS AND TRUST TERRITORIES

g. BE AUTHORIZED TO USE THE SERVICES OF DEFENSE TECHNICAL INFORMATION CENTER (DTIC) OR OTHER SECONDARY DISTRIBUTION CENTER

h. REQUIRE A COMSEC ACCOUNT

i. HAVE TEMPEST REQUIREMENTS

j. HAVE OPERATIONS SECURITY (OPSEC) REQUIREMENTS

k. BE AUTHORIZED TO USE THE DEFENSE COURIER SERVICE

l. OTHER (Specify)

Require classified computer processing

12. **PUBLIC RELEASE.** Any information classified or unclassified pertaining to this contract shall not be released for public dissemination except as provided by the NISPDM 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.

☐ Direct ☒ Through (Specify):

(b)(7)(E)

to the Directorate for Freedom of Information and Security Review, Office of the Assistant Secretary of Defense (Public Affairs)\* for review.  
\*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 the 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 change 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. (FBI in as appropriate for the classified effort. Attach, or forward under separate correspondence, any documents/guides/instructions referenced herein. Add additional pages as needed to provide complete guidance.)

Technical POC is [redacted] end [redacted] (b)(6)

Estimated date of completion of the contract is 30 September 2013.

See continuation pages for additional security guidance.

10.k reference

(b)(7)(E)

11.i reference

11.j reference  
OPSEC

14. **ADDITIONAL SECURITY REQUIREMENTS.** Requirements, in addition to NISPDM requirements, are established for this contract. (If Yes, identify the pertinent contractual clauses in the contract document itself, or provide any appropriate statement which identifies the additional requirements. Provide a copy of the requirements to the cognizant security office. Use item 15.f additional space as needed.)

☒ Yes ☐ No

(b)(7)(E)

15. **INSPECTIONS.** Elements of this contract are outside the inspection responsibility of the cognizant security office. (If Yes, explain and identify specific areas of concern and the entity responsible for inspection. Use item 15.f additional space as needed.)

☒ Yes ☐ No

(b)(7)(E)

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)

d. ADDRESS (Include Zip Code)

Missile Defense Systems Project Office  
3-MSLS-CMDS-JLN-SO  
J 5308, Room 8050

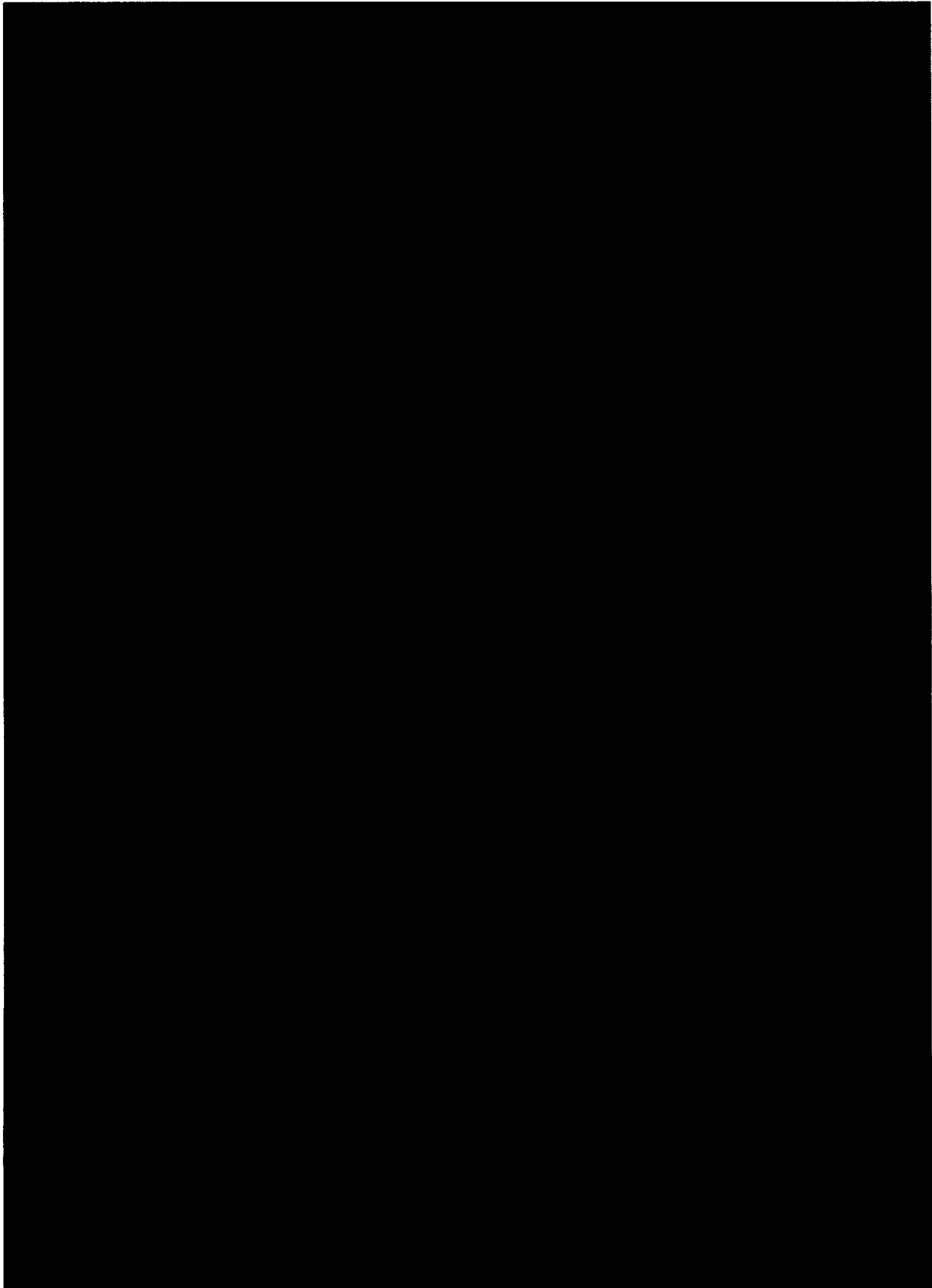
Redstone Arsenal, AL 35898-5000

JLENS Program Security Officer

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

002233



(b)(7)(E)

(b)(7)(E)

(b)(7)(E)

**FOR OFFICIAL USE ONLY**

002234

[REDACTED]

(b)(7)(E)

[REDACTED]

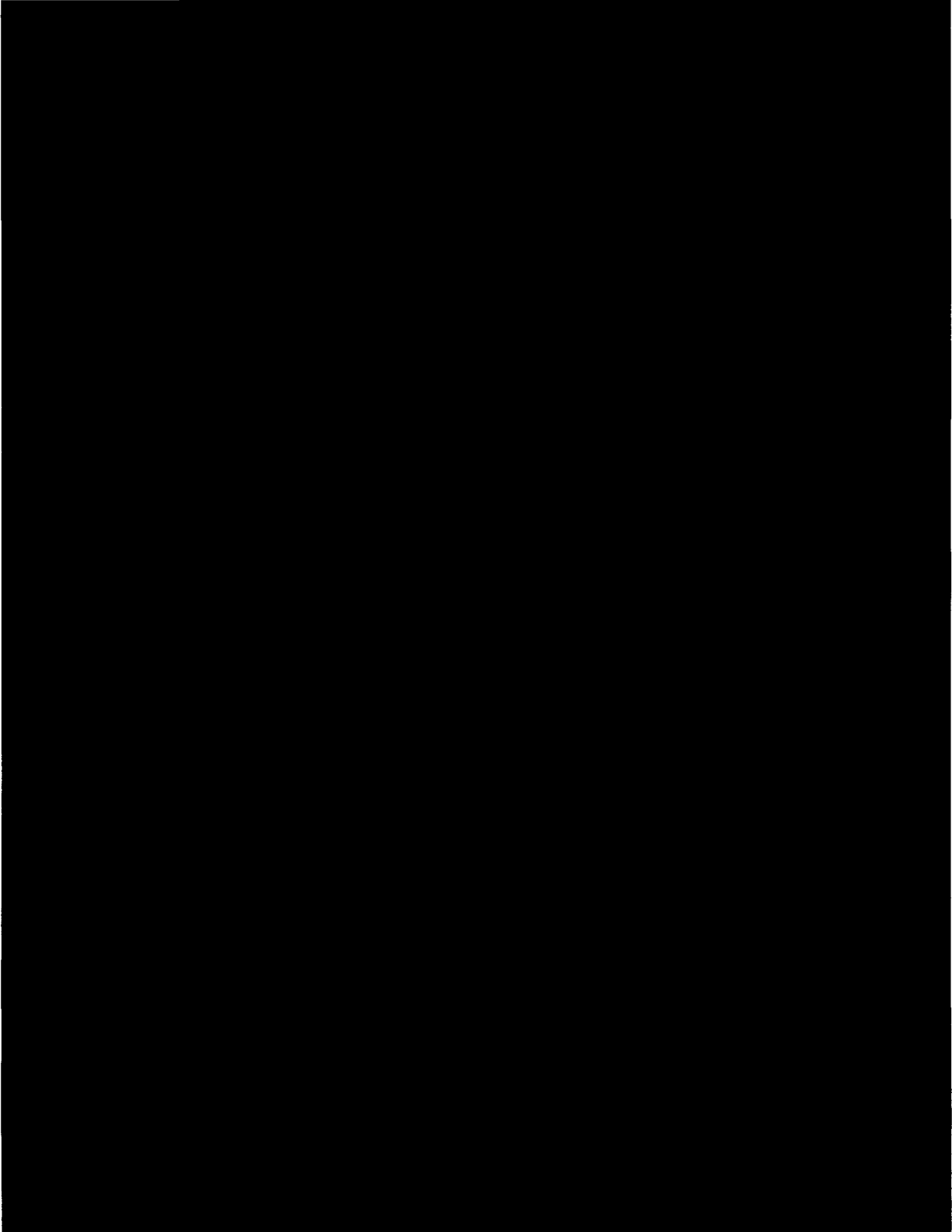
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[REDACTED]

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Attachment 1



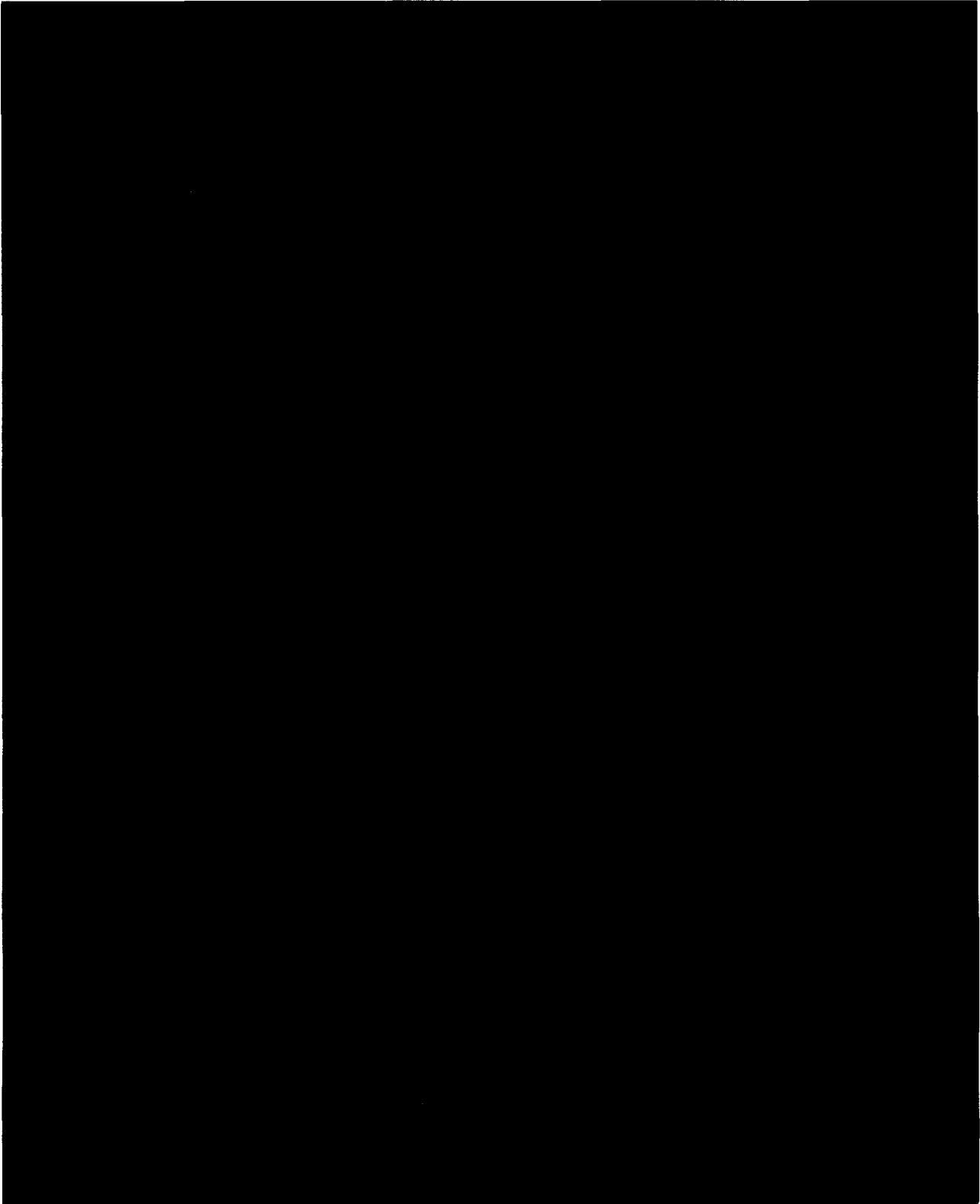
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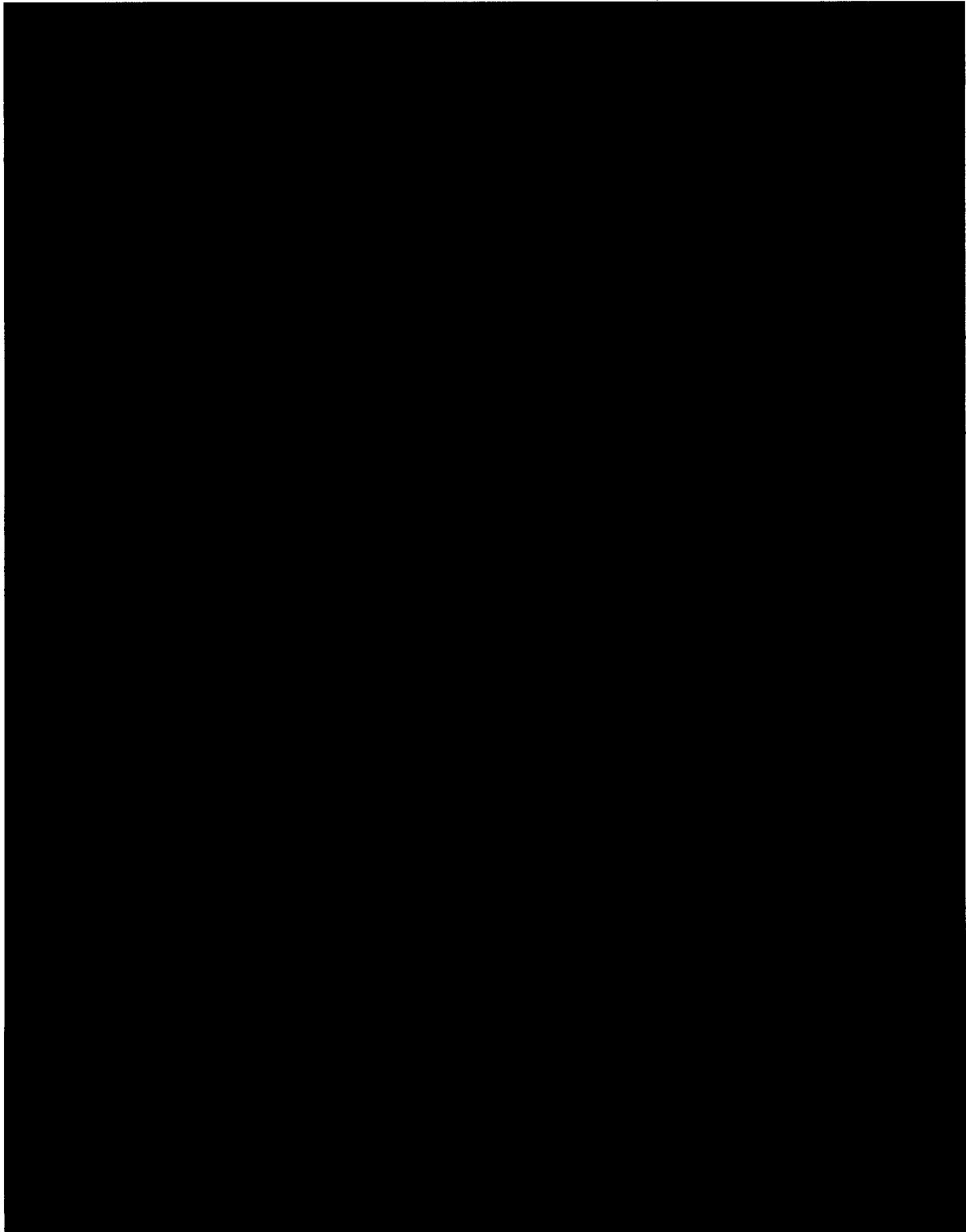


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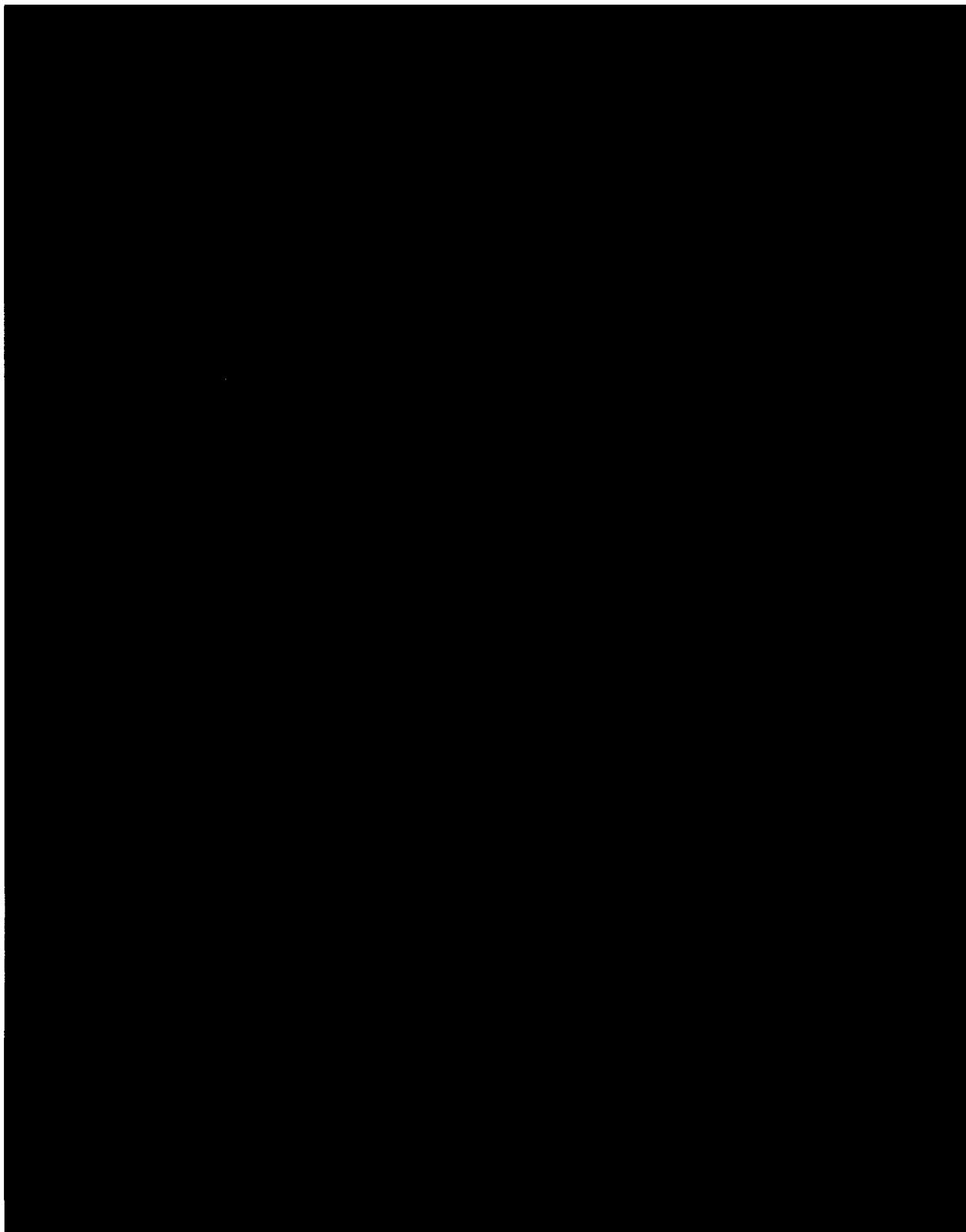
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**FOR OFFICIAL USE ONLY**

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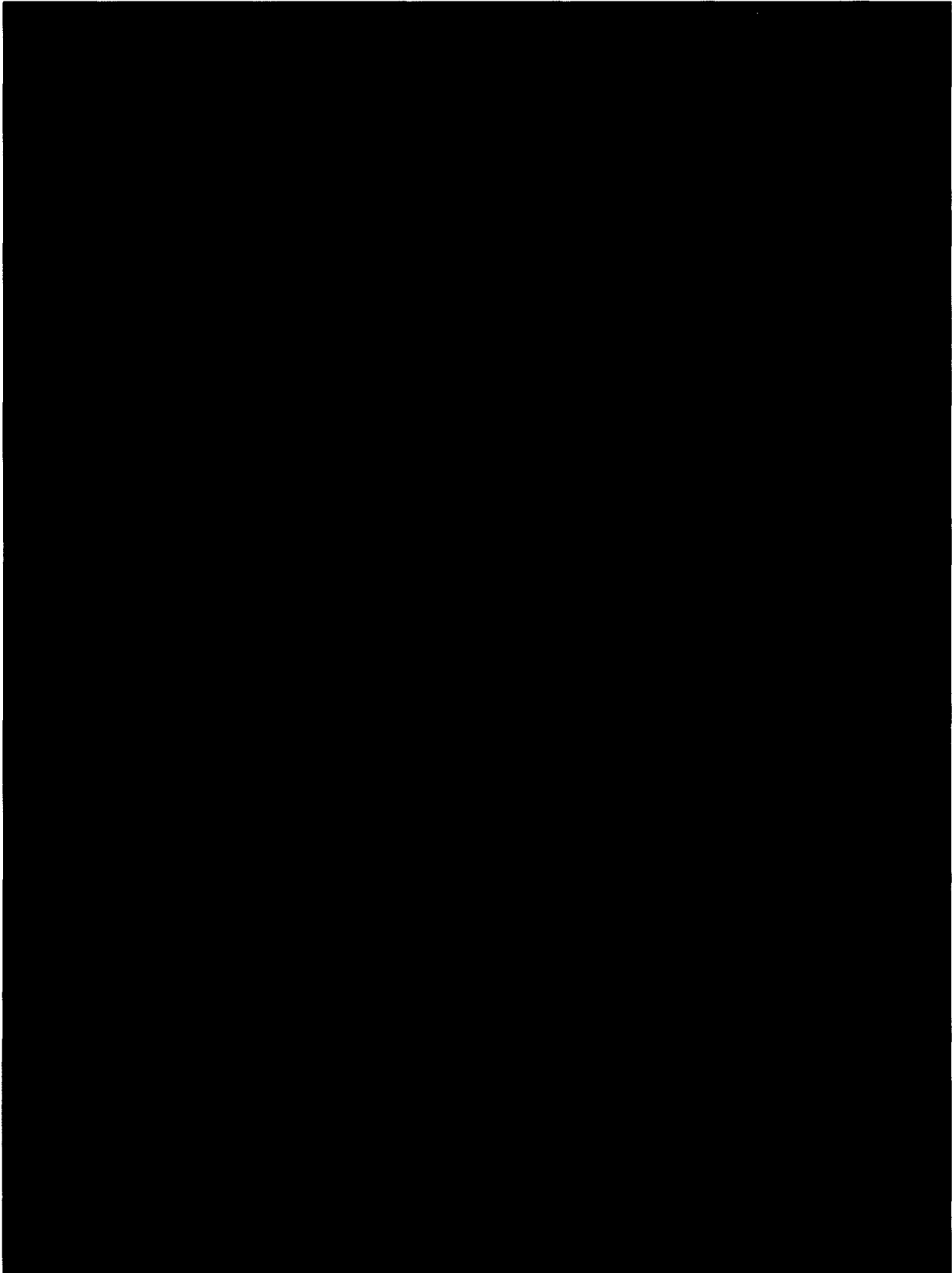
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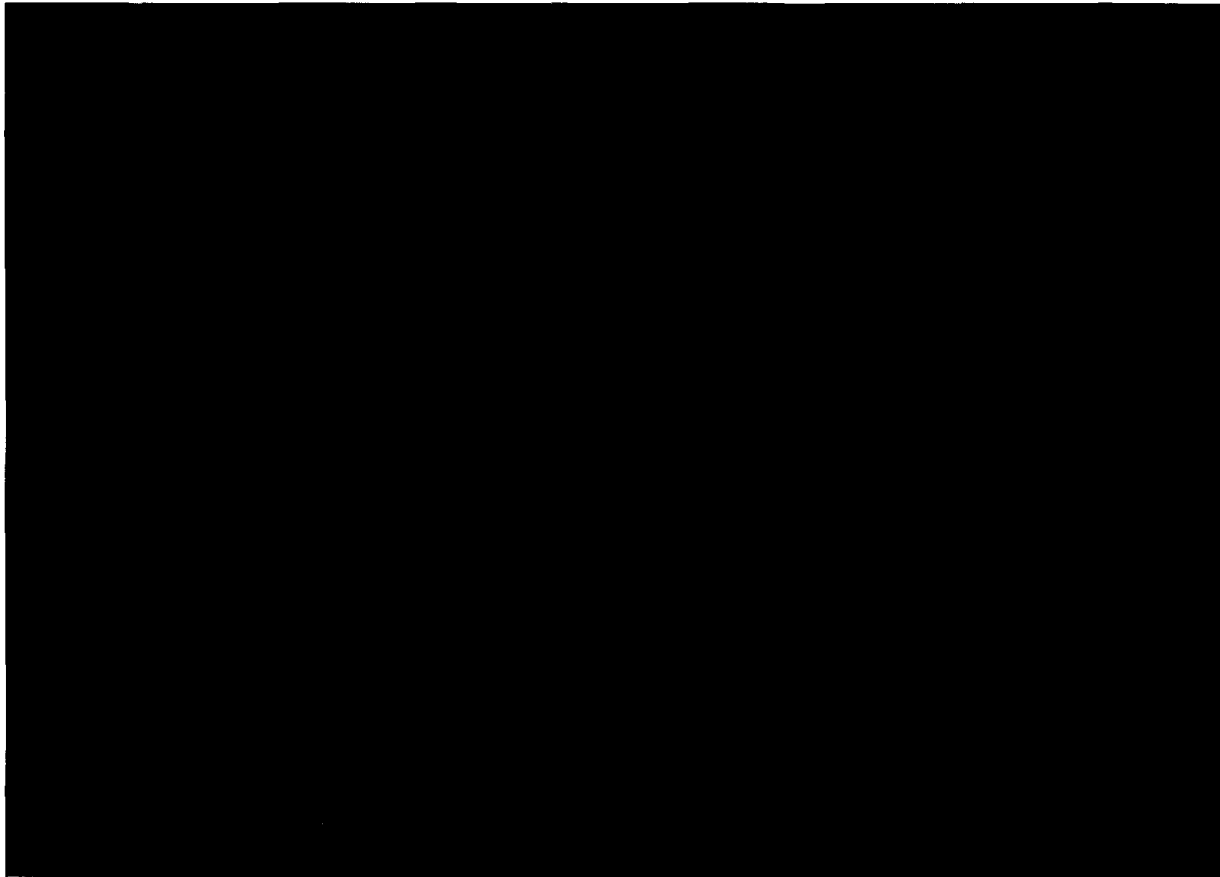
**FOR OFFICIAL USE ONLY**

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**FOR OFFICIAL USE ONLY**

002240



(b)  
(7)  
(E)

(b)  
(7)  
(E)

(b)  
(7)  
(E)



(b)(6)

FOR OFFICIAL USE ONLY

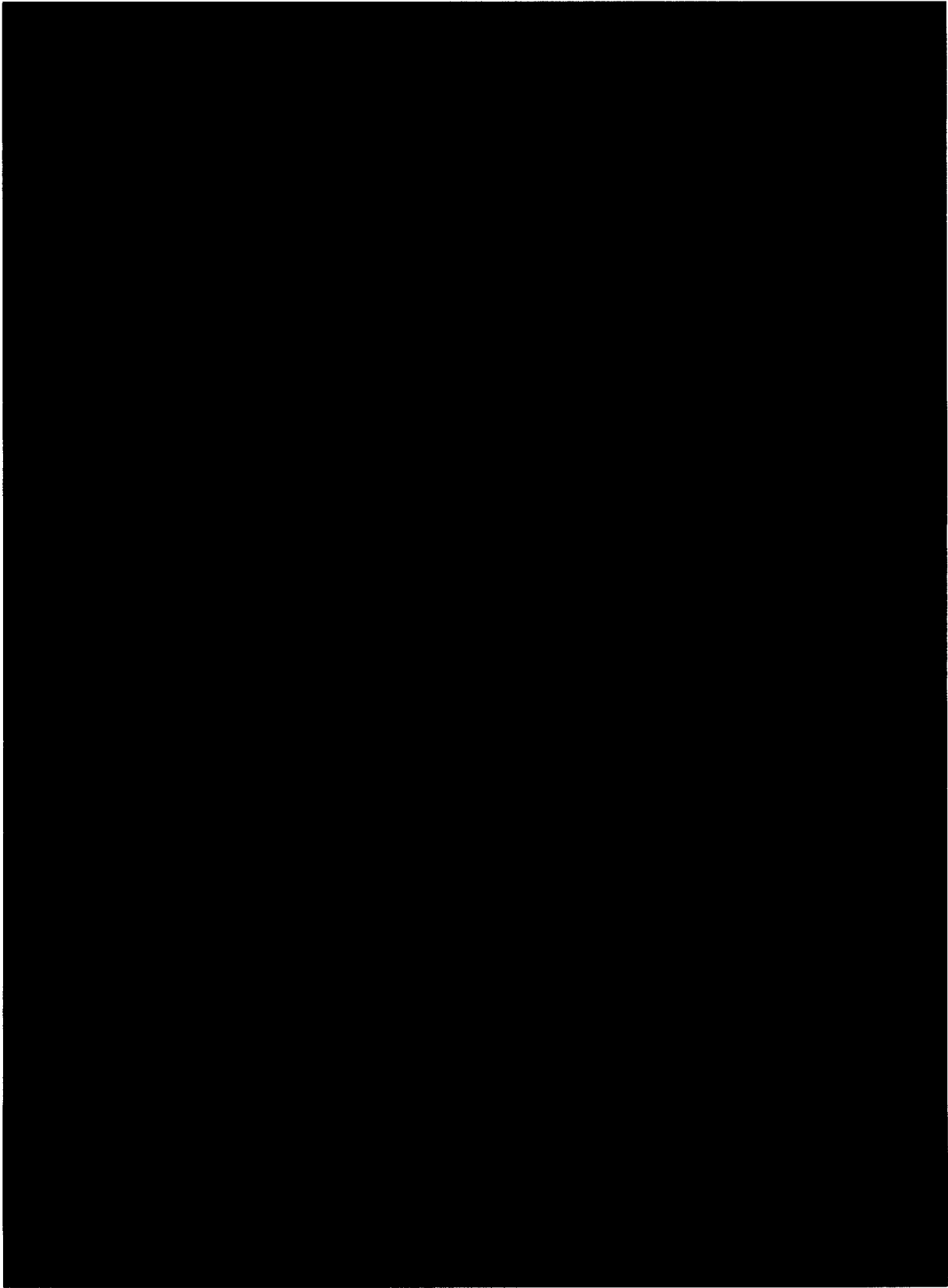
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**FOR OFFICIAL USE ONLY**

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002242



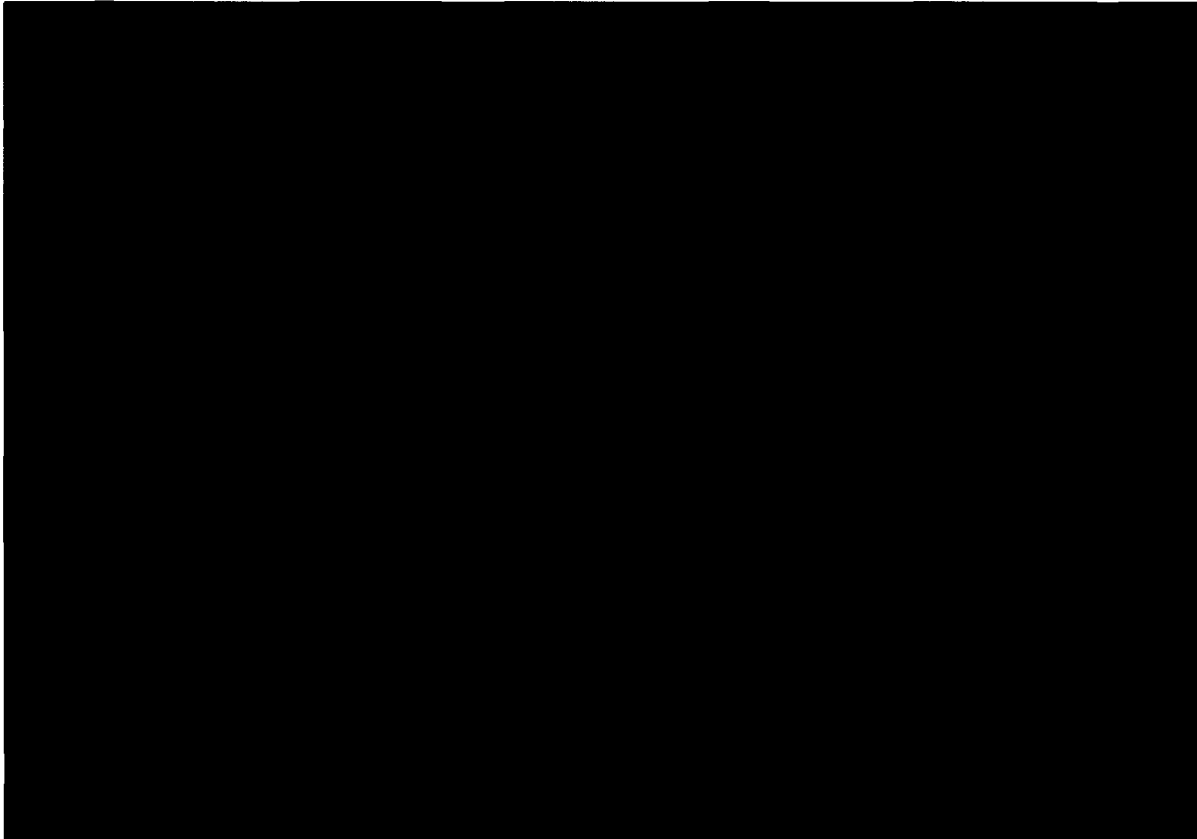
(b)(7)(E)

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FOR OFFICIAL USE ONLY

002243



(b)(7)(E)

(b)(7)  
(E)

(b)(7)  
(E)

FOR OFFICIAL USE ONLY

002244



|  |  |   |  |  |  |                                 |  |
|--|--|---|--|--|--|---------------------------------|--|
| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>  |  |   |  | 1. CONTRACT ID CODE<br><b>V</b>  |  | PAGE OF PAGES<br><b>1   5</b>   |  |
| AMENDMENT/MODIFICATION NO.<br><b>P00236</b>  |  | 3. EFFECTIVE DATE<br><b>19-Jul-2011</b> |  | 4. REQUISITION/PURCHASE REQ. NO.   |  | 5. PROJECT NO (If applicable)   |  |
| 6. ISSUED BY<br>USASMD/ARSTRAT<br>SMD/DC-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801  |  | CODE<br><b>W9113M</b>                   |  | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>50 APPLE HILL DRIVE<br>M/S T2FR2<br>TEWKSBURY MA 01876 |  | CODE<br><b>S2205A</b>           |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST<br>ANDOVER MA 01810-4400  |  |   |  | 9A. AMENDMENT OF SOLICITATION NO.  |  |                                 |  |
|  |  |   |  | 9B. DATED (SEE ITEM 11)  |  |                                 |  |
|  |  |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br>DASC60-98-C-0001  |  |                                 |  |
|  |  |   |  | X 10B. DATED (SEE ITEM 13)<br>30-Jan-1998  |  |                                 |  |
| CODE <b>05716</b>  |  | FACILITY CODE                           |  |  |  |                                 |  |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS  |  |   |  |  |  |                                 |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each 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)  |  |   |  |  |  |                                 |  |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS<br>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<br>CONTRACT ORDER NO. IN ITEM 10A.  |  |   |  |  |  |                                 |  |
| B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying<br>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)<br>UNLATERAL: FAR 52.243-2, Changes  |  |   |  |  |  |                                 |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is 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<br>where feasible.)<br>Modification Control Number [REDACTED]<br>To issue a change order in accordance with JLENS Statement of Work (SOW), dated 09 March 2010, paragraph 5.4, titled Systems<br>Tests/Demonstrations, and JLENS System Performance Specification (MIS-PRF-55628), paragraph 3.14.5.2, titled Aerostat Retrieval Cycle,<br>for initiation of effort related to demonstration of a persistent capability for the Surveillance System (SuS).  |  |   |  |  |  |                                 |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |  |                                 |  |
| [REDACTED]   |  |   |  | [REDACTED]   |  |                                 |  |
| B. CONTRACTOR/OFFEROR  |  |   |  | 15C. DATE SIGNED   |  | 16B. UNITED STATES OF AMERICA   |  |
| (Signature of person authorized to sign)   |  |   |  | [REDACTED]   |  | 16C. DATE SIGNED<br>19-Jul-2011 |  |
|  |  |   |  | (Signature of Contracting Officer)   |  |                                 |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

002245

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

## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## 1. SECTION A - SOLICITATION/CONTRACT FORM

The total cost of this contract was increased by \$1,618,600 from \$1,814,867,002.00 to \$1,816,485,602.00.

The following have been added by full text:

PURPOSE

To conduct a demonstration of a persistent capability for the Surveillance System (SuS) over a fourteen (14) day period (twenty-four (24) hours/day) not later than 30 September 2011.

The purpose of the demonstration is to gather data in support of meeting the Aerostat Retrieval Cycle requirement as shown in paragraph 4, Table 1, Requirement/ Verification Cross Reference Matrix, 3.14.5.2, of the JLENS System Performance Specification (MIS-PRF-55628).

The fourteen (14) day SuS Demonstration will include continuous operation of the Platform subsystem, the Radar subsystem, and the CPG subsystem in a near-tactical configuration. The SuS Demonstration will include conducting, documenting, and analyzing (1) platform flight operations, (2) radar radiation, detection, and tracking of primary mission targets, (3) control of the SuS via the CPG, and (4) communication of radar information [REDACTED]

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

SuS Demonstration objectives will be developed by Raytheon and submitted to the JLENS Product Office (JPO) for approval thirty (30) days prior to the event. SuS Demonstration "quick look" results will be submitted to the JPO every twenty-four (24) hours during the fourteen (14) day event. A final report will encapsulate results and analysis for the SuS Demonstration events and will be delivered to the JPO thirty (30) after the fourteen (14) day SuS Demonstration completes.

## 2. SECTION B - SUPPLIES OR SERVICES AND PRICES

## SUBCLIN 0017AA

The target cost has increased by [REDACTED] from [REDACTED] to [REDACTED]

The target profit/fee has increased by [REDACTED] from [REDACTED] 00 to [REDACTED]

The total cost of this line item has increased by \$1,618,600.00 from \$1,577,118,555.00 to \$1,578,737,155.00.

(b)(4)  
(b)(4)

This includes an increase in target cost of [REDACTED], consisting of [REDACTED] increase in cost and [REDACTED] increase in facilities capital cost of money, and an increase in target fee of [REDACTED] which [REDACTED] of target cost less facilities capital cost of money.

(b)(4)  
(b)(4)

## 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

[REDACTED]  
[REDACTED]

Incentive Arrangement: Maximum Fee:  
Minimum Fee:

[REDACTED]  
[REDACTED]

(b)(4)  
(b)(4)  
(b)(4)  
(b)(4)

002246

(Share Ratio: Government/Contractor)

Underrun: [REDACTED] the amount by which the total allowable cost is less than the target cost until maximum fee is attained. (b)(4)

Overrun: [REDACTED] the amount by which the total allowable cost exceeds the target cost until minimum fee is attained. (b)(4)

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 [REDACTED] cents for every dollar that the total allowable cost is less than the target cost or decreased by [REDACTED] cents for every dollar that the total allowable cost exceeds the target cost. In no event shall the fee be greater than [REDACTED] percent or less than [REDACTED] percent of the target cost. (b)(4)

B-18. TARGET COST, TARGET FEE, MINIMUM INCENTIVE FEE, MAXIMUM INCENTIVE FEE, AND INCENTIVE ARRANGEMENT FOR SUBCLIN 0017AA/CLIN 0018: (b)(4)

SUBCLIN 0017AA – (Two SDD JLENS Systems)

a. Target cost: [REDACTED]  
 b. Target fee: [REDACTED]  
 c. Minimum incentive fee: [REDACTED]  
 d. Maximum incentive fee: [REDACTED]  
 e. Total target cost and target fee: \$1,578,737,155 (b)(4)

3. SECTION G - CONTRACT ADMINISTRATION DATA

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 :

|  | <u>PRIOR</u>       | <u>THIS MODIFICATION</u> | <u>CUMULATIVE TOTAL*</u> |
|--|--------------------|--------------------------|--------------------------|
| (1) Amount Required for Full Funding, Including Fee:           | \$1,577,118,555    | \$1,618,600              | \$ 1,578,737,155         |
| (2) Amount Allotted Under the LOF Clause for Payment of Costs: | [REDACTED]         | [REDACTED]               | [REDACTED] (b)(4)        |
| (3) Amount Separately Obligated for Payment of Fee:            | [REDACTED]         | [REDACTED]               | [REDACTED] (b)(4)        |
| (4) Total Amount Allotted and Obligated:                       | \$1,509,072,309.26 | \$ 0                     | \$1,509,072,309.26       |
| (5) Net Amount Required for Full Funding                       | \$ 68,046,245.74   | \$1,618,600              | \$ 69,664,845.74         |

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

002247

4. SECTION H – SPECIAL CONTRACT REQUIREMENTS is changed as follows:

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 \$1,578,737,155 includes a target cost of [REDACTED] (which includes \$[REDACTED] of cost and [REDACTED] of facilities capital cost of money) and a target incentive fee of [REDACTED] which is [REDACTED] target cost less facilities capital cost of money.

(b)(4) (b)(4)  
(b)(4)

b. Cost Incentive.

(1) The target fee payable under SubCLIN 0017AA [REDACTED] of the target cost less facilities capital cost of money [REDACTED] amount equal to [REDACTED]

(b)(4) (b)(4)  
(b)(4) (b)(4)

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

(b)(4) (b)(4)

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

(b)(4) (b)(4)

(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 [REDACTED] Government / [REDACTED] Contractor for actual costs less than the target cost, and a ratio of [REDACTED] Government / [REDACTED] Contractor for actual costs greater than the target cost range applied according to Paragraph H-19(c)(1).

(b)(4) (b)(4)  
(b)(4)

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

c. Schedule and Performance Incentive.

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

(b)(4) (b)(4)  
(b)(4) (b)(4)

(a) [REDACTED] the maximum benefit of the "flat zone", earned by the conduct of the SDD System Functional Review NLT 2nd Quarter, Fiscal Year 2007. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED]) Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 5 March 2007 from [REDACTED]

(b)(4) (b)(4)  
(b)(6)

(b) [REDACTED] % of the maximum benefit of the "flat zone", earned by the conduct of SDD Orbit Critical Design review NLT 2nd Quarter, Fiscal Year 2009. (It is hereby acknowledged by the government that Raytheon completed the requirement for this flat zone and earned the "Flat Zone" schedule incentive of [REDACTED]) Final determination of incentive fee payment utilizing the "Flat Zone" amount will be made at the conclusion of the contract. Reference letter, dated 12 January 2009, from [REDACTED]

(b)(4) (b)(4)  
(b)(4) (b)(4)  
(b)(6)

(2) An additional performance incentive fee pool of [REDACTED] maximum is established and will be awarded to the contractor for meeting performance incentives associated with System Capability Reviews (SCRs) and the Developmental Test (DT)/Limited User Test (LUT) according to the schedule below:

(b)(6) (b)(6)  
(b)(4) (b)(4)

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(a) [REDACTED] maximum) earned based on successful conduct of technical performance defined by SCR-1.

(b)(4)

(b) [REDACTED] maximum) earned based on successful conduct of technical performance defined by SCR-2.

(b)(4)

(c) [REDACTED] maximum) earned based on successful conduct of technical performance defined by SCR-3.

(b)(4)

(d) [REDACTED] maximum) earned based on successful conduct of technical performance defined by LUT.

(b)(4)

(e) The specific criteria/evidence and associated percentages related to successful completion of (a) through (d) above are defined in the Section J attachment entitled "Performance Incentive Fee Criteria/Evidence."

(f) Following completion of each milestone in (a) through (d) above, the government will determine the amount of performance incentive fee earned. If it is determined that performance incentive fee is earned, the additional contract value will be added to the total value of the contract at the time the incentive is earned.

(3) For Earned Value and cost reporting purposes, the target cost value of \$1,449,378,168 will be used.

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.

(End of Summary of Changes)

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| <b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>   |   |  |  | 1. CONTRACT ID CODE<br><b>V</b> | PAGE OF PAGES<br><b>1   8</b>  |
|---|---|--|--|---------------------------------|--|
| AMENDMENT/MODIFICATION NO.<br><b>P00237</b>   | 3. EFFECTIVE DATE<br><b>03-Aug-2011</b> | 4. REQUISITION/PURCHASE REQ NO.  | 5. PROJECT NO (If applicable)  |                                 |  |
| 6. ISSUED BY<br>USASMD/ARSTRAT<br>SMD-C-RDC<br>PO BOX 1500<br>HUNTSVILLE AL 35807-3801  | CODE<br><b>W9113M</b>                   | 7. ADMINISTERED BY (If other than item 6)<br>DCMA RAYTHEON<br>60 APPLE HILL DRIVE<br>W/ST 2FR2<br>TEWKSBURY MA 01876 | CODE<br><b>S2205A</b>  |                                 |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)<br>RAYTHEON COMPANY<br>350 LOWELL ST.<br>ANDOVER MA 01810-4400  |   |  | 9A. AMENDMENT OF SOLICITATION NO.  |                                 |  |
|   |   |  | 9B. DATED (SEE ITEM 11)  |                                 |  |
|   |   |  | X 10A. MOD. OF CONTRACT/ORDER NO.<br><b>DASG60-98-C-0001</b>   |                                 |  |
|   |   |  | X 10B. DATED (SEE ITEM 13)<br><b>30-Jan-1998</b>   |                                 |  |
| CODE <b>05716</b>   |   |  | FACILITY CODE  |                                 |  |
| <b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>  |   |  |  |                                 |  |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended.<br>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:<br>(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;<br>or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE<br>RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN<br>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,<br>provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. |   |  |  |                                 |  |
| <b>12. ACCOUNTING AND APPROPRIATION DATA (If required)</b><br><b>See Schedule</b>   |   |  |  |                                 |  |
| <b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS</b><br><b>IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>   |   |  |  |                                 |  |
| 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)<br><b>UNILATERAL: FAR 52.232-22, Limitation of Funds</b>  |   |  |  |                                 |  |
| E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.  |   |  |  |                                 |  |
| <b>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</b><br>Modification Control Number: <span style="background-color: black; color: black;">(b)(6)</span><br>To add the line of accounting for funds in the amount of \$1,818,800 that were inadvertently omitted from SubCLIN 0017AA in Modification P00236 and to incrementally fund SubCLIN 0017AA in the amount of \$2,087,000 for submission of an update to Contract Data Requirements List (CDRL) B017, Integrated Support Plan, Sub-Plan entitled Deployment Transition Plan, as outlined in Directorate B, Contract Operations Division 2 letter, JLENS-2011-036, dated 01 July 2011.  |   |  |  |                                 |  |
| Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains 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)   |                                 |  |
|   |   |  | <span style="background-color: black; color: black;">(b)(6)</span> <span style="float: right;">(b)(6)</span> |                                 |  |
| 3. CONTRACTOR/OFFEROR   |   |  | 15C. DATE SIGNED   |                                 | 16B. UNITED STATES OF AMERICA  |
| (Signature of person authorized to sign)  |   |  |  |                                 | 16C. DATE SIGNED<br><span style="background-color: black; color: black;">(b)(6)</span><br><b>03-Aug-2011</b> |
|   |   |  | (Signature of Contracting Officer)   |                                 |  |

EXCEPTION TO SF 30  
APPROVED BY OIRM 11-84

30-105-04

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