

**UNITED STATES TRANSPORTATION COMMAND  
(USTRANSCOM)**

**Contract HTC711-09-F-0005  
Modification P00006, 29 September 2009**

**USTRANSCOM Military Surface Deployment &  
Distribution Command (SDDC) Deputy chief of Staff (DCS)  
For Information Management (G6) Enterprise Support  
Services**

**Systems Research & Application Corp  
Fairfax VA**

Released under FOIA 10-04  
FOIA Exemption 5 U.S.C. 552(b)(6) applies



## SECTION SF 30 BLOCK 14 CONTINUATION PAGE

## SUMMARY OF CHANGES

## SECTION SF 30 - BLOCK 14 CONTINUATION PAGE

The following have been added by full text:

SUMMARY OF CHANGES P00006

The purpose of this modification is to incorporate the revised Performance Work Statement ( PWS) dated 5 Aug 09.

1. The purpose of this revision is to add clarification language to selected PWS paragraphs.
2. Paragraph 1.3.2.1 Task 2, Subtask 1 - last paragraph, last sentence eliminated the backup of the metadata repository for the base period. The Delivery Schedule is revised to reflect this change.
3. Migration of Command Information Decision Support System (CIDSS) is hereby eliminated from task 4; subtask 4 for the base year.
4. SDDC Intranet Site is hereby renamed SDDC SharePoint Portal in task 4, subtask 4.
5. Migration of the SDDC Internet Site is hereby eliminated from task 4; subtask 4 for option year 1.
6. Combined Data Toolset (CDT), Collaborative Information Workstation (CIW) and SDDC Architecture Tool are hereby added for option year 1 to task 4, subtask 4.
7. The CLIN structure for all option years is hereby revised as follows:

a. CLIN 1001 is changed to read: Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010.

Task 1	\$439,783.00
Task 2	\$636,522.00
Task 3	\$2,469,153.00
Task 4	\$2,800,844.00
Task 5	\$522,710.00
Task 6	\$335,131.00

b. CLINS 1002, 1003, 1004, 1007, 1008, 1009, 1010, are hereby changed to RESERVED. These CLINS are hereby incorporated into CLIN 1001.

c. CLIN 1012 is hereby changed to read: Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 - GOPAX FUNDS

Task 1	\$20,554.00
Task 7	\$160,446.00

d. CLIN 2001 is changed to read: Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011

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Task 1	\$284,554.00
Task 2	\$649,246.00
Task 3	\$2,518,552.00
Task 4	\$2,856,888.00
Task 5	\$533,188.00
Task 6	\$341,833.00

e. CLINS 2002, 2003, 2004, 2007, 2008, 2009, 2010, are hereby changed to RESERVED. These CLINS are hereby incorporated into CLIN 2001.

f. CLIN 2012 is hereby changed to read: Enterprise Support Services for Task 1, and Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 - GOPAX FUNDS

#### GOPAX FUNDS

Task 1 -	\$185,000.00
Task 7 -	\$163,660.00

g. CLIN 3001 is hereby changed to read: Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012

Task 1	\$291,949.00
Task 2	\$662,230.00
Task 3	\$2,568,811.00
Task 4	\$2,913,974.00
Task 5	\$543,848.00
Task 6	\$348,673.00

h. CLINS 3002, 3003, 3004, 3007, 3008, 3009, 3010, are hereby changed to RESERVED. These CLINS are hereby incorporated into CLIN 3001.

i. CLIN 3012 is hereby changed to read: Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012 - GOPAX FUNDS

Task 1 -	\$187,000.00
Task 7 -	\$166,937.00

j. CLIN 4001 is hereby changed to read: Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1 and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013

Task 1	\$297,529.00
Task 2	\$675,474.00
Task 3	\$2,620,226.00
Task 4	\$2,972,279.00
Task 5	\$554,728.00
Task 6	\$355,644.00

k. CLINS 4002, 4003, 4004, 4007, 4008, 4009, 4010, are hereby changed to RESERVED. These CLINS are hereby incorporated into CLIN 4001.

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1. CLIN 4012 is hereby change to read: Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 - GOPAX FUNDS

Task 1 - \$191,000.00

Task 7 - \$170,283.00

8. There is no change to the Invoicing procedures.

9. All other terms and conditions remain unchanged.

SECTION SF 1449 - CONTINUATION SHEET

SUPPLIES OR SERVICES AND PRICES

CLIN 1001

The CLIN description has changed from Enterprise Support Services - Task 1 to Enterprise Support Services -.

The CLIN extended description has changed from Enterprise Support Services for Task 1 in accordance with the PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 to Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010.

Task 1	\$439,783.00	Task 2	\$636,522.00	Task 3	\$2,469,153.00	Task 4	\$2,800,844.00	Task 5	\$522,710.00	Task 6	\$335,131.00
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The unit price amount has increased by \$6,743,806.00 from \$460,337.00 to \$7,204,143.00.

The total cost of this line item has increased by \$6,743,806.00 from \$460,337.00 to \$7,204,143.00.

CLIN 1002

The CLIN description has changed from Enterprise Support Services - Task 2 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 2, Subtasks 1, 2, and 3 in accordance with the PWS.

Period of Performance: 01-Oct-2009 to 30-Sep-2010 has been deleted.

The unit price amount \$636,522.00 has been deleted.

The total cost of this line item has decreased by \$636,522.00 from \$636,522.00 to

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UNDEFINED.

CLIN 1003

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, and 15 in accordance with the PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 to .

The unit price amount \$2,242,431.00 has been deleted.

The total cost of this line item has decreased by \$2,242,431.00 from \$2,242,431.00 to UNDEFINED.

CLIN 1004

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description OPTIONAL LABOR Enterprise Support Services for Task 3, Subtasks 12, in accordance with the PWS. This line item is to be negotiated as the requirement arises. Period of Performance: 01-Oct-2009 to 30-Sep-2010 has been deleted.

The unit price amount \$226,722.00 has been deleted.

The total cost of this line item has decreased by \$226,722.00 from \$226,722.00 to UNDEFINED.

CLIN 1007

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 4, Subtasks 1, 2, 3, 5, and 6 in accordance with the PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 to .

The unit price amount \$1,957,730.00 has been deleted.

The total cost of this line item has decreased by \$1,957,730.00 from \$1,957,730.00 to UNDEFINED.

CLIN 1008

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 4, Subtask 4, in accordance with the PWS.

Period of Performance: 01-Oct-2009 to 30-Sep-2010 has been deleted.

The unit price amount \$843,114.00 has been deleted.

The total cost of this line item has decreased by \$843,114.00 from \$843,114.00 to UNDEFINED.

#### CLIN 1009

The CLIN description has changed from Enterprise Support Services - Task 5 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7 in accordance with the PWS.

Period of Performance: 01-Oct-2009 to 30-Sep-2010 to .

The unit price amount \$522,710.00 has been deleted.

The total cost of this line item has decreased by \$522,710.00 from \$522,710.00 to UNDEFINED.

#### CLIN 1010

The CLIN description has changed from Enterprise Support Services - Task 6 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 6, Subtasks 1, and 2 in accordance with the PWS.

Period of Performance: 01-Oct-2009 to 30-Sep-2010 has been deleted.

The unit price amount \$335,131.00 has been deleted.

The total cost of this line item has decreased by \$335,131.00 from \$335,131.00 to UNDEFINED.

#### CLIN 1012

The CLIN description has changed from Enterprise Support Services - Task 7 to Enterprise Support Services - Tasks 1 & 7.

The CLIN extended description has changed from Enterprise Support Services for Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 to Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2009 to 30-Sep-2010 - GOPAX FUNDSTask 1 \$20,554.00Task 7 \$160,446.00.

The unit price amount has increased by \$20,554.00 from \$160,446.00 to \$181,000.00.

The total cost of this line item has increased by \$20,554.00 from \$160,446.00 to \$181,000.00.

#### CLIN 2001

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The CLIN extended description has changed from Enterprise Support Services for Task 1 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 to Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011

Task 1	\$284,554.00	Task 2	\$649,246.00	Task 3	\$2,518,552.00	Task 4	\$2,856,888.00	Task 5	\$533,188.00	Task 6	\$341,833.00.
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The unit price amount has increased by \$6,714,707.00 from \$469,554.00 to \$7,184,261.00.

The total cost of this line item has increased by \$6,714,707.00 from \$469,554.00 to \$7,184,261.00.

#### CLIN 2002

The CLIN description has changed from Enterprise Support Services - Task 2 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 2, Subtasks 1, 2, and 3 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 to .

The unit price amount \$649,246.00 has been deleted.

The total cost of this line item has decreased by \$649,246.00 from \$649,246.00 to UNDEFINED.

#### CLIN 2003

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, and 15 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 to .

The unit price amount \$2,287,299.00 has been deleted.

The total cost of this line item has decreased by \$2,287,299.00 from \$2,287,299.00 to UNDEFINED.

#### CLIN 2004

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description OPTIONAL LABOR Enterprise Support Services for Task 3, Subtasks 12, in accordance with the PWS. This line item is to be negotiated as the requirement arises. Period of Performance: 01-Oct-2010 to 30-Sep-2011 has been deleted.

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The unit price amount \$231,253.00 has been deleted.  
The total cost of this line item has decreased by \$231,253.00 from \$231,253.00 to  
UNDEFINED.

**CLIN 2007**

The CLIN description has changed from Enterprise Support Services - Task 4 to  
RESERVED.

The CLIN extended description has changed from Enterprise Support Services for  
Task 4, Subtasks 1, 2, 3, 5, and 6 in accordance with the PWS.  
Period of Performance: 01-Oct-2010 to 30-Sep-2011 to .

The unit price amount \$1,996,910.00 has been deleted.

The total cost of this line item has decreased by \$1,996,910.00 from \$1,996,910.00 to  
UNDEFINED.

**CLIN 2008**

The CLIN description has changed from Enterprise Support Services - Task 4 to  
RESERVED.

The CLIN extended description Enterprise Support Services for Task 4, Subtask 4, in  
accordance with the PWS.

Period of Performance: 01-Oct-2010 to 30-Sep-2011 has been deleted.

The unit price amount \$859,978.00 has been deleted.

The total cost of this line item has decreased by \$859,978.00 from \$859,978.00 to  
UNDEFINED.

**CLIN 2009**

The CLIN description has changed from Enterprise Support Services - Task 5 to  
RESERVED.

The CLIN extended description has changed from Enterprise Support Services for  
Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7 in accordance with the PWS.

Period of Performance: 01-Oct-2010 to 30-Sep-2011 to .

The unit price amount \$533,188.00 has been deleted.

The total cost of this line item has decreased by \$533,188.00 from \$533,188.00 to  
UNDEFINED.

**CLIN 2010**

The CLIN description has changed from Enterprise Support Services - Task 6 to  
RESERVED.

The CLIN extended description Enterprise Support Services for Task 6, Subtasks 1,

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and 2 in accordance with the PWS.

Period of Performance: 01-Oct-2010 to 30-Sep-2011 has been deleted.

The unit price amount \$341,833.00 has been deleted.

The total cost of this line item has decreased by \$341,833.00 from \$341,833.00 to UNDEFINED.

#### CLIN 2012

The CLIN description has changed from Enterprise Support Services - Task 7 to Enterprise Support Services - Tasks 1& 7.

The CLIN extended description has changed from Enterprise Support Services for Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 to Enterprise Support Services for Task 1, and Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2010 to 30-Sep-2011 - GOPAX FUNDS  
 Task 1 - \$185,000.00 Task 7 - \$163,660.00.

The unit price amount has increased by \$185,000.00 from \$163,660.00 to \$348,660.00.

The total cost of this line item has increased by \$185,000.00 from \$163,660.00 to \$348,660.00.

#### CLIN 3001

The CLIN extended description has changed from Enterprise Support Services for Task 1 in accordance with the PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012 to Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1, and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012  
 Task 1 \$291,949.00 Task 2 \$662,230.00 Task 3 \$2,568,811.00 Task 4 \$2,913,974.00 Task 5 \$543,848.00 Task 6 \$348,673.00.

The unit price amount has increased by \$6,850,536.00 from \$478,949.00 to \$7,329,485.00.

The total cost of this line item has increased by \$6,850,536.00 from \$478,949.00 to \$7,329,485.00.

#### CLIN 3002

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, and 15 in accordance with the PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012 to .

The unit price amount \$662,230.00 has been deleted.

The total cost of this line item has decreased by \$662,230.00 from \$662,230.00 to

UNDEFINED.

CLIN 3003

The CLIN description has changed from Enterprise Support Services - Task 2 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 2, Subtasks 1, 2, and 3 in accordance with the PWS.

Period of Performance: 01-Oct-2011 to 30-Sep-2012 to .

The unit price amount \$2,332,967.00 has been deleted.

The total cost of this line item has decreased by \$2,332,967.00 from \$2,332,967.00 to UNDEFINED.

CLIN 3004

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description OPTIONAL LABOR Enterprise Support Services for Task 3, Subtasks 12, in accordance with the PWS. This line item is to be negotiated as the requirement arises. Period of Performance: 01-Oct-2011 to 30-Sep-2012 has been deleted.

The unit price amount \$235,844.00 has been deleted.

The total cost of this line item has decreased by \$235,844.00 from \$235,844.00 to UNDEFINED.

CLIN 3007

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 4, Subtasks 1, 2, 3, 5, and 6 in accordance with the PWS.

Period of Performance: 01-Oct-2011 to 30-Sep-2012 to .

The unit price amount \$2,036,784.00 has been deleted.

The total cost of this line item has decreased by \$2,036,784.00 from \$2,036,784.00 to UNDEFINED.

CLIN 3008

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 4, Subtask 4, in accordance with the PWS.

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Period of Performance: 01-Oct-2011 to 30-Sep-2012 has been deleted.

The unit price amount \$877,190.00 has been deleted.

The total cost of this line item has decreased by \$877,190.00 from \$877,190.00 to UNDEFINED.

#### CLIN 3009

The CLIN description has changed from Enterprise Support Services - Task 5 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7 in accordance with the PWS.

Period of Performance: 01-Oct-2011 to 30-Sep-2012 to .

The unit price amount \$543,848.00 has been deleted.

The total cost of this line item has decreased by \$543,848.00 from \$543,848.00 to UNDEFINED.

#### CLIN 3010

The CLIN description has changed from Enterprise Support Services - Task 6 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 6, Subtasks 1, and 2 in accordance with the PWS.

Period of Performance: 01-Oct-2011 to 30-Sep-2012 has been deleted.

The unit price amount \$348,673.00 has been deleted.

The total cost of this line item has decreased by \$348,673.00 from \$348,673.00 to UNDEFINED.

#### CLIN 3012

The CLIN description has changed from Enterprise Support Services - Task 7 to Enterprise Support Services - Tasks 1 & 7.

The CLIN extended description has changed from Enterprise Support Services for Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012 to Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2011 to 30-Sep-2012 - GOPAX FUNDSTask 1 - \$187,000.00Task 7 - \$166,937.00.

The unit price amount has increased by \$187,000.00 from \$166,937.00 to \$353,937.00.

The total cost of this line item has increased by \$187,000.00 from \$166,937.00 to \$353,937.00.

#### CLIN 4001

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The CLIN extended description has changed from Enterprise Support Services for Task 1 in accordance with the PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 to Enterprise Support Services for Task 1; Task 2, Subtasks 1, 2, and 3; Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 15; Task 4, Subtasks 1, 2, 3, 4, 5, and 6; Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7; Task 6, Subtasks 1 and 2 in accordance with the attached PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013

Task 1	\$297,529.00	Task 2	\$675,474.00	Task 3	\$2,620,226.00	Task 4	\$2,972,279.00	Task 5	\$554,728.00	Task 6	\$355,644.00.
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The unit price amount has increased by \$6,987,351.00 from \$488,529.00 to \$7,475,880.00.

The total cost of this line item has increased by \$6,987,351.00 from \$488,529.00 to \$7,475,880.00.

#### CLIN 4002

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 3, Subtasks 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, and 15 in accordance with the PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 to .

The unit price amount \$675,474.00 has been deleted.

The total cost of this line item has decreased by \$675,474.00 from \$675,474.00 to UNDEFINED.

#### CLIN 4003

The CLIN description has changed from Enterprise Support Services - Task 2 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 2, Subtasks 1, 2, and 3 in accordance with the PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 to .

The unit price amount \$2,379,652.00 has been deleted.

The total cost of this line item has decreased by \$2,379,652.00 from \$2,379,652.00 to UNDEFINED.

#### CLIN 4004

The CLIN description has changed from Enterprise Support Services - Task 3 to RESERVED.

The CLIN extended description OPTIONAL LABOR Enterprise Support Services for Task 3, Subtasks 12, in accordance with the PWS. This line item is to be negotiated as the requirement arises. Period of Performance: 01-Oct-2012 to 30-Sep-2013 has been deleted.

The unit price amount \$240,574.00 has been deleted.  
The total cost of this line item has decreased by \$240,574.00 from \$240,574.00 to UNDEFINED.

**CLIN 4007**

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 4, Subtasks 1, 2, 3, 5, and 6 in accordance with the PWS.  
Period of Performance: 01-Oct-2012 to 30-Sep-2013 to .

The unit price amount \$2,077,560.00 has been deleted.  
The total cost of this line item has decreased by \$2,077,560.00 from \$2,077,560.00 to UNDEFINED.

**CLIN 4008**

The CLIN description has changed from Enterprise Support Services - Task 4 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 4, Subtask 4, in accordance with the PWS.  
Period of Performance: 01-Oct-2012 to 30-Sep-2013 has been deleted.

The unit price amount \$894,719.00 has been deleted.  
The total cost of this line item has decreased by \$894,719.00 from \$894,719.00 to UNDEFINED.

**CLIN 4009**

The CLIN description has changed from Enterprise Support Services - Task 5 to RESERVED.

The CLIN extended description has changed from Enterprise Support Services for Task 5, Subtasks 1, 2, 3, 4, 5, 6, and 7 in accordance with the PWS.  
Period of Performance: 01-Oct-2012 to 30-Sep-2013 to .

The unit price amount \$554,728.00 has been deleted.  
The total cost of this line item has decreased by \$554,728.00 from \$554,728.00 to UNDEFINED.

**CLIN 4010**

The CLIN description has changed from Enterprise Support Services - Task 6 to RESERVED.

The CLIN extended description Enterprise Support Services for Task 6, Subtasks 1,

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and 2 in accordance with the PWS.

Period of Performance: 01-Oct-2012 to 30-Sep-2013 has been deleted.

The unit price amount \$355,644.00 has been deleted.

The total cost of this line item has decreased by \$355,644.00 from \$355,644.00 to UNDEFINED.

**CLIN 4012**

The CLIN description has changed from Enterprise Support Services - Task 7 to Enterprise Support Services - Task 1 & 7.

The CLIN extended description has changed from Enterprise Support Services for Task 7, Subtask 1 in accordance with the PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 to Enterprise Support Services for Task 1 and Task 7, Subtask 1 in accordance with the attached PWS. Period of Performance: 01-Oct-2012 to 30-Sep-2013 - GOPAX FUNDS Task 1 - \$191,000.00 Task 7 - \$170,283.00.

The unit price amount has increased by \$191,000.00 from \$170,283.00 to \$361,283.00.

The total cost of this line item has increased by \$191,000.00 from \$170,283.00 to \$361,283.00.

**TABLE OF CONTENTS**

The Table of Contents has changed from:

**Exhibit/Attachment Table of Contents**

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Attachment 1 DD 254	2	
Attachment 2	Revised PWS	43	06-MAY-2009

to:

**Exhibit/Attachment Table of Contents**

DOCUMENT TYPE	DESCRIPTION	PAGES	DATE
Attachment 1	Attachment 1 DD 254	2	
Attachment 2	Revised PWS	43	06-MAY-2009
Attachment 3	Revised PWS	31	05-AUG-2009

(End of Summary of Changes)

**PERFORMANCE WORK STATEMENT FOR  
UNITED STATES TRANSPORTATION COMMAND  
MILITARY SURFACE DEPLOYMENT AND DISTRIBUTION COMMAND (SDDC)  
DEPUTY CHIEF OF STAFF (DCS) FOR INFORMATION MANAGEMENT (G6)  
Enterprise Support Services**



**5 August 2009**

## **1. DESCRIPTION OF SERVICES**

### **1.1 Background**

As the Army component of the United States Transportation Command (USTRANSCOM) and a major Department of Army (DA) Command, the Military Surface Deployment and Distribution Command (SDDC) performs a vital role for the Department of Defense (DOD) in deploying, redeploying, and sustaining United States forces worldwide. To facilitate this mission, SDDC has developed a number of integrated transportation systems that support the various DOD functional, financial and operational elements. SDDC's technology programs have increased the efficiency of DOD's business processes.

The Information Management Automated Transportation Division, AMSSD-IMA, is responsible for effectively integrating plans, programs, projects, automated systems, and operations, encompassing a wide range of information management disciplines and transportation functional components. To meet this objective, AMSSD-IMA seeks to minimize redundancy and improve interoperability among SDDC systems, organizational components, business processes, and customers by performing enterprise-wide data management activities, to include: capturing meta data; coordinating systems requirements; centrally managing interfaces; and the integration of new and existing technology to enhance the enterprise network and to support the DOD's net-centric environment. AMSSD-IMA will also focus on improving data integrity by reducing the cost and time required to transform, translate, or research information, define data structuring rules and standards, and planning for the efficient use of and access to information among SDDC organizational components.

### **1.2 Scope**

This PWS contains the requirements to support the SDDC Enterprise Support Services Program, SDDC Data Management (ISDDC/EDE) Program, Enterprise Integration Program (EIP), Service Oriented Architecture (SOA), and Electronic Data Interchange (EDI) Program. The specific tasks are:

**Task Area 1, Contract-Level and Task Order (TO) Management**

**Task Area 2, Data Management**

**Task Area 3, Integrated Surface Distribution Data Cleansing (ISDDC) Maintenance and Sustainment**

**Task Area 4, SDDC Enterprise Integration Program (EIP) Maintenance and Sustainment**

**Task Area 5, Enterprise Electronic Data Interchange (EDI) Maintenance and Sustainment**

**Task Area 6, Service Oriented Architecture (SOA)**

**Task Area 7, SDDC Passenger Systems Maintenance and Sustainment**

The Contractor shall provide specialized systems engineering, technical services and support in developing and effecting policies, procedures, and associated documents needed to conduct the SDDC ESS program. This support will include maintenance and sustainment of new and existing infrastructure, preparation of memos, papers, letters, presentations/briefings, and other correspondence, in addition to leading and/or participating in related ESS conferences and meetings.

Contractor staff supporting Information Assurance Vulnerability Alerts (IAVA), DIACAP or System Administration shall be DOD approved baseline certified at Technical Level II (IAT Level II), and these staff shall qualify with an Information Technology Level II (IT-II) investigative level for users with limited privileged access. In addition, contractor staff managing this work shall be baseline certified at Management Level II (IAM Level II) and require a minimum investigation clearance as an Single Scope Background Investigation (SSBI) investigation TOP SECRET eligibility/access. The contractor shall provide a minimum of 1 IAM Level II staff. Please refer to table AP3-T1 and AP3-T2 in DOD 8570.01-M and table 4-3 in Army Regulation 25-2. See paragraph 5.6. for more detail regarding this requirement.

### **1.3 Specific Tasks**

#### **1.3.1 Task Area 1 Contract-Level and Task Order (TO) Management**

The Contractor shall designate a primary point of contact (POC) to serve as liaison and Technical Manager to the Command on matters pertaining to the acceptance of TOs and will be responsible for ensuring the technical quality and timeliness of requested project deliverables comply with established DOD, DA, USTRANSCOM, and SDDC standards for individual Task Areas. The designee shall participate in formal activity and program management reviews and informal Technical Interchange Meetings (TIMs) as identified in individual Task Orders. The designee shall be certified by the Project Management Institute (PMI) as a Project or Program Management Professional, and this person shall maintain that certification throughout the life of the contract.

**1.3.1.1 Task Order Management Plan** The Contractor shall prepare and provide to SDDC a draft TO management plan within 10 days after award and at the end of each quarter (EOQ) that describes the technical approach and management controls to be employed to meet performance and schedule requirements throughout contract life. The contractor shall develop and maintain a Project Management Plan as a component of the TO Management Plan that at a minimum describes for each Task Area: the weekly milestone schedule, a Communication Plan, a Risk Management Plan, a Quality Assurance Plan, and a Change Control Process.

**1.3.1.2 Milestone Schedule and Monthly Status Report (MSR)** The Contractor shall provide a milestone schedule and MSRs. The MSR is a Microsoft (MS) Word document that shall include as a minimum, the status of all proposed, approved, in progress, and completed activities for each Task Area, any problem areas, anticipated activity for the next reporting period, a description of any travel or unique services planned and provided, and labor category/hours and reimbursable costs expended on the contract, by task. The milestone schedule is a Microsoft Project work breakdown structure that is updated the 3<sup>rd</sup> Friday of each month and also delivered with the MSR. The Milestone Schedule identifies all in progress and planned tasks as they progress to completion. The contractor shall develop and maintain one milestone schedule for each task area. Lowest level tasks in the milestone schedule shall not exceed 4 weeks duration.

**1.3.1.3 Manpower Report** The first Tuesday after contract award, the contractor shall prepare and provide manpower report that identifies each contractor staff working the contract along with contact information (phone, email) and office location. In addition, the contractor shall immediately email the Contracting Officer Representative (COR) and Alternate Contracting Officer Representative (ACOR) noting additions and/or deletions to staff. Changes should also be noted in the MSR.

**1.3.1.4 Meeting Agenda and Meeting Minutes** The contractor shall provide meeting agenda and meeting minutes for all meetings as specified in each Task Area or upon request of the Contracting Officer Representative (COR)/Alternate COR. The contractor shall provide meeting agenda two business days prior to each meeting, and meeting minutes two business days following completion of each meeting.

**1.3.1.5 Technical Recommendation Report** As the contractor identifies opportunities the contractor shall prepare technical recommendation reports to notify the Contracting Officer's Representative or alternate (COR/ACOR) of technical improvement opportunities, including a brief analysis of potential advantages, costs, and organizational impact to implementing the new capability. Technical recommendation reports delivered by the contractor shall include a complete requirements list and price quotes for hardware and software that shall be submitted to the COR/ACOR for review and approval PRIOR TO PURCHASE. The Contractor shall obtain the COR/ACOR approval on the itemized equipment list proposal prior to proceeding with any hardware or software procurement, and shall license hardware and software to SDDC. The contractor shall also deliver the technical recommendation report on 1-May of each calendar year, identifying potential new hardware/software requirements for the following fiscal year.

**1.3.1.6 Contractor Management Report (CMR)** The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor shall report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor

is required to completely fill in all the information in the format using the following web address <https://contractormanpower.army.pentagon.mil>. The required information includes: (1) Contracting Office, Contracting Officer, Contracting Officer's Technical Representative; (2) Contract number, including task and/or delivery order number; (3) Beginning and ending dates covered by reporting period; (4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering date; (5) Estimated direct labor hours (including sub-contractors); (8) Predominant Federal Service Code (FSC) for each sub-contractor if different; (9) Estimated data collection cost; (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information); (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website); (12) Presence of deployment or contingency contract language; and (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country). As part of its submission, the contractor shall provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period will be the period of performance not to exceed 12 months ending September 30 of each Government fiscal year and must be reported by 31 October of each calendar year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the web site. The specific formats for the XML direct transfer may be downloaded from the web site. If you need assistance or have questions about CMR, please contact the CMR Helpdesk by phone at 703-377-6199 or E-mail [contractormanpower@hqda.army.mil](mailto:contractormanpower@hqda.army.mil)

### **1.3.2 Task Area 2, Data Management**

#### **1.3.2.1 Task 2, Subtask 1 – SDDC Data Analysis/Engineering Support**

The Contractor shall provide enterprise-level data analysis and engineering services in support of all G6 automated information systems. Specific systems include Integrated Booking System (IBS), Global Freight Management (GFM), ICODES, Transportation Financial Management System (TFMS), Cargo and Billing (CAB), Global Operational Passenger System (GOPAX), Defense Table of Distances (DTOD), and Integrated Surface Deployment Data Cleansing (ISDDC). The contractor shall analyze and capture the command's data requirements. The analysis shall result in a full understanding and capture of the data, its definitions and relationship to other data. This meta data will be used in support of the Command's net-centric environment, and will result in a high-level, enterprise-wide data model. The contractor shall develop this model at the subject-area or high level Entity Type level for data managed or used by each SDDC system. The contractor shall provide the data models in the enterprise-approved version of Erwin's data modeling tool (current approved version is 7.2); the contractor shall deliver the enterprise-wide data model on or before 31 March 2009, and updated 15 September every year.

The contractor shall develop and maintain a logical and physical data model for each of the SDDC programs assigned. The contractor shall ensure these products conform to the DOD Architecture Framework (DODAF), and will be updated for each major program release. Note: the Operational View (OV) -7 is the logical data model and the System View (SV) -11 is the physical data model. Typically, the models will be required for each major program release. The first draft for all models is due 30-June 2009.

The contractor shall support Command and USTRANSCOM data standardization efforts by performing cross-functional data model reviews and reviewing Cross-Corporate Model Review (CCR) packages sent by USTRANSCOM. The Contractor shall prepare necessary submission proposal packages for the enterprise for inclusion of new and/or modified data elements in USTRANSCOM's Data Models in accordance with USTRANSCOM's data management policies. Packages are usually prepared within ten (10) working days after discovery of requirement. USTRANSCOM's two primary data models are for (1) reference data, and (2) exchange data. The Contractor shall participate in USTRANSCOM and DOD wide data management activities.

The Contractor shall support SDDC and USTRANSCOM community of interest (COI) efforts, to include the Joint Distribution Data (DD) COI and its working groups. Specific activities will include participation in COI meetings, summits, working groups, etc. The contractor shall produce relevant documentation, as required by the COR/ACOR. For example, the contractor may be required to prepare trip reports for meetings they attend.

The Contractor shall be required to capture metadata within a Government-approved, automated capability in order to retrieve and report on the data for various data calls. The contractor shall provide a capability to export the data from the data store for various data calls; for example, USTRANSCOM technical analysis, data for architecture products, data to support COI efforts, and data to input into DoD's data repositories. A yearly backup of the metadata repository will be required, on or before 15 September of each contract period.

#### **1.3.2.2 Task 2, Subtask 2 – SDDC Data Quality Support**

The Contractor shall provide support in analysis and identification of data quality issues for the Command. This task will require coordination with SDDC Program Managers and with the Enterprise Data Management office. The contractor shall identify and analyze potential data gaps as well as possible duplication where there might be opportunities for developing web services and sharing data across systems. The contractor shall support SDDC and USTRANSCOM data quality efforts, to include support to the Joint Distribution Data Community of Interest (COI) working groups, specifically the Data Quality Working Group.

#### **1.3.2.3 Task 2, Subtask 3 – SDDC Data Exchange Support**

The contractor shall provide technical support to SDDC's Program Managers and to SDDC's data management program by analyzing, capturing, designing/redesigning, and implementing data exchanges for the Command at the enterprise level. The contractor shall support the Command's Electronic Data Interchange (EDI) and extensible markup language (XML) efforts.

The Contractor shall document meta-data as required to support SDDC data elements and DOD approved American National Standards Institute (ANSI X12) standard Electronic Data Interchange (EDI) transaction datasets. The contractor shall support the Command and USTRANSCOM in the development of enterprise-wide exchanges; this support will include support of USTRANSCOM's Defense Transportation Exchange Board (DTEB) activities. The contractor shall work with G6 program managers and developers to develop enterprise-wide XML schema (contracts), Web Services Description Language (WSDLs), mappings, and other artifacts required to implement information services within the enterprise. The contractor shall deliver initial exchange packages within 10 days after discussions. The Contractor shall be required to capture metadata within a Government-approved, automated capability in order to retrieve and report on the data for various data calls. There must be a capability to export the data from the data store for various data calls; for example, USTRANSCOM technical analysis, data for architecture products, data to support COI efforts, and data to input into DoD's data repositories. (Reference task 2, Subtask 1) The contractor shall deliver any requested data exchange architecture products within 30 days of request.

### **1.3.3 Task Area 3, Integrated Surface Distribution Data Cleansing (ISDDC) Maintenance and Sustainment**

#### **1.3.3.1 Task 3, Subtask 1 – ISDDC Support**

ISDDC is a Commercial-Off-the-Shelf (COTS) based system that extracts, validates, transforms and loads data from multiple DOD surface transportation and payment systems into a centralized data management and reporting application. The ISDDC architecture currently features a 3-tiered approach incorporating web, application, and database layers. COTS product implementations include the COGNOS 7 and 8 reporting toolsets, Informatica PowerCenter 7.4 / 8.x Extract, Transform, and Load (ETL) toolsets, Oracle 10g / 11g RDBMS, GIS toolsets, and data level security toolsets. The contractor shall perform the following tasks for Task Area 3:

- a. All maintenance activities required to sustain existing automated data acquisition and reporting capabilities.
- b. Database and application requirements design, development, test, documentation, training, delivery, and deployment of new and/or modified ISDDC capabilities.
- c. Systems engineering reconfiguration and performance management support for development, test, integration test and production Windows and UNIX environments.
- d. Automated data acquisition process monitoring and troubleshooting for all source systems.
- e. Requirements analysis of new ISDDC requirements and proposed modifications, not to exceed 15 new requirements and proposed modifications per quarter.
- f. Develop, test, and implement a minimum of 4 "high priority" change requests per quarter. The Configuration Manager and Program Manager maintain the ISDDC priority list, and at the end of each quarter the contractor shall coordinate with the COR/ACOR to determine which change requests will be scheduled for development the next quarter.
- g. Program and database life cycle support documentation.

- h. Documentation, including software and configuration management throughout the software development life cycle.
- i. Source System Interface Design Documentation
- j. Configuration Control Board (CCB) and Tier-II level support.
- k. Support the TRANSCOM Capabilities Based Assessment (CBAT) process.
- l. Contractor shall provide requirements and design documents within 5 business days of task completion.
- m. The contractor shall develop and support training materials that can be posted online and shared in a variety of formats. The contractor shall present alternatives to the COR/ACOR, and upon COR/ACOR approval the contractor shall procure an inexpensive tool that the contractor shall use to implement the training materials.

### **1.3.3.2 Task 3, Subtask 2 – Integrated Surface Deployment Data Cleansing Tool (ISDDC) Maintenance & Sustainment**

The contractor shall:

- a. Apply necessary detailed data and related business rule knowledge in the maintenance of ETL workflows, tasks, sessions, supporting more than 300 highly complex mappings and more than 1500 business rule specific transformations.
- b. Manage, tune, update, and perform backups of development, test, and production environments, staging and deployment database environments supporting more than 100 gigabytes of data storage for more than 100 million rows of relational and star schema data.
- c. Maintain and update scripts, procedural routines, and automated emails directly supporting daily source system data acquisition processing. Coordinate with source system technical points of contact as required.
- d. Analyze new requirements and proposed modifications identified by the ISDDC Program Manager and CCB. Conduct detailed impact analyses to the current baseline as required. Appendix C outlines some potential program enhancements.
- e. Compile Software Development Folders and Unit Test Plans for all software changes. Develop Deployment/Release Plans as identified by the ISDDC Program Manager. Develop and/or update program specific Software Version Descriptions for all reporting tool and ETL software components, including detailed installation instructions.
- f. Develop and maintain system documentation, including description of all scripts, procedures and automated emails; dependent and predecessors processes; process folder location; ETL workflows, business rules, and transformations; interface specifications; data models and data definitions. The contractor shall deliver system documentation within 90 days after contract award; updated system documentation will be required for each major release.
- g. Develop and maintain database, system administration, and user manual documentation as required. The contractor shall develop and deliver a Software User Manual or an automated Help File within 30 days of contract award.
- h. Prepare and manage a configuration management plan (CMP), perform configuration identification and control, develop plans and documentation for the identification of configuration items, and perform configuration status accounting for ISDDC software development efforts. The contractor shall provide the initial CMP within 45 days after contract award. Configure and maintain the Serena Team Track and Version manager toolsets to support automated workflow management of Software Change Request (SCR) processing.
- i. Assess where data quality currently is inadequate and develop a quarterly Data Quality Report recommending procedures for improving and maintaining data quality and metadata documenting data load and data quality metrics specific to each source system processing. Provide automatic email notification to source system points of contact documenting data rejection specifics.
- j. Develop, test, and implement new capabilities within ISDDC to track and report on surface transportation movements worldwide. Examples of new capabilities that may be required:
  - (1) Incorporate the reporting capability of the Pipeline Asset Tool (PAT).
  - (2) Incorporate the detention calculation / business rules of IBS-CMM.
  - (3) Incorporate rail and rail car reporting capabilities.

### **1.3.3.3 Task 3, Subtask 3 – ISDDC Tier II/III Help Desk Support**

The Contractor shall provide 8/5 Help-Desk (Tier II/III) support to the ISDDC PM and SDDC customers allowing them to escalate problems to the SDDC HQ location. The ISDDC Tier II/III Help Desk Support will include the

detailed analysis and troubleshooting of problems that have been referred from Tier I; log problem status and resolution information in the ticketing database; and identify trends and areas for improvement. In addition, Tier II Help Desk Support may be called upon to perform a variety of administration tasks such as providing application training to Tier I personnel, answering email from ISDDC users, and notifying Tier I and the user community of planned system outages and technical issues. Notification of downtime will follow SDDC processes.

#### **1.3.3.4 Task 3, Subtask 4 – ISDDC Configuration Control Board (CCB) Support**

The Contractor shall provide configuration management support, and shall coordinate with the SDDC enterprise change management team prior to implementing Integration or Production changes. This will include the following:

- a. Development of a Change Request Form, or an automated method to request changes. The contractor shall deliver this capability within 15 days of contract award.
- b. Receipt and Review of Change Request Forms
- c. Conduct initial Review of Change Request Forms
- d. Develop agenda and briefing package for distribution to the CCB members for review at least 2 days prior to the meeting
- e. Schedule CCB meetings at least quarterly
- f. Provide CCB meeting support
- g. Prepare and distribute CCB minutes at least within 2 days of the meeting
- h. Update CCB change request database as required
- i. Participate in EIP change management process development and process execution

#### **1.3.3.5 Task 3, Subtask 5 – ISDDC System, Application, and Data Security Support**

The Contractor shall:

- a. Apply advanced system security skills to manage the multi-layered security features including Hypertext Transfer Protocol (HTTP) with Security HTTPS, Secure Socket Layer (SSL), and DOD PKI certificate management.
- b. Continue to support the implementation of end user access through the SDDC ETA Single Sign-On (SSO) capability and maintain the existing API interface with ISDDC such that management of user authentication is transparent to the end user. Apply detailed knowledge of Access Manager and its proprietary Lightweight Directory Access Protocol (LDAP). Maintain the existing data level security features integrated with the Access Manager tool.

#### **1.3.3.6 Task 3, Subtask 6 – ISDDC Reporting Capability Sustainment**

The Contractor shall:

- a. Continue to maintain and upgrade the Cognos 7.3 / 8.x portal application, Access Manager, and all government specified Ocean Cargo, Freight, Container Management, Personal Property, Passenger, and Financial data and metadata reporting tools to include multidimensional Online Analytical Processing (OLAP) and PowerPrompts Impromptu Web Reports (IWR) tools. These tools are often designed with a nesting capability and include summary level and detail transactional reporting, with links for drill through to further detail. All reporting tools include detailed help features.
- b. Upgrade ISDDC from Cognos 7 to Cognos 8. Develop, test and implement Cognos 8 not later than 30-November 2009.
- c. Maintain existing and develop new Cognos 8 functionality utilizing Cognos Connection, Analysis Studio, Report Studio, and Query Studio, as well as event management and performance metrics reporting across all program areas. Manage and maintain all user authentication, role management, and data level security functions.
- d. Maintain existing and develop additional GIS mapping capabilities dynamically drawing from the ISDDC data stores to visually illustrate current shipment specific metrics in a real time context.

#### **1.3.3.7 Task 3, Subtask 7 – Data Acquisition Maintenance**

The Contractor shall:

- a. Apply knowledge of DOD and commercial transportation related data sources in order to maintain existing ETL and scripting processes tailored to receive, cleanse, enhance and transform data captured and managed

by the following system sources: PowerTrack, Global Freight Management (GFM), Worldwide Port System (WPS) and its follow-on WPS-GATES (Global Air Transportation Execution System), Integrated Booking System (IBS), and many other systems to include, but not limited to: Cargo Movement Operations System (CMOS), IBS-CSS, DSS, THIST, TEDI, OTO, CMST, TRATE, Carrier EDI 315, Defense Table of Distances (DTOD), DOD Travel Reservation Contributors, Transportation Financial Management System (TFMS), Cargo and Billing System (CAB), and Defense Personal Property System (DPS).

- b. Monitor exchange file, database, and data related characteristics unique to each source entity, and automatically generate alert emails to originating system POC when source data characteristics are inconsistent with predefined interface requirements. Work with source system points of contact to troubleshoot problems in order to minimize interruptions in reporting continuity.
- c. Identify source system schema changes and resulting ETL and scripting adjustments as well as updates to interface specifications, reflecting all interface changes as required. Maintain quality assurance procedures with formal testing of all software changes.
- d. Research the feasibility of integrating new source systems as directed.
- e. Develop new ETL and scripting processes tailored to receive, cleanse, enhance and transform data captured and managed by SDDC and other DoD related systems. Integrate new data within existing data structures, or develop new structures as required, and incorporate new data within existing reporting capabilities. Work with source system points of contact to define interface specifications and troubleshoot problems. Examples of such development might include Radio Frequency Identifier (RFID) data, PowerTrack data from US Bank, DPS data, etc.
- f. The contractor shall deliver required interface documentation, such as Memorandums of Agreements (MOA) and Interface Design Documents (IDDs). MOAs will be delivered within 30 days of initial talks with new interface partner; IDDs will be delivered as directed by COR. Existing IDDs will be reviewed at least annually to ensure they are still current.
- g. Serve as primary point of contact with Enterprise Integration Program (EIP) systems administrators regarding both EIP test and production Informatica application specific issues.
- h. Document and maintain Software Version Descriptions, release test cases, and test results as required.
- i. Analyze possibility of using USTRANSCOM's reference data tool: TRANSCOM's Reference Data Management (TRDM) system, for required reference data. The government's goal is to acquire all reference data from TRDM by the end of FY10. However, until the capability is fully operational, the contractor shall:
  - i. Maintain existing ETL processes and design/develop new ETL processes for automatic update of routinely changing reference data sets.
  - ii. Write interface design specifications documenting data acquisition assumptions for each authoritative reference data set.
  - iii. Maintain inventory and develop new inventories of both DOD generic and source system specific reference data sets through periodic data acquisition from authoritative sources. Maintain and develop integrated reference data sets from multiple authoritative sources.
  - iv. Follow USTRANSCOM's documented processes to acquire reference data from TRDM and work with other G6 data personnel to capture required metadata as required by USTRANSCOM's data management handbook.

#### **1.3.3.8 Task 3, Subtask 8 – Data Services Maintenance**

The Contractor shall:

- a. Maintain existing XML data services capabilities and develop new XML data services capabilities as required. The contractor shall strive to reuse existing services that may be available from originating source systems or other Communities of Interest.
- b. Maintain existing PowerTrack paid invoice data services in support of the SDDC Resource Management staff requirements for Monthly Billing Statement certification required by Defense Finance and Accounting Service (DFAS).
- c. Build and maintain data exchange services to provide cleansed surface transportation data to other automated systems as required. For example, build capability to provide surface transportation data in an EDI format accessible by other automated systems; and build a common data service that can be called by other transportation systems, such as IRRIS and IGC.

### **1.3.3.9 Task 3, Subtask 9 – Conduct Formal Testing as an Integral Component of overall Product Quality Assurance**

The Contractor shall:

- a. Develop test plans that identify the specific test objectives, test team, test result stakeholders, and expected timeframes for test execution and completion.
- b. Manage and implement rigorous backend testing of all developed applications, including scripts, procedures, ETL and Cognos related software entities.
- c. Apply advanced level Oracle SQL skills to verify ETL mapping/transformation results as well as report content.
- d. Apply application design specifications to develop detailed test cases matching the scope and complexity of the tested entity.
- e. Generate test data specific to the software entity requirements and develop additional queries to validate target report content or data stores.
- f. Develop data acquisition test cases specific to each ETL phase and for both baseline and update scenarios.
- g. Utilize the data source and input type specifics to determine and document the complexity and scope of each test.
- h. Determine the scope of test requirements and ensure that the range of testing will include duplicate data identification and metadata capture to complex integration of multiple data sources to detailed algorithm based testing.
- i. Utilize the results of test analysis to generate test cases and data as well as additional queries that validate target schema contents.
- j. Develop test cases for the content of each table in the schema for each phase and cycle, for each value derived from the source data and for each data element validated against an accepted reference table.
- k. Develop test cases for Multidimensional, PowerPrompt, and Impromptu reporting tools to verify that all report requirements are met at the lowest level, at the same time ensuring that the intended user can access and retrieve the desired data.
- l. Develop tests cases which focus on objects and data content of the user interface when navigating the Hypertext Markup Language (HTML) pages, the PDF report or PowerPlay tool.
- m. Develop tests cases to test for erroneous data entry as well as testing of various combinations of filter criteria based on randomly selected combinations. Developed test cases shall include specific mitigation processes for handling erroneous source system data.
- n. Develop test capability to verify report content.
- o. The contractor shall develop test plans within 10 days of test execution, test cases within 10 days of conducting tests, and test results within 5 business days. The contractor shall deliver test plans, test cases, and test results the end of each quarter or upon COR/ACOR request.

### **1.3.3.10 Task 3, Subtask 10 – With a resource in the St. Louis Metro East area, manage ISDDC Cognos and Informatica Hardware/Software Configuration in Development, Test, and the EIP Integration and EIP Production Environments**

The Contractor shall:

- a. Apply working knowledge and configuration skills in an n-Tier enterprise architecture and network topologies.
- b. Apply thorough knowledge of Sun Microsystems and Dell PowerEdge servers, installation, and hardware configurations, to include Fiber Channel, SCSI, RAID, 10/100/1000 Ethernet, SAN, and DAS devices.
- c. Perform installation, configuration, maintenance, and securing Solaris 9/10 UNIX and Windows 2003 Enterprise Edition x86 Operating Systems to DOD security standards. Upgrades to hardware, firmware, and software may be required.
- d. Provide systems administrators with demonstrated ability to apply knowledge of the NetCentric DOD network accreditation process.
- e. Perform disaster recovery planning. The contractor shall deliver an updated Disaster Recovery Plan by 10-July 2009; semi-annual updates will be required.
- f. Establish and maintain communications between ISDDC source systems, PowerCenter components and Oracle databases, and perform upgrades as required, including integration of load balancing and high availability components.

**1.3.3.11 Task 3, Subtask 11 – ISDDC Geographic Information System (GIS)**

The Contractor shall:

- a. Extend the ISDDC GIS features to improve in-transit visibility from source to destination. At a minimum, the application shall be tailored to meet the following operational requirements:
  - Report on cargo “on-hand” at a port (i.e., all cargo received, but not manifested plus all cargo discharged but not out-gated)
  - Ability to filter foreign military sales (FMS) cargo
  - Ability to filter unit cargo
  - Ability to filter by UIC/DODAAC
  - Ability to uniquely identify MSC-chartered, grey bottom, and commercial vessels
  - Add RF interrogator positions and X6 reporting locations to the map, to include metrics
  -

**1.3.3.12 Task 3, Subtask 12 – Enhance In-land Reporting Prototype (Executed Optional Task)**

*The task shall be executed at the discretion of the Government by Modification*

1.3.3.12.1. The Contractor shall:

- a. Implement an automated method of receiving and ingesting carrier provided data for displaying worldwide shipment movements
- b. Enhance in-land shipment In-Transit Visibility (ITV) using IBS-CME shipment and other external source event data, such as RF identification data, and data from rail carriers.

**1.3.3.13 Task 3, Subtask 13 – SDDC Training and Demonstrations**

The Contractor shall:

- a. Provide at least one functional expert to provide demonstrations and training on an as-needed basis. This expert shall be located at or near the SDDC HQ location at Scott Air Force Base.
- b. Design, develop and implement effective instructional materials, including the development of documentation, planning documents, training manuals, and technical support documentation

**1.3.3.14 Task 3, Subtask 14 – SDDC Training Materials (Optional Task)**

*The task shall be executed at the discretion of the Government by Modification*

1.3.3.14.1. The Contractor shall develop computer-based training systems/curricula and multi-media instructional materials. (Optional)

1.3.3.14.2. This task shall be executed at the discretion of the Government. The Government will provide the contractor with a request for proposal based on the specific task to be accomplished. The Contractor shall provide a proposal breaking out the labor categories/rates and number of hours to accomplish the task, after accomplishment of negotiations, the Government will process a modification to the task order.

**1.3.3.15 Task 3, Subtask 15 – Cognos 8 Enhancements**

The Contractor shall provide:

- a. Automated reporting capability and E-mail exception alert reporting.
- b. Repeated, auto-generation of additional customized reporting tools as requirements are identified.

1.3.3.16. Task 3, Subtask 16 –

*The task shall be executed at the discretion of the Government by Modification*

1.3.3.16.1. PowerPlay for Excel client integration tool implementation (Will require purchase of additional software through ODC)

1.3.3.16.2. This task shall be executed at the discretion of the Government. The Government will provide the contractor with a request for proposal based on the specific task to be accomplished. The Contractor shall provide a

proposal breaking out the labor categories/rates and number of hours to accomplish the task, after accomplishment of negotiations, the Government will process a modification to the task order.

#### **1.3.4 Task Area 4, SDDC Enterprise Integration Program (EIP) Maintenance and Sustainment**

EIP is a program to modernize and centralize system administration and configuration management support to the SDDC unclassified computing environment on a common architecture. EIP currently includes the integration of over 40 SDDC systems into a multi-tiered architecture. Please reference Appendix D, EIP Information. SDDC is interested in expanding EIP to include application level administration and configuration management and migration of all SDDC web-based applications to a common EIP architecture.

On-going modernization has resulted in an optimized enterprise infrastructure of hardware, software, network, and telecommunications within the facilities at HQ SDDC, Scott AFB. The new enterprise architecture is based on a 3-tiered environment utilizing Unix, Solaris and Windows operating systems that includes a web layer, application layer and database layer. In addition, an EMC Storage Area Network (SAN) is utilized to manage storage.

##### **1.3.4.1 Task 4, Subtask 1 – Maintenance and Sustainment of SDDC Systems**

The contractor shall provide technical engineering support of the SDDC Production, Integration and Continuity of Operation (COOP) environments for all EIP systems shown in Appendix D and the following non-EIP systems:

- a. TFMS
- b. SPSSUN
- c. SPSI
- d. PRWEB
- e. EIPPFTM
- f. Citrix servers
- g. KVM's
- h. Enterprise backup solution (disk and/or tape) and system restore support
- i. Xacta
- j. CIDSS – will be removed in FY10

Additionally, the contractor shall provide technical engineering on-site support as needed for Global Freight Management (GFM) and Integrated Booking System (IBS) COOP site.

The contractor shall facilitate weekly (up to 3 per week) COOP meetings with SDDC Program Management and DISA DECC. The contractor shall produce an agenda and meeting minutes as described in Task 1 of this PWS.

The contractor shall provide application installation and configuration support to Program Managers at SDDC's COOP site. The contractor shall facilitate discussion with Application PM support staff to produce application install and configuration documentation that might be used for reference in sustaining and supporting PM applications at COOP.

Technical Engineering Support includes, but is not limited to: system administration; database administration; Infrastructure Management; data backup and restore capability; system administration and maintenance including software, hardware, and security related upgrades/patches. The contractor shall perform technical engineering and support both proactively and in response to findings such as Information Assurance Vulnerability Assessment (IAVA) reports. This work includes implementing new solutions, patches and upgrades in Production, Integration and COOP environments. The contractor shall also provide technical support to development and test environments, as needed.

The contractor shall perform technical engineering and support for the EIP systems defined in Appendix D and non-EIP systems defined in items a-j above. The production environment to be supported includes approximately the following number of servers: 88 Sun (42 EIP); 44 Windows (30 EIP); several Cisco Switches and Avocent Keyboard/Video/Mouse (KVM), and 1 Powervault. The contractor shall provide technical engineering support including, but not limited to the following tasks:

- a. Provide network, application and database support to developers.
- b. Provide network, application and database support to the SDDC G6 for proposed infrastructure changes.
- c. Maintain load balancing, fail over procedures, and automated testing support utilizing SDDC provided tools.

- d. Provide support, installation and maintenance of an enterprise backup and recovery solution
- e. Provide proactive monitoring on the core operating systems and databases on all production systems.
- f. Coordinate and cooperate with Program Managers (PM) and their Points of Contact (POC) to support DOD Information Assurance Certification and Accreditation Process Guidance (DIACAP) certifications to help them maintain their Authority to Operate (ATO). Provide hardware/software/network/application support to facilitate 3<sup>rd</sup> party Security Accreditation testing.
- g. Facilitate meetings with application PMs and their POCs in the development and maintenance of Service Level Agreements (SLA's). Provide an agenda prior to the meeting and minutes after the meeting. Service Level Agreements shall include, but is not limited to: application technical and software requirements and architecture; release and change control processes; points of contact including roles and responsibilities; escalation procedures; Mission Assurance Category (MAC) level; and application recovery procedures. The contractor shall produce SLA's for all EIP systems by 30-September 2009. Prior to migrating any additional systems to the EIP environment, the contractor shall develop and produce SLA's approved by the migrating PM and COR.
- h. Develop and maintain documentation, including rack layout and design, server and hardware characteristics, operating system and related software, systems supported, architecture documentation and application SLA's for every EIP System. The contractor shall provide updated Documentation at EOQ.
- i. Perform infrastructure Analysis, New Technology Research, and future planning. Perform a lead role in an Enterprise Configuration Change Control board, recommending and implementing technically and fiscally responsible solutions supporting SDDC automated systems
- j. Provide subject matter expertise in support of standing up and maintaining a functioning COOP environment, including all EIP, non-EIP, and systems planned for migration to EIP. The contractor shall also support the inclusion of EDI COOP capability.
- k. Perform system and application administration of the EIP Integration, Production and Continuity of Operations (COOP) Environments including security patches and reporting. Assist the Network Operations Division as required. Perform Backup/Restore/Recovery of Integration and Production Environments, including, but not limited to: daily backups; catalog tapes; maintain tape inventory; send/receive tapes to/from off-site storage; perform restores as required; exercise disaster recovery plan, as required; and design and implement data replication from Production to COOP.
- l. Develop and conduct incremental preliminary acceptance testing for the architecture layers as implemented and assist the Government in formal acceptance testing procedures.
- m. Develop and maintain an EIP web site that publishes information to Program Managers and POCs, such as, but not limited to: EIP program and technical contact information, application requirements, documentation templates, service level agreements, configuration management plans and policies. The EIP web site includes information concerning both EIP as well as non-EIP systems planned for migration to EIP (see appendix D), and the contractor shall provide a first draft of the web site 30 days after contract award and continuously update and improve the site.
- n. Provide PM and POC training in the use of above web site that includes, but is not limited to: configuration management standards; EIP policies and requirements; SLA's; roles and responsibilities.
- o. Develop and maintain a Systems Administration Logbook. The logbook shall contain hardware/software descriptions, configuration files, custom scripts, startup/shutdown and backup/recovery procedures, system changes and problem resolutions. The contractor shall deliver this logbook the last workday of each month.
- p. Develop and maintain a monthly report of server maintenance actions to include hardware and software and planned maintenance actions for the current and next month, including proposed scheduled maintenance activities. The contractor shall provide the COR/ACOR with completed Application Service Interruption (ASI) forms at least 10 days prior to any planned server maintenance that will result in system downtime. The COR/ACOR will provide the contractor with ASI form templates.
- q. Immediately notify the COR/ACOR upon identification of any unplanned system downtime. The contractor shall provide an Outage Report documenting the failure. Reports shall state the nature of the failure, current status and estimated time to resolve if not yet resolved, and provide root-cause analysis, diagnosis, and recommendations to prevent future occurrences. The documentation shall be delivered to the COR/ACOR within 2 days of failure.

The contractor shall provide system and database administration support specific to the EIP environment, including, but not limited to, support of:

- a. Veritas and Microsoft clusters and configurations.

- b. Solaris 10 and Windows 2003 Advanced Server with virtualization
- c. Foundry load balancing
- d. EMC Storage with redundancy
- e. Sun Java web/app servers
- f. Oracle 10g Database and Oracle app servers installation, configuration and maintenance
  - i. install, configure and maintain Oracle RDBMS with partitioning, Data Mining and OLAP Data Warehousing;
  - ii. Oracle SQLNet data communications to support the interface between the PowerCenter and Cognos applications
  - iii. establish and maintain optimal tuning in all database environments in accordance with Oracle data warehousing design and maintenance best practices.
- g. Cognos Application Server
  - i. configure Cognos application components using Cognos Configuration Manager for optimal server performance;
  - ii. install and configure Cognos 8 for UNIX and Windows;
  - iii. plan and execute the transition from Cognos Series 7 to Cognos 8
- h. Informatica PowerCenter 7/8
  - i. Install, configure and maintain Informatica PowerCenter 7/8 64 bit components in the PM server, repository servers, and Oracle 10g databases
- i. SAN Storage - EMC DMX 2000
- j. Cisco Firewalls and DMZ
- k. install, configure, and maintain SunOne Java enterprise system web servers, Cognos SSO SDK, Cognos Gateways for UNIX, Cognos Series 7 UpFront, Impromptu Web Reports, Impromptu Administrator, Access Manager, PowerPlay Enterprise Server, and PowerPlay Client for windows

#### **1.3.4.2 Task 4, Subtask 2 – Application-level Administration and Configuration Management**

Currently, application teams for systems hosted in EIP have full access to all environments to perform application administration, and application configuration management (application changes). The contractor shall develop plans that might allow SDDC to move toward centralizing full Application level administration and configuration management (CM) for current EIP systems (Appendix D).

The contractor shall also support SDDC in moving toward full system and application level administration and CM for current non-EIP systems listed in subtask 1 and also those included in Appendix D list of Targeted Systems to Plan Migration into EIP.

On a system-by-system basis, and upon COR/ACOR and G6 leadership approval, application team responsibility will shift to having full access to development servers, limited access to test servers, and very restricted or no access to integration, production, and COOP environments. The EIP team will be fully responsible for integration, production, and COOP environment configurations and administration.

Weekly, the contractor shall facilitate change management meetings with SDDC Program Managers and their points of contact. The contractor shall produce an agenda and meeting minutes as described in Task 1 of this PWS. The contractor shall develop and maintain a change request ticketing document until the COR/ACOR purchases and installs a change management software tool. Within 30 days of receipt, the contractor shall install and sustain the change management tool for SDDC use, and provide 2 training sessions to accommodate all PM's and POC's. The COR/ACOR expects to receive a ticketing and change management support tool, Serena Mashups, by end of FY09 or early FY10 and expects to purchase 15 days of vendor support so that the contractor may work with the vendor to install and configure the software

The contractor shall:

- a. Develop an executable enterprise CM plan to shift responsibility for application administration of all SDDC EIP and non-EIP systems to a centrally managed CM team that executes approved requests for application changes to the Production and Integration environments. At a minimum the plan shall include stakeholder roles and responsibilities, CM processes, required forms and approval processes, transition

plans to execute the CM shift in responsibility. The contractor shall provide this plan 120 days after contract award.

- b. Develop and maintain an enterprise level configuration management standard that each system would adhere to as its baseline for how a central CM team would support their respective infrastructure and application software. Facilitate and coordinate with PM's and POCs in the development and continual improvement of Enterprise Configuration Management (server, operating system and application levels) process standards, and provide support in SDDC's attempt to implement this standard for all systems. The contractor shall provide this plan 120 days after contract award and provide an updated standard semi-annually.
- c. Develop and maintain Configuration Management (CM) process documentation for each EIP system, specifically noting those that deviate from the standard.
- d. Meet with PM and their points of contact to gather information required for deliverables in this subtask and to document current CM practices. The contractor shall provide an agenda prior to each meeting and minutes after each meeting.

#### **1.3.4.3 Task 4, Subtask 3 – Enterprise Integration Program (EIP) – Migration Planning**

The contractor shall develop an executable plan to consolidate SDDC systems toward a centralized Information Technology (IT) operations center. The contractor shall include a benefit/cost analysis as part of this plan. The Contractor shall:

- a. Participate as a subject matter expert in a Lean Six Sigma (LSS) project with an objective to develop an EIP Migration Plan that consolidates SDDC systems on one set of centrally managed servers. Reference Appendix D, Targeted Systems to Plan Migration to EIP.
- b. Participate in meetings with LSS team and SDDC staff, and develop and provide meeting agenda and meeting minutes as directed by the COR/ACOR
- c. Develop and maintain an EIP System Migration Plan. The contractor shall provide a draft plan that describes the LSS Common Architecture project objectives and how they will be accomplished. The documentation included in the plan shall consist of a milestone schedule, test plan for each migrating system, issues and risks, benefit/cost analysis, stakeholder roles and responsibilities, and the EIP documentation of the current system described in item c of Subtask 1. The contractor shall provide a draft Migration Plan at EOQ. The contractor shall provide a high level draft on first delivery thirty (30) days after contract award, but the COR/ACOR will expect significantly more detail by the end of the first full quarter of contract execution, 31-Dec 2008, and continual improvements and details upon subsequent deliveries. The first delivery draft shall include information about every system to be migrated.
- d. Facilitate and coordinate with PM and POCs to develop and continually improve upon Enterprise Configuration Management standards (server, operating system and application levels) and processes. Provide an agenda prior to each meeting and minutes after the meeting.
- e. Within 10 days of LSS project completion date as determined by the COR, deliver an executable, detailed plan that includes identification of milestone tasks, estimated timelines, costs, benefits, risks to accomplish the following: migrate SDDC systems to the EIP environment; consolidate System Administration responsibilities to one core SDDC team; consolidate Application and System Configuration Management for Production and Integration environments to one core SDDC team.

#### **1.3.4.4 Task 4, Subtask 4 – EIP Migration Execution (Executed Optional Tasks)**

*This task shall be executed at the discretion of the Government by Modification*

1.3.4.4.1. The contractor shall support the migration of SDDC systems to a centralized IT operations center. The Contractor shall:

- a. Migrate and test systems from their existing architecture to EIP. Migration will include integration and production environments. Migrating systems include, but are not limited to, the following:
  - Base Period Of Performance
    - SafetyNet
    - Transportation Financial Management System (TFMS)
    - SDDC Intranet Site (renamed SDDC Sharepoint Portal)
  - Option Year 1
    - Global Freight Management (GFM) system,
    - Integrated Booking System (IBS)

- Electronic Transportation Acquisition (ETA)
  - Combined Data Toolset (CDT)
  - Collaborative Information Workstation (CIW)
  - SDDC Architecture Tool
- b. Provide enterprise systems integration and engineering, documentation, migration, implementation, and testing support.
  - c. Execute the migration efforts and tests to ensure that:
    - All EIP infrastructure and application components are installed and configured correctly
    - All enterprise applications deemed suitable for migration have been tested and found to be both functionally and operationally ready for transition to the EIP production environment.
  - d. Develop and maintain a migration test plan for each system that includes, but is not limited to: tasks, milestones, assumptions, risk, and risk mitigation strategies. The contractor shall provide the migration test plan 30 days after start of optional task, and update the plan every quarter until all systems are migrated.
  - e. Document and maintain status of migration and migration testing in the task 1 milestone schedule and monthly status reports.
  - f. Develop and conduct incremental preliminary acceptance testing for the architecture layers as implemented and assist the Government in formal acceptance testing procedures.
  - g. Develop and revise EIP documentation as applicable based on test results and changes in migration strategy. The contractor shall provide documentation as described in subtask 1.3.4.1
  - h. Upon migration, the contractor shall sustain the migrated systems.

1.3.4.4.2. This task shall be executed at the discretion of the Government. The Government will provide the contractor with a request for proposal based on the specific task to be accomplished. The Contractor shall provide a proposal breaking out the labor categories/rates and number of hours to accomplish the task, after accomplishment of negotiations, the Government will process a modification to the task order.

#### **1.3.4.5 Task 4, Subtask 5 – SDDC Architecture Planning**

The Contractor shall perform the following tasks to facilitate continual improvements that align with state of the art technology and the ability to recover in the event of disaster:

- a. Review the SDDC Command and Control (C2) System architecture reliance, performance, etc., for potential improvements/enhancements and provide recommendations to the COR/ACOR
- b. Provide ongoing engineering analysis and support in the identification and documentation of hardware, software, and network requirements in support of all environments, including the Disaster Recovery site for Continuity of Operations (COOP).
- c. Identify, analyze, and evaluate SDDC's C2 System architecture, CONUS COOP'd, and CONUS non-COOP'd Production Systems at HQ Scott AFB, and develop an Engineering Analysis of the requirements and options in establishing and/or improving upon a COOP/Backup Architecture to support these systems.
- d. As new opportunities are discovered, or as requested by the COR/ACOR, the contractor shall develop a management decision brief and Bill of Materials (BOM) outlining the one-time only and recurring costs associated with suggested possible new and/or improved Production, Integration, and COOP environments as well as COOP/Backup Options. The management decision brief will include an Analysis, Plan and Options Decision Brief along with a BOM that shall not exceed 3 pages in length and that shall address analysis, impacts, and costs associated with new and/or improved technologies.
- e. Provide system administration and engineering support to implement and/or improve SDDC's C2 System environments that align with application SLA's and provides SDDC assurance that in the event of disaster, the COOP site will sustain SDDC systems.
- f. Plan and conduct semi-annual Disaster Recovery Exercises (DRE). The first DRE will be exercised no later than July 31, 2009. The contractor shall develop a DRE plan and provide this to the COR 14 days prior to the DRE. For each disaster recovery event or exercise the contractor shall submit a summary report within 30 days after the DRE is completed. The report will include: what worked well; lessons learned; recommendations; and, failure points. The contractor shall deliver the report to the Contracting Officer Representative (COR) and alternate COR (ACOR).
- g. Lessons learned from the exercise/event will be incorporated into a test plan for the next event/exercise. The contractor shall provide the test plan for the next DRE within 60 days of each completed DRE.

#### **1.3.4.6 Task 4, Subtask 6 – DATABASE ADMINISTRATION**

The contractor shall administer SDDC databases hosted on various platforms (i.e., UNIX, Windows, etc). In this role, the contractor shall perform numerous tasks, including, but not limited to:

- a. Installation of Oracle Software and maintaining Oracle patches
- b. Database instance creation
- c. Configuration and testing of initial installation
- d. Database user administration
- e. Security, including role and privilege management
- f. Performance Monitoring and Performance Tuning
- g. Configuration and Installation of Integration and Production environment tables, triggers and procedures
- h. Management of logs, rollback segments, archived logs
- i. Database backups including both hot and cold backups
- j. Database exports and imports
- k. Database Report Creation
- l. SQL\* Loader utility
- m. Database recovery including disaster recovery techniques
- n. Distributed processing
- o. Parallel Query tuning and configuration
- p. Storage management
- q. Auditing database activities
- r. Configuration and management of networking components
- s. Configuration and management of listener process
- t. Monitor and manage alert logs and trace files
- u. Normal and emergency database startup and shutdown processes
- v. Management of initialization and configuration files
- w. Oracle client software and interfacing with the database
- x. Database sizing and cleaning
- y. Database replication
- z. Provide support to data analysis and engineering effort for new data requirements

#### **1.3.5 Task Area 5, Enterprise Electronic Data Interchange (EDI) Maintenance and Sustainment**

##### **1.3.5.1 Task 5, Subtask 1 – Maintenance and Sustainment of EDI**

The Contractor shall provide subject matter expertise in the implementation of SDDC's enterprise EDI/eXtensive Markup Language (XML) program in support of its application systems. The Contractor shall assist the Command with implementation and integration of EDI/XML capabilities throughout the command structure including interfaces with internal and external systems. The Contractor shall assist in determination of candidate EDI and XML areas and application systems. Responsibilities shall include the analysis and the development of EDI X12 transaction sets, supporting Implementation Conventions (IC's), UN/EDIFACT messages, User Defined Files (UDF) and the analysis and the development of XML schemas and Document Type Definitions (DTD), as appropriate, for interfaces with application systems. The Contractor shall provide subject matter expertise in support of the development of interface integration planning and actual implementation for areas identified by the COR. The Contractor shall provide subject matter expertise during meetings and working groups as part of the EDI/XML interface integration planning process. The Contractor shall provide technical support in the utilization of the Sterling Commerce Gentrans Server EDI and XML translation and mapping software along with the AS2 software. The Contractor shall develop, test and implement: code scripts, UNIX scripts, interfaces, and EDI/XML to application systems user defined flat file specifications.

##### **1.3.5.2 Task 5, Subtask 2 – EDI Technical Support**

The contractor shall provide EDI technical support as identified in the following tasks:

- a. Provide subject matter expertise in support of the analysis, development and testing of interface integration planning and implementation for areas identified by the COR. Approximately 1 new EDI capability, such as Bill of Lading (858), will be implemented annually. Changes to existing EDI exchanges may be required.

- b. Provide technical support in the utilization of the Sterling Commerce Gentran Server EDI translation and mapping software. The contractor shall assist the government in consolidating requirements for the Gentran software, to move to an enterprise-wide use of the software versus system-specific usage.
- c. Provide maintenance for X12 DoD transportation and financial EDI transaction sets; examples include, but are not limited to: 214, 219A, 220A, 315A, 404A, 810, 821, 824C, 858, 858C, 858D, 858R, 997A, 1085REQ, 1085RES
- d. Write code scripts, interfaces, and EDI to application systems user defined flat file specifications.
- e. The contractor shall deliver scripts and documentation within 30 days after award, and will maintain both continually.
- f. Monitor environments (production, test, COOP) to identify erroneous transactions that fail translation.
- g. Provide subject matter expertise during meetings and working groups as part of the IC/EDI interface integration planning process.

#### **1.3.5.3 Task 5, Subtask 3 – XML Technical Support**

The contractor shall provide XML technical support as identified in the following tasks:

- a. Provide subject matter expertise in support of the analysis, development and testing of interface integration planning and implementation for areas identified by the COR. Approximately 1 new XML capability such as Ocean Status data exchange will be implemented annually.
- b. Provide technical support in the utilization of the Sterling Commerce Gentran Server for creating XML data interfaces.
- c. Write UNIX scripts, interfaces, and XML to application system specifications. Test, document and implement these scripts. The contractor shall deliver schemas within 10 days after successful testing. All schemas will be managed by SDDC's interface manager.
- d. Provide subject matter expertise during meetings and working groups as part of the XML interface integration planning process.

#### **1.3.5.4 Task 5, Subtask 4– Communications Support**

The contractor shall provide communications support as identified in the following tasks:

- a. Provide subject matter expertise in support of the analysis, development and testing of communication integration planning and implementation for areas identified by the COR. Approximately 1 new communication capability such as the AS2 communication channels will be implemented annually.
- b. Provide technical support in the utilization of the /n software AS2 software package for creating trading partner AS2 communication channels.
- c. Create and maintain user accounts, write scripts and interface specifications.
- d. Monitor environments (production, test, COOP) to identify down communication channels
- e. Provide subject matter expertise during meetings and working groups as part of the communications integration planning process.

#### **1.3.5.5 Task 5, Subtask 5 – Consolidation Support**

The contractor shall provide consolidation support as identified in the following tasks:

- a. Provide subject matter expertise in support of the SDDC EDI consolidation effort planning and implementation for areas identified by the COR. Approximately 1 new consolidation capability such as Centralized Web Application (CWA) will be implemented annually.
- b. Provide subject matter expertise during meetings and working groups as part of the consolidation support planning process.

#### **1.3.5.6 Task 5, Subtask 6 – System Administration Support**

The contractor shall provide system admin support as identified in the following tasks:

- a. Provide system administrator support for the EDI development and test environments to include security patches, software installation and configuration and hardware upkeep.
- b. Create and maintain user accounts and passwords for the file transfer machine (FTM) and GENTRAN Exchange (GEX) interfaces

### **1.3.5.7 Task 5, Subtask 7 – Functional Support**

The contractor shall provide functional support as identified in the following tasks:

- a. Create and maintain SDDC EDI documentation, including EDI transaction descriptions, interface systems, requirement documents and data flow diagrams.
- b. Review, prepare for official signature and archive SDDC Trading Partner Agreements (TPA) for commercial vendors. The contractor shall deliver the TPAs no later than 10 days after the agreement is made.
- c. Submit, review and vote on Data Maintenance Requests (DMR) from various Defense Transportation organizations.
- d. Analyze, research and review numerous external data source inputs (i.e. Schedule D/K port codes, commercial industry standards, etc.)
- e. Interact and have some knowledge of each SDDC EDI systems requirements, along with other government agencies, commercial trading partners and the carrier industry.
- f. Assist in EDI/XML development of standards and/or Implementation Conventions as part of the X12 Community and/or the Defense Transportation Electronic Business (DTEB) working groups.
- g. Attend meetings, working groups and conferences with/on behalf of the client to provide subject matter expertise.

### **1.3.6 Task Area 6, Service Oriented Architecture (SOA)**

The contractor shall perform this task in coordination with the USTRANSCOM led Distribution Process Owner (DPO) Architecture Steering Group and SOA Working Group. The contractor shall participate in meetings with these groups, and shall develop the SOA plans, reports and pilots in concert with the direction provided as a result of these meetings and as directed by the COR/ACOR.

#### **1.3.6.1 Task 6, Subtask 1 – SOA Implementation Plan**

Within 30 days of contract award, the contractor shall provide a draft plan for implementing a SOA at SDDC. The contractor shall maintain this plan and provide monthly updates to the draft, and then within 10 months of contract award the contractor shall deliver an executable, detailed plan that includes identification of milestone tasks, identification of a SOA Proof of Concept Project, estimated timelines, costs (including recommended additional hardware or software), benefits, risks to accomplish the following: implement SOA at SDDC; design, develop and implement a SOA proof of concept; integrate SOA implementation and concepts with enterprise data management, enterprise IT consolidation, and application integration; and a list of potential SDDC services that includes the provider and consumer of these services.

In addition, the contractor shall describe a minimum of the following in the draft and final plan: the recommended steps that SDDC must execute to begin planning and executing a SOA Proof of Concept and full implementation, including a high level milestone schedule toward achieving implementation; description of all dependencies to executing the plan; a detailed list of estimated costs and benefits; expected resource requirements including, but not limited to: required tools, including hardware, software and related technology; SDDC project team members, business representatives, customer representatives, and any stakeholder including their role. .

#### **1.3.6.2 Task 6, Subtask 2 – SDDC Business Services Report**

Within 30 days of contract award, the contractor shall provide a draft report that describes SDDC core business services and the automated systems that support each. The contractor shall provide a final report 90 days after contract award. The contractor shall include a minimum of the following in the final report: mapping of business services to data subjects; mapping of business services to supporting systems; mapping of data subjects to supporting systems; automation gaps and redundancies; and automation opportunities.

#### **1.3.6.3 Task 6, Subtask 3– Service Oriented Architecture (SOA) Pilot (optional task)**

*This task shall be executed at the discretion of the Government by Modification*

1.3.6.3.1. In conjunction with Task area 2, subtask 2, the Contractor shall:

- a. Hold workshops to identify potential processes that can be replaced by real-time web services. The objective of this task is to bring together the people that manage SDDC systems and look at what types of

data is shared and how to improve data visibility, timeliness, and accuracy through new technology. Types of information to be documented during the workshop to include:

- Data and process overlap and re-use opportunities
  - Transaction types and data content
  - Potential Consumers and Providers of web services
  - Visibility and accessibility
  - Authentication and authorization
- b. Artifacts from this task would be used to design and implement a pilot project to develop a set of web services suitable for a SOA proof of concept.
- c. Design and implement a pilot SOA implementation as a proof of concept at least 4 months from start of optional task. Key potential SOA friendly transactions from the workshops would be identified and used as requirements to test an SDDC SOA enabled system. The pilot will prove or disprove the usefulness of the new technology for SDDC with minimal software and hardware cost. Limited in scope and scalability a pilot SOA system can increase confidence for all stakeholders in the new technology. Architectural and practical knowledge gained during the implementation are transferable to a production implementation.
- d. Build / acquire production SDDC SOA system. With a better understanding of internal requirements and a successful pilot SOA system, a production SOA architected system is the next logical step. The production system will subsume pilot service implementations and scale to handle SDDC application-to-application communications.

1.3.6.3.2. This task shall be executed at the discretion of the Government. The Government will provide the contractor with a request for proposal based on the specific task to be accomplished. The Contractor shall provide a proposal breaking out the labor categories/rates and number of hours to accomplish the task, after accomplishment of negotiations, the Government will process a modification to the task order.

### **1.3.7 Task Area 7, SDDC Passenger System Maintenance and Sustainment**

#### **1.3.7.1 Task 7, Subtask 1 – Maintenance and Sustainment of GOPAX**

The Contractor shall provide subject matter expertise in the maintenance and sustainment of the Groups Operational Passenger System (GOPAX).

The GOPAX production system currently resides on Windows 2003 servers running IIS 6 and Active Perl 5.6.1, and is supported with an Oracle database running on a Sun 6800. A secure FTP server is utilized for data transfers. GOPAX has no environment for development and testing, as all changes are currently made directly to the production environment.

The contractor shall routinely monitor the applications (at least daily) to ensure all the processes are running. The contractor shall work systems change requests for Passenger Systems, and add/maintain email addresses to GOPAX. The contractor shall provide GOPAX reports to the Defense Travel Management Office (DTMO).

The contractor shall ensure operational systems conform to the operational environment and specified user requirements to analyze, fix and perform modifications to sustain software operations, including but not limited to the user interface, business rules, System Administration and Data Base Administration.

Each EOQ starting 31-Dec 2008, the contractor shall produce system documentation to include a definition of all batch transactions and scripts. The definition shall include what it does, when it executes, dependencies before it executes, dependent processes and interfaces, and where each script is located (server and folder). The contractor shall also provide all system source code at EOQ.

#### **1.3.7.2 Task 7, Subtask 2 – GOPAX Technical Upgrade (Optional Task)**

*This task shall be executed at the discretion of the Government by Modification*

1.3.7.2.1. The Contractor shall upgrade and modernize the GOPAX hardware and software to address and improve the following areas: software usability, hardware and software change control and configuration management, software maintainability and related maintenance cost, data management, and technical reliability.

1.3.7.2.2. This task shall be executed at the discretion of the Government. The Government will provide the contractor with a request for proposal based on the specific task to be accomplished. The Contractor shall provide a proposal breaking out the labor categories/rates and number of hours to accomplish the task, after accomplishment of negotiations, the Government will process a modification to the task order.

## 2. DELIVERABLES.

Standard Distribution

E-mail one copy of each deliverable to the COR/ACOR in MS Word (SDDC standard version) format or in format listed in table below; Times New Roman 12; 1 inch margins.

**Table 1: Deliverables for Task Area 1 – Contract level and Task Order Management**

<b>PWS para.</b>	<b>Deliverable Title</b>	<b>Format</b>	<b>Schedule</b>
1.3.1.1	TO Management Plan	Microsoft Office Products	Ten days after award, and at the end of each quarter (30-Sep, 31-Dec, 31-Mar, 30-Jun)
1.3.1.2	Milestone Schedule / Project Plan	Microsoft Project	No later than 1700 the 3 <sup>rd</sup> Friday of each month and with the MSR
1.3.1.2	Monthly Status Report (MSR)	Microsoft Office Products	No later than the fifth (5 <sup>th</sup> ) business day of each month
1.3.1.3	Manpower Report	Microsoft Office Products	First Tuesday after award, then upon any change in staffing.
1.3.1.4	Meeting Agenda and Meeting Minutes	Microsoft Office Products	As specified in each Task Area or upon request of the COR/ACOR. Agenda two (2) business days before the meeting; Minutes two (2) business days after the meeting
1.3.1.5	Technical Recommendations Report	Microsoft Office Products	Upon the discovery of the potential for improvements, each year on 1-May, and at the request of the COR/ACOR
1.3.1.6	Contractor Manpower Report (CMR)	As determined by the CMR website	By October 31st each calendar year

**Table 2: Deliverables for Task Area 2 – Data Management**

<b>PWS para.</b>	<b>Deliverable Title</b>	<b>Format</b>	<b>Schedule</b>
1.3.2.1	Enterprise-wide Logical Data Model	Erwin data modeling tool	Draft 31 Mar 2009. Updated 15 Sep each year
1.3.2.1	Program-level Logical Data Models and Physical Data Architecture Products	Erwin data modeling tool	Upon request of the COR
1.3.2.1	Cross Corporate Review Packages	As directed in USTRANSCOM's data management policy	Within 10 business days of completion of activity or as determined by COR

1.3.2.1	Metadata Repository	Complete backup of database	First deliverable 15 Sep 2010, and each year thereafter
1.3.2.1	Data-specific architecture products (specifically OV-7, SV-6, SV-11)	As determined by COR	Within 30 days of request by COR
1.3.2.3	Enterprise Data Exchange Products (EDI, XML, etc)	As determined by exchange method	Within 10 days of completion of activity or as determined by COR

**Table 3: Deliverables for Task Area 3 – ISDDC Maintenance and Sustainment**

PWS para.	Deliverable Title	Format	Schedule
1.3.3.1	Requirements and Design Documents, including Impact Analyses for proposed modifications	Microsoft Office Products	Within five (5) business days of completion of both the detailed requirements definition and detailed design phase for each task in the milestone schedule delivered in paragraph 1.3.1.2, or as specified by the COR/ACOR
1.3.3.2	System Documentation	Microsoft Office Products	Ninety (90) days after contract award, and updated for each major release
1.3.3.2	Software User Manuals and Help Documentation	Microsoft Office Products	Thirty (30) days after contract award, then as required by COR/ACOR
1.3.3.2	Configuration Management Plan	Microsoft Office Products	Forty-five (45) days after contract award
1.3.3.2	Data Quality reports	Microsoft Office Products	Quarterly, after exercising optional task
1.3.3.4	Change Request Form/capability	Microsoft Office Products	Fifteen (15) days after contract award
1.3.3.7	Interface Documentation (MOAs, IDDs)	Microsoft Office Products	MOAs within thirty (30) days after initial talks with new interface partner; IDDs as directed by COR
1.3.3.9	Test Plan, Test Cases and Test Results	Microsoft Office Products or automated test tool reports, if used	The last work day of each Quarter (30-Sep, 31-Dec, 31-Mar, 30-Jun), or upon COR/ACOR request.
1.3.3.10	Disaster Recovery Plan	Microsoft Office Products	Fifteen (15) days after contract award, and then annually
1.3.3.12.	Enhance In-land Reporting Prototype		To Be Determined at time of modification (Optional Task)
1.3.3.14.	SDDC Training Materials		To Be Determined at time of modification (Optional Task)
1.3.3.15	Training Materials	Microsoft Office Products	15 Sep of each contract period
1.3.3.16.	PowerPlay		To Be Determined at time of modification (Optional Task)

**Table 4: Deliverables for Task Area 4 – EIP Maintenance and Sustainment**

<b>PWS para.</b>	<b>Deliverable Title</b>	<b>Format</b>	<b>Schedule</b>
1.3.4.1	Application Installation and Configuration Guide	Microsoft Products	Updated semi-annually, 30-Jun and 31-Dec
1.3.4.1	Documentation, including rack layout and design, server and hardware characteristics, operating system and related software, systems supported, architecture documentation and application Service Level Agreements (SLA's) for each supported System	Microsoft Products	Updated the last work day of each Quarter (30-Sep, 31-Dec, 31-Mar, 30-Jun)
1.3.4.1	EIP Web Site	As determined by COR	Thirty (30) days after award, and continuously maintained
1.3.4.1	System Administration Logbook	Microsoft Products	Last work day of month
1.3.4.1	Server Maintenance Report	Microsoft Products	Last work day of month
1.3.4.1	ASI Requests	Microsoft Products	As required
1.3.4.1	Outage Report	Microsoft Products	Within 2 days of system failure
1.3.4.2	Configuration Management (CM) Plan	Microsoft Products	One hundred twenty (120) days after contract award
1.3.4.2	Enterprise Configuration Management (CM) Standards, and report of any deviating system CM processes	Microsoft Products	Draft 120 days after contract award, updated semi-annually (31-Dec, 30-Jun)
1.3.4.3	Draft EIP System Migration Plan	Microsoft Products	Thirty (30) days after contract award. Updated the end of each quarter starting 31-December 2008.
1.3.4.3	Executable EIP System Migration Plan	Microsoft Products	Ten (10) days after completion of LSS project as determined by COR/ACOR.
1.3.4.4	Migration Test Plan	Microsoft Products	<del>To Be Determined at time of modification (Optional Task)</del> Thirty (30) days after execution of modification P00003, and updated quarterly until all systems are migrated.
1.3.4.5	Management Decision Brief	Microsoft Products	As opportunities are discovered, and as requested by COR/ACOR
1.3.4.5	Disaster Recovery Summary Report	Microsoft Products	Semi-annually in January and July; report due 30 days after DRE
1.3.4.5	Disaster Recovery Test Plan	Microsoft Products	Semi-annually; first plan due 14 days prior to DRE, other test plans due 60 days after DRE

**Table 5: Deliverables for Task Area 5 – EDI Maintenance and Sustainment**

<b>PWS para.</b>	<b>Deliverable Title</b>	<b>Format</b>	<b>Schedule</b>
1.3.5.2	EDI and XML Documentation, to include scripts	Microsoft Products	Thirty (30) days after award, and continuously maintained

1.3.5.2	XML schemas	XML	Ten (10) days after successful testing
1.3.5.2	Trading Partner Agreements (TPA)	Microsoft Products	Ten (10) days after agreement is made

**Table 6: Deliverables for Task Area 6 – Service Oriented Architecture**

PWS para.	Deliverable Title	Format	Schedule
1.3.6.1	Draft SOA Implementation Plan	Microsoft Products	Draft Thirty (30) days after award, continuously maintained and updated monthly
1.3.6.1	Executable, detailed SOA Implementation Plan	Microsoft Products	Ten (10) months after award
1.3.6.2	Draft SDDC Business Services Report	Microsoft Products	Thirty (30) days after contract award
1.3.6.2	Final SDDC Business Services Report	Microsoft Products	Ninety (90) days after contract award
1.3.6.3	SOA Proof of Concept	Microsoft Products	To Be Determined at time of modification (Optional Task)

**Table 7: Deliverables for Task Area 7 – SDD Passenger System Maintenance and Sustainment**

PWS para.	Deliverable Title	Format	Schedule
1.3.7.1	GOPAX source code and documentation	System Operations	End of Quarter starting 31-Dec 2008.
1.3.7.2.	GOPAX Technical Upgrade		To Be Determined at time of modification (Optional Task)

### 3. SERVICE DELIVERY SUMMARY.

In order to measure contractor performance for the tasks and deliverables associated with this PWS, the contractor shall meet or exceed the operational objectives and performance or availability measurements in the Service Delivery Summary below.

PWS Para	Performance Objective	Performance Threshold
1.3.1.1	Task Order Management Plan	99% of the time the plan is timely, accurate, complete, and professionally sound
1.3.1.2	Monthly Status Report	95% of the time report is provided on time and is accurate
1.3.1.2	Milestone Schedule/Project Plan	99% of the time reports are timely, complete, professionally sound and accurate. 99% of the time scheduled dates are met with no significant problems, unless slippage is approved by COR/ACOR
1.3.1.4	Meeting Agenda and Meeting Minutes	95% of the time reports are timely, complete, professionally sound and accurate
1.3.2.1	Enterprise-wide Logical Data Model	99% of the time document is timely, complete, and professionally sound
1.3.2.2	Data Quality Management Standards	99% of the time document is timely, complete, and professionally sound

1.3.3.1	Requirements and Design Documents, including Impact Assessments for proposed modifications	99% of the time documents are timely, accurate complete, and professionally sound
1.3.3.2	Software User Manuals and Help Documentation	95% of the time manuals and documentation are timely, accurate, complete, and professionally sound
1.3.3.2	System Documentation	95% of the time documentation is timely, accurate, complete, and professionally sound
1.3.3.9	Test Plan, Test Cases and Test Results	95% of the time documents are timely, accurate, complete, and professionally sound
1.3.4.1	Documentation	99% of the time documentation is timely, accurate complete, and professionally sound
1.3.4.1	System Administration Logbook	99% of the time documentation is timely, accurate complete, and professionally sound
1.3.4.1	Server Maintenance Report	99% of the time reports are timely, accurate, complete, and professionally sound
1.3.4.1	Outage Report	99% of the time reports are timely, accurate, complete, and professionally sound. Other than planned outages, Servers are available 99.9% of the time each quarter.
1.3.4.2	Enterprise Configuration Management Standards	95% of the time standards are timely, complete, and professionally sound
1.3.4.3	Draft EIP Migration Plan	99% of the time documents are timely, complete, and professionally sound
1.3.4.3	Executable EIP Migration Plan	99% of the time documents are timely, complete, and professionally sound
1.3.5.2	EDI and XML Documentation	99% of the time documentation is timely, accurate, complete, and professionally sound
1.3.6.1	Draft SOA Implementation Plan	99% of the time documentation is timely, accurate, complete, and professionally sound
1.3.6.1	Executable, detailed SOA Implementation Plan	99% of the time documentation is timely, accurate, complete, and professionally sound
1.3.6.2	SDDC Business Services Report	95% of the time documentation is timely, accurate, complete, and professionally sound
1.3.7.1	GOPAX source code and documentation.	95% of the time, functionality of system software meet required system architecture and process requirement. Less than 3 valid user complaints are received per quarter.

#### 4. GOVERNMENT FURNISHED PROPERTY/ASSISTANCE.

The Government will provide the Contractor access to documentation and systems necessary to perform work on this task. The Government will provide common access cards (CAC) to ESS personnel as required, and will make key personnel available for interviews as necessary to complete the tasks. Contractor employees will have access to unclassified and secure automated systems necessary for performance of work under this PWS. The Government will provide the Contractor with required data and necessary documents, reports, procedures, regulations, directives, and other information needed to accomplish the tasks. Property and Services will include:

- a. Access to key system POC's or to ESS software development documents and processes needed to determine the current and future characteristics and configuration of applicable systems.
- b. Security badges and passes for access to controlled areas upon verification of security clearances.
- c. Office workspace for required on-site Contractor personnel shall include classified and unclassified computers, internet access, printers, copiers, tables, chairs, and access to electrical power, phones, fax machine, and use of existing software licenses. The government will provide on-site facilities to 7 technical system

administration staff (Task 4), 1 ISDDC staff (Task 3), 1 data management staff (Task 2), 1 SOA support staff (Task 6), and 2 EDI staff (Task 5).

- c. Access to Data Management tools, including Erwin and a meta data repository.
- d. Access to SDDC Network via a client or clientless VPN connection. NOTE: CAC authentication is required.
- e. Software licenses for Informatica and Cognos in the development and test environments.
- f. Development and Test Hardware and Software (see Appendix F) to be provided late in the base period of performance or early in Option year 1. The contractor shall install and sustain this hardware and software based on COR/ACOR direction. The intent is to install the hardware and software for the development environment at the contractor facility in Fairview Heights and the hardware and software for the test environment at Scott AFB, but it is possible both development and test is to be installed at the contractor location or in building 1575 on Scott AFB.

## **5. GENERAL INFORMATION**

**5.1 Place of Performance.** The contractor shall provide a off-site facility located in the St. Louis Metro East area. The contractor's off-site facility shall be located within 30 miles of Scott Air Force Base (SAFB), Illinois. The Government has space for minimum of seven on-site contractors, and any additional contractor employees with work off-site.

The SAFB offsite location, and any satellite facility shall be approved in writing by the COR/ACOR of this contract and the SDDC G2, Office of Intelligence and Security, IAW DoDI 2000.16, Standard 18, before Government systems and personnel (including contractors) are assigned. This will ensure adequate Force Protection and Antiterrorism measures are in place to protect contractor and Government personnel and systems.

Tasks will be performed at both the contractor facilities and on Scott AFB, Illinois. Assessments, development, and associated activities will be conducted primarily at the contractor site(s). System administration, maintenance, and software transition support will be performed either on Scott AFB or remotely. The schedule contractor shall support meetings at the contractor's facility, on Scott AFB, or other locations as required by the COR/ACOR.

**5.2 Travel.** The contractor shall be required to perform some amount of travel. Travel may be required for COOP implementation and support, DR exercises, data gathering, meetings, and conferences. Travel shall be determined and approved by the COR prior to its occurrence. All contractor travel performed will be charged to this contract. Travel incurred under this contract shall be reimbursed by the Government in accordance with the Joint Travel Regulation (JTR) and Federal Acquisition Regulation (FAR). The contractor shall not be reimbursed by the Government for local travel within 100 miles of Scott Air Force Base.

**5.3 Work Hours.** To insure the required system uptime on the applications, contractor personnel shall be available for on-site support during the core hours of 8:00am to 3:00pm Monday thru Friday and shall provide Point of Contact information to support non-core hour support in case of system downtime, outages or related issues. The contractor may be required to work additional hours, to include non-core hours based on, but not limited to: project schedule slippages; addressing, resolving, and implementing urgent or emergency requirements; the receipt of short fuse suspense actions; and preparations for and testing of software/hardware. The contractor shall be expected to respond within time specified in the SLA (based on MAC level) to any problems encountered with systems. The problem should be fixed within the time frame specified by the COR/ACOR. The COR/ACOR may consider input from the contractor prior to setting the time frame for problem resolution. All other requirements for contractor additional work hours will be identified and coordinated in advance between the COR/ACOR, the contractor and the Contracting Officer.

**5.4 Cooperation with Other Contractors and Government Personnel.** The contractor shall cooperate with other contractors and Government personnel performing work for SDDC and USTRANSCOM. The contractor shall be willing to adjust scheduling and performance to accommodate additional support if required by modification. The contractor shall avoid interfering with the performance of work by other contractors or Government employees while not compromising health, safety or security. Any disagreement or cause of delay shall be brought to the attention of the COR/ACOR.

**5.5 Quality Control and Quality Assurance.** The contractor shall be in compliance with their Quality Control Plan (QCP) and perform all services required under this contract. The Government and contractor will meet quarterly to discuss the contractor's adherence to the above-cited reference unless a contract discrepancy report is issued which would dictate scheduling a meeting sooner. The contractor shall deliver meeting minutes within two (2) working days after completion of the quarterly meeting.

**5.6 Security (Physical, Personnel, Information, Anti-terrorism and Force Protection Requirements)**

**5.6.1** The overall classification of the work associated with this PWS is SECRET. The daily work associated with this PWS is UNCLASSIFIED but will require occasional access to building 1575 on Scott AFB which requires a SECRET eligibility/access. A DD 254 is attached to this PWS.

**5.6.2** Information on the NIPRNET is at the For Official Use Only (FOUO) level of classification. A contractor who has Information Assurance (IA) administrative privileges or monitors a DoD IT system is designated by DoD 8500.1 as an IT-1 position (and as an ADP-1 position by DoD 5200.2-R). DoD 8500.2 Enclosure 3, AR 380-19 para 2-16 and AR 380-67 para 3-614 all specify that such persons must successfully complete a Single Scope Background Investigation (SSBI) before obtaining access to the DoD IT system. Successful completion/adjudication of the SSBI as required by the IT-1 rating requires the same investigation clearance stipulations as a TOP Secret eligibility/access. This requires awarded company to have a minimum Facilities Clearance Level (FCL) at the TOP Secret level which is outlined in section 5.6.5 of this PWS in order to submit contract members investigations to the Office of Personnel Management (OPM) and the Defense Industrial Security Clearance Office (DISCO).

**5.6.3** Personnel working this contract who will require access to building 1575 on SAFB will require a favorably completed SSBI NACLIC or ANACI, resulting in TOP SECRET eligibility when adjudicated the Defense Industrial Security Office. Access level to the building only requires SECRET level. Interim Secret clearance eligibility is accepted provided it was granted by the Defense Industrial Security Clearance Office (DISCO).

**5.6.4** Personnel assigned to this PWS who do not require IA administrative privileges/ system monitoring capability or classified access to bldg 1575 as outlined in 5.6.2. and 5.6.3 but do require access to Non-Secure Internet Protocol Router Network (NIPRNET) applications, must successfully complete a National Agency Check (NAC) or a National Agency Check with Inquiries (NACI). Favorable NAC or NACI investigation results must be posted in the Joint Personnel Adjudication System (JPAS) before a contractor is allowed access to the NIPRNET. This will be accomplished by the awarded company's Facilities Security Officer (FSO) or DISCO updating JPAS to reflect the favorable determination of the NAC/NACI once these investigative checks are complete and adjudicated. All investigation types will be submitted by the contract company's FSO except NACI's. NACI's will be submitted through the FSO to the SDDC G2 for processing and adjudication.

**5.6.5** The company who is awarded the contract must have a valid Facilities Clearance Level (FCL) at a minimum at the Top Secret level due to the investigative requirements set forth in section 5.6.2. Interim FCL's are acceptable provided they are not expired. FCL procedures and security guidelines for adjudicative requirements are outlined in DoD 5220.22-M, DoDI 5200.2-R and AR 380-67.

**5.6.6** Upon contract award, all names of contract employees will be submitted to SDDC, G2 for vetting through the Joint Personnel Adjudication System (JPAS) to ensure investigative and clearance requirements have been obtained before the start date of the contract. This will be completed prior to the Contract Officer Representative (COR) / Trusted Agent (TA) submitting contract employees for the Common Access Card (CAC) in the DoD Contract Verification System (CVS). If a contract member does not have the appropriate investigative or security clearance requirement the contract employee will be denied the ability to work in support of this PWS and not be loaded into CVS. Contract personnel will be loaded in CVS and have an expiration on their CAC for the initial contract year only. Upon approval of follow on years a new CAC will be issued and the old CAC relinquished to SDDC G2 with new dates for the subsequent year of option only.

**5.6.7** Upon receipt of the CAC, permanently assigned contract employees located at HQ-SDDC at SAFB, IL, may obtain the AF 1199 (Restricted Area Badge) if the employee meets the requirements set forth in the SAFB Instruction 31-101. Only personnel assigned physically on SAFB at least 4 days a week will be issued the AF 1199

unless an exception to policy is approved by the 375<sup>th</sup> SFS through SDDC G2. For contract personnel who do not physically reside on SAFB as required to obtain a Restricted Area Badge and who require access to HQ SDDC (Bldg 1990) and the 375<sup>th</sup> Communications Squadron (Bldg 1575) a visit request will be sent via JPAS for access and a temporary badge to be issued in both facilities per their respective operating procedures.

**5.6.8** A Visit Authorization Letter (VAL) or Visit Authorization Request (VAR) will be required for contract personnel who are assigned to HQ SDDC at SAFB, IL. The VAL/VAR request will be received 48 hours prior to start of the contractor employee. VAL/VAR requests can be submitted to SDDC G2 via email or fax ([sddc.g2.safb@sddc.army.mil](mailto:sddc.g2.safb@sddc.army.mil) or 618-220-5874). An example copy of the VAL or VAR can be obtained from HQ SDDC G2 from the contact numbers listed below.

**5.6.9** Any visit(s) to HQ SDDC (SAFB) or building 1575 by contractor personnel not permanently assigned to this contract (company presidents, company security managers, contract employees not assigned at SAFB, etc) will require an electronic visit request in the Joint Personnel Adjudication Systems (JPAS). The JPAS Security Management Office (SMO) code is W4PQAA4 for sending these actions to HQ SDDC at SAFB, IL. The JPAS SMO for building 1575 is SF1LF76R6. Visit requests sent in JPAS to building 1575 can not have a duration longer than 180 days or extend past the length on the CAC.

**5.6.10** Upon completion of this contract, the contract employee will surrender all government supplies, materials and equipment COR. The contractor CAC and any security badges issued will be turned into SDDC G2 at SAFB, IL. This will be accomplished on the last day of the contract or upon any termination/reassignment of a contract employee. Equipment, supplies and materials will not be turned into the contract company for turn in to SDDC.

**5.6.11** Security briefing/debriefing statement (Standard Form 312) will be completed upon start/completion of the contract if physically assigned to HQ SDDC at SAFB, IL.

**5.6.12** Contractor employees assigned to SAFB shall attend/complete the following training as prescribed by DOD, USTRANSCOM, Army and Air Force Instructions: Employee Initial Security Briefing, Annual Security Awareness Training, Operations Security (OPSEC) and Subversion and Espionage Directed Against the Army (SAEDA) training, and DOD Antiterrorism Level 1 training.

**5.6.13** The contractor shall ensure the roles/privileges assigned to contract employees on the Government computing platforms are limited to the roles/privileges essential to that individual's performance of his/her assignments. These roles/privileges can be limited or revoked by the Government for any reason.

**5.6.14** If the Government notifies the contractor that the employment or the continued employment of any contractor employee is prejudicial to the interests or endangers the security of the United States of America, that person shall be removed and barred from the worksite. This includes security deviations/incidents and credible derogatory information on contract members during the course of the contract period. The awarded contract company shall make any changes necessary in the appointment(s).

**5.6.15** Security Regulation Compliance. The contractor shall be required to comply with all security regulations and directives as identified herein, and other security requirements located in this contract. The contract members are required to attend required security training outlined in 5.12 of this PWS upon start of the contract. This training will be provided to the contract employees by SDDC G2 at SAFB, IL. Security training completed before the start of this contract may be considered the equivalent upon evaluation and approval by G2.

**Security Regulation Guidance:**

**Department of Defense (DoD):**

2000.16 (DoD Antiterrorism (AT) Standards)  
5200.1-R (DoD Information Security Program)  
5200.2-R (DoD Personnel Security Program)  
5200.08-R (DoD Physical Security Program)  
5220.22-M (National Industrial Security Program)  
8500.1 (Information Assurance (IA))

2000.12 (DoD Antiterrorism (AT) Program)  
8500.2 (Information Assurance (IA) Implementation)

DoD regulations found at:  
<http://www.dtic.mil/whs/directives/corres/pub1.html>

**Army:**  
AR 380-67 (Personnel Security Program)  
AR 380-5 (Department of the Army Information Security Program)  
AR 25-2 (Information Assurance)  
AR 380-20 (Restricted Areas)

Army regulations found at:  
<http://www.army.mil/usapa/epubs/>

**SDDC:**  
SDDC Regulation 190-1 (SDDC Security Program)

**(Provided upon request from SDDC G2 at SAFB)**

**Scott Air Force Base:**  
SAFB Instruction 31-101 (Installation Security Instruction)

**(Restricted publication. Sent only to .mil domains when forwarding. Not for public distribution.)**

**Forms:**  
DD 254, DoD, Contract Security Classification Specification

DoD forms found at:  
<http://www.dtic.mil/whs/directives/corres/pub1.html>

**HQ SDDC G2 Points of Contact:**

(b)(6)

Bldg 1990  
SAFB, IL. 62225  
Commercial: 618- (b)(6) (respectively)  
Email at (b)(6) @sddc.army.mil or (b)(6) @sddc.army.mil

**SDDC G2 Approval:** (b)(6) , **HQ SDDC, G2, 2 July 2008**  
**(initial review)(DD 25** **ched)**  
**SDDC G2 Tracking #: HQSDDCG2-00020-08**

### **5.7 Period of Performance.**

The initial period of performance for this contract is 1 October 2008 – 30 September 2009  
Period of Performance for the first option year is 1 October 2009 – 30 September 2010.  
Period of Performance for the second option year is 1 October 2010 – 30 September 2011.  
Period of Performance for the third option year is 1 October 2011 – 30 September 2012.  
Period of Performance for the fourth option year is 1 October 2012 – 30 September 2013.

**5.8 Packaging, Packing and Shipping Instructions.** The contractor shall provide all deliverables and other project related products, reports, etc., as an electronic file e-mail attachment whenever possible. The contractor shall generate all document deliverables in standard SDDC office automation software products. If the contractor

determines that it would be more beneficial to use non-standard SDDC office automation software to generate any of the required deliverables, the contractor must notify and receive approval from the COR/ACOR prior to generation of those deliverables. In the event that deliverables can not be delivered via e-mail they shall be hand-delivered on Floppy Disk or CD. All software, documentation, training literature, and any other deliverables described in this TO will be wholly owned by the Government (SDDC).

**5.9 Inspection and Acceptance Criteria.** SDDC will usually require up to ten (10) working days from receipt of all deliverables for review and comment/acceptance. Acceptance will be based upon the deliverables meeting contract requirements and accepted professional standards for technical content, workmanship, and relevance to stated functional business process requirements. If no guidance is received from SDDC by the end of the 10 day period, the contractor should contact the COR/ACOR for direction. Any guidance from SDDC for improvement/revisions to deliverables will be provided in writing.

**5.10 Personnel Expertise.** Contractor shall ensure that the required level of expertise is applied to this effort. At no additional expense to the Government, the contractor shall ensure that personnel assigned to this project remain current in the technical skills required to support and execute this TO.

**5.11 Invoicing Data.** The contractor shall submit a monthly DD250 throughout the life of the contract. The DD250 shall be submitted to the COR/ACOR for processing. The DD250 shall include as a minimum the following information:

- a. Name and address of the contractor
- b. Invoice number and date
- c. Contract Number/Task Order Number
- d. Contract line item number(s) and/or sub-line item number
- e. Period Invoiced for
- f. Name, title, and phone number of person to be notified in case of defective invoices.
- f. For each task, a detailed breakout of resource cost

**5.12 Requirements Affecting Contractor Personnel Performing Mission Essential Services.** The Contracting Officer has identified all or a portion of the services performed under this contract as "Essential DoD Contractor Services" as defined and described in DoD Instruction (DoDI) 3020.37, "Continuation of Essential DoD Contractor Services During Crises." Hereafter, the personnel identified by the contractor to perform these services shall be referred to as "Mission Essential Contractor Personnel."

Within 30 days after contract award the contractor shall provide a written list of all "Mission Essential Contractor Personnel" to the Contracting Officer or designee. The list shall identify names and where each employee will perform work under this contract.

As required to comply with or perform pursuant to DOD requirements, the Contracting Officer shall direct the contractor to comply with requirements intended to safeguard the safety and health of Mission Essential Contractor Personnel. The Contracting Officer may communicate the requirements through a letter of notification or other means, and subsequently modify the contract to incorporate the requirements.

This information shall be inserted in all subcontracts meeting the criteria in the first paragraph.

## **6. CONTRACT TRANSITION**

### **6.1 Incoming Contractor Transition**

**6.1.1 Transition Planning.** The incoming contractor shall provide the Government with a transition plan that provides for receiving all open work and associated materials and assets in the possession of the Government, which may be related to ongoing work.

**6.1.2 Sufficient Personnel.** The incoming contractor shall provide a sufficient number of personnel to ensure effective transfer of all work in progress so as not to impact mission accomplishment.

**6.1.3 Receipt of Materials.** The incoming contractor and the Government shall jointly inventory all Government owned intellectual and real property provided for the performance of work within this contract.

## **6.2 Incumbent Contractor Transition**

**6.2.1 Transition Planning.** The incumbent contractor shall provide the Government with a transition plan that provides for conveying all open work and associated materials and assets in their possession to the Government.

**6.2.2 Continuity of Service.** The contractor shall ensure the continuity of service while implementing its transition plan for all affected activities to preclude any adverse impact on the mission.

**6.2.3 Listing of Open Service Requests.** The incumbent contractor shall provide the COR/ACOR a complete listing of all open service requests indicating the status of completion and any performance issues associated with them. The report is due no later than 60 days prior to the contract scheduled end date.

**6.2.4 Transfer of Materials.** The incumbent contractor shall transfer to the Government all intellectual and real property belonging to the Government which was generated, purchased on behalf of, or provided by the Government for the performance of the work within this contract.

**6.2.5 Sufficient Personnel.** The incumbent contractor shall provide a sufficient number of personnel to ensure effective transfer of all work in progress so as not to impact mission accomplishment.

## **Appendix A**

### **Applicable Documents**

#### **FEDERAL AND DOD REGULATIONS**

Code of Federal Regulations, 29 CFR, Labor, Part 4, Labor Standards for Federal Service Contracts, 27 October, 1983.

Code of Federal Regulations, 29 CFR, Labor, Part 1910, Occupational Safety & Health, 1 July 2002.

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Note: To view Army regulations click on <http://www.usapa.army.mil/>  
To view DoD publications click on <http://www.dtic.mil/whs/directives>

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Note: To view Army regulations click on <http://www.usapa.army.mil/>  
To view DOD publications click on <http://www.dtic.mil/whs/directives>

**APPENDIX B**

**GLOSSARY/ACRONYM LIST**

<b>Acronym</b>	<b>Definition</b>
ACOR	Alternate Contracting Officer's Representative
ADP	Automated Data Processing
ATO	Authority to Operate
BOM	Bill of Materials
CAB	Cargo and Billing System
CAC	Common Access Card
CAGE	Commercial and Government Entity
CCB	Configuration Control Board
CCR	Cross-Corporate Review
CIDSS	Command Information Decision Support System
CIW	Collaborative Information Workspace
CM	Configuration Management
CMOS	Cargo Movement Operations System
CMR	Contractor Management Report
COI	Community of Interest
COOP	Continuity of Operations Plan
COR	Contracting Officer's Representative
COTS	Commercial-Off-The-Shelf
CVS	Contractor Verification System
CWA	Centralized Web Application
DA	Department of the Army
DAC	Distribution Analysis Center
DCS	Deputy Chief of Staff
DFAS	Defense Financial and Accounting Service
DIACAP	DOD Information Assurance Certification & Accreditation Process
DMR	Data Maintenance Request
DOD	Department of Defense
DODAF	DOD Architecture Framework
DODD	Department of Defense Directive
DPS	Defense Personal Property System
DRE	Disaster Recovery Exercises
DTEB	Defense Transportation Electronic Exchange Board
DTMO	Defense Travel Management Office
DTOD	Defense Table of Distances
EOQ	End of Quarter – 30-Sep, 31-Dec, 31-Mar, 30-Jun
ESS	Enterprise Support Services
EIP	Enterprise Integration Program
EDI	Electronic Data Interchange
EDM	Electronic Document Management
ETA	Electronic Transportation Acquisition
ETL	Extract, Transform, and Load
FAR	Federal Acquisition Regulation
FOUO	For Official Use Only
FSC	Federal Service Code
FTM	File Transfer Machine
GATES	Global Air Transportation Execution System
GIS	Geographic Information System
GFM	Global Freight Management
GFP	Government Furnished Property

GOPAX	Global Operational Passenger System
HTML	Hypertext Markup Language
HTTP	Hypertext Transfer Protocol
IA	Information Assurance
IAVA	Information Assurance Vulnerability Alerts
IBS	Integrated Booking System
IC	Implementation Convention
ISDDC	Integrated Surface Deployment & Data Cleansing Tool
IT	Information Technology
ITV	Intransit Visibility
IWR	Impromptu Web Reports
JPAS	Joint Personnel Adjudication System
JTR	Joint Travel Regulation
LSS	Lean Six Sigma
LDAP	Lightweight Directory Access Protocol
MAC	Mission Assurance Category
MC	Microsoft
NAC	National Agency Check
NACI	National Agency Check with Inquiries
OLAP	Online Analytical Processing
OPSEC	Operations Security
OV	Operational View
PKI	Public Key Infrastructure
PM	Program Manager
PMI	Project Management Institute
POC	Point of Contact
PWS	Performance Work Statement
QCP	Quality Control Plan
RFID	Radio Frequency Identifier
SAFB	Scott Air Force Base
SCR	Software Change Request
SDDC	(Military) Surface Deployment and Distribution Command
SLA	Service Level Agreement
SQL	Structured Query Language
SRC	Systems Response Center
SSBI	Single Scope Background Investigation
SSL	Secure Socket Layer
SSO	Single Sign-On
SV	System View
TA	Trusted Agent
TFMS	Transportation Financial Management System
TIM	Technical Interchange Meeting
TO	Task Order
TOPS	Transportation Operational Personal Property System
TPA	Trading Partner Agreements
TRDM	TRANSCOM's Reference Data Management System
UDF	User Defined File
UIC	Unit Identification Code
USA	United States Army
USAF	United States Air Force
USTRANSCOM	United States Transportation Command
VAL	Visit Authorization Letter
VAR	Visit Authorization Request

WPS	Worldwide Port System
XML	eXtensible Markup Language

## APPENDIX C

### PROPOSED ENHANCEMENTS

The following is a list of proposed enhancements/changes to the ISDDC program (Task 3). These enhancements will be discussed and prioritized by the program's Configuration Control Board.

#### Freight Reporting Enhancements

- a. New Data Source - Small Package Express ETL & Reporting. Work with GFM data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing for the receipt, integration, and maintenance of data for these < 150 pound shipments for which data is not currently integrated into the ISDDC freight reporting application.
- b. New Data Source - Freight Carrier Registration Program ETL & Reporting. Work with G3 FCRP data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration into existing ISDDC freight data, and reporting for the receipt and maintenance of DoD official freight carrier registration data.
- c. New Data Source - Fully Automated PowerTrack Data Feed for Actual Linehaul and Accessorial Payments ETL & Reporting. Work with USBANK PowerTrack data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the direct receipt and maintenance of DoD official freight carrier electronic payment information.
- d. New Data Source - EDI 214 Carrier Events ETL & Reporting. Work with Freight EDI 214 data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the direct receipt and maintenance of freight carrier electronic reporting of freight shipment transportation status.
- e. TCN Level Data to supplement existing BOL level reporting ETL & Reporting. Work with GFM, DSS, and CMOS data and functional experts to clarify TCN and BOL data relationships as represented in the Freight 858 EDI Implementation. Develop the ETL and reporting capability to support full integration into the existing ISDDC freight reporting application.
- f. New Source - Traffic Discrepancy Reports (TDR) ETL & Reporting. Work with G3 TDR data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the receipt and maintenance of DoD official shipment TDR data.
- g. New Source - Claims Data ETL & Reporting. Work with G3 freight shipment claims data experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the receipt and maintenance of claims related to existing ISDDC freight shipments.
- h. New Source - RFID ETL & Reporting. Work with AIT RFID data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the direct receipt and maintenance of ocean cargo RFID based location and transportation status data.

#### Ocean Cargo Reporting Enhancements

- a. New Source - Supply requisition data ETL & Reporting. Work with SDDC and DAASC data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the direct receipt and maintenance of ocean cargo shipment requisition reporting. This will enable reporting of the initial shipment request and confirmation of the final shipment receipt.
- b. New Source - Fully Automated PowerTrack Data Feed - Over Ocean, Stevedore, and Accessorial Payments ETL & Reporting. Work with USBANK PowerTrack data and functional experts to identify all relevant business rules; design and develop detailed data acquisition processing, integration, and reporting for the direct receipt and maintenance of DoD official freight carrier electronic payment information.
- c. GATES Migration - work with GATES developers in modifying the existing Phase 1 GATES ocean cargo shipment data interface to the new Phase 2 GATES ocean cargo shipment data interface.

#### Freight & Ocean Cargo Reporting Enhancements

- a. Integration of Freight Land Legs with Port-to-Port Ocean Cargo for End-to-End reporting on non-door-to-door shipments. Work with SDDC Freight and Ocean Cargo data experts in identifying data specific business rules for designing ETL to integrate, at the TCN level, freight and ocean cargo data related to the same TCN specified shipment. This will result in "end-to-end" visibility of those shipments currently tracked by both freight and ocean cargo data collection systems.

#### G5 Performance Management Analysis and Reporting (Optional Task)

- a. Continue to work with G5 personnel to identify appropriate performance metrics and Key Performance Indicators (KPI's) for analysis and reporting development.
- b. Work with DoD functional experts to define freight specific performance metrics; design and develop supporting ETL and reporting to maximize metrics usage.
- c. Work with DoD functional experts to define ocean cargo specific performance metrics; design and develop supporting ETL and reporting to maximize metrics usage.
- d. Implement appropriate reporting mechanisms as defined with G5 personnel to include dashboards and score carding, additional features should include:
  - Customizable dashboards with score carding and KPIs formatting
  - Alert-triggered reports
  - Report pivoting
  - Ad-hoc/auto report
  - Centralized report library
  - On-the-spot drilling
  - Advanced graphics
  - Complex derived metrics
  - Private and shared folders
  - Intuitive, dynamic filtering
  - Exporting: Excel, PDF, CSV and/or HTML format
- e. Sample metrics include (but are not limited to):
  - Shipping performance
  - Receiving performance
  - Returns handling
  - Cycle Count
  - On time delivery
  - Freight claims
  - Freight billing
  - Volume by mode
  - Productive miles driven
  - Counts of shipments
  - Counts of orders
  - Cost savings for consolidations

### APPENDIX D

#### EIP Information as of 30-June 2008

##### Applications supported by EIP

- Applications currently in EIP:
  - ICODES
  - ISDDC
  - CWA
  - TSTCC
  - FMS-history
  - AMS
  - STATCO
  - TOPS PERSONAL PROPERTY APPLICATIONS

- GOPAX
  - PSRO
  - CAB
  - Xacta IA DB
  - Over 40 Applications...
- Applications utilizing EIP Storage and Backup capability:
    - GFM
    - TFMS
    - Core Services
    - EDM
    -
  - EIP is currently backing up over 5 Terabytes (TB) weekly
  - Over 21TB space is allocated

#### EIP Hardware Overview

- Database layer servers:
  - Sunfire 6800 (4)
  - Sunfire 4800 (2)
- Application and Web layer servers
  - Sunfire Netra, 210, 240, 440, 480, 490 and 880 ( 35-40)
  - Dell 2650, 2850 and 6650 (35 - 40)
- SAN Storage
  - EMC DMX 2000 ( over 50TB of usable space )
- Backup
  - SpectraLogic 64K
  - 16 Drives, 300 usable tape slots, 400Gb tape AIT 5 tapes
- Network
  - Cisco 4507 Catalyst
  - Foundry load balancers

#### Technologies Utilized by EIP

- Solaris 10 with virtualization
- Windows 2003 Advanced Server with virtualization
- VERITAS Clustering
- Foundry load balancing
- EMC Storage with redundancy
- Gator enterprise backup
- Sun Java web/app servers
- Oracle Database and Oracle app servers
- Cognos Application Server
- Informatica PowerCenter

#### Targeted Systems to Plan Migration into EIP

- Electronic Transportation Acquisition (ETA)
- Command Information Decision Support System (CIDSS)
- Electronic Document Management (EDM)
- Global Freight Management System (GFM)
- Integrated Booking System (IBS)
- Transportation Financial Management System (TFMS)
- CIW
- Combined Data Toolset (CDT)
- Architecture Tool

### APPENDIX E

### Workload Estimates

Task 1: 3,800 hours  
 Task 2: 6,650 hours  
 Task 3: 15,200 hours  
 Task 4: 14,250 hours  
 Task 5: 5,700 hours  
 Task 6: 2,850 hours  
 Task 7: 2,004 hours  
 Total: 50,455 hours

### APPENDIX F

#### GFP for ISDDC Development and Test

Part Number	Description	Qty
223-4647	Base Unit: 2x Quad Core AMD Opteron 2350,75W, 2.0GHz, 1Ghz HyperTransport (223-4647) Memory: 16GB Memory, 8x2GB, 667MHz Dual Ranked DIMMs (311-6430) Video Card: TOE and iSCSI Offload features included with onboardNIC ports (311-8713) Hard Drive: 36GB 15K RPM Serial-Attach SCSI 3Gbps 2.5-in HotPlug HardDrive (341-4726) Operating System: No Operating System (420-6320) NIC: Broadcom NetXtreme II 5708 Single Port 1GbE NIC w/TOE iSCSI, PCIe-4 (430-2964) CD-ROM or DVD-ROM Drive: DVD-ROM Drive, Internal, SATA (313-5884) CD-ROM or DVD-ROM Drive: SATA Cable, Optical Drive, R805 (330-0211) Sound Card: PowerEdge R805 Active Bezel (313-5887) Documentation Diskette: PowerEdge R805 No Documentation (310-9977) Additional Storage Products: 36GB 15K RPM Serial-Attach SCSI 3Gbps 2.5-in HotPlug HardDrive (341-4726) Controller Option: Qlogic QLE220 FC4 HBA, FactoryInstalled (341-3979) Features: Internal SAS RAID Controller, 2 Hard Drives in RAID 1 config (341-5839) Universal Sliding Rapid/Versa Rails, includes Cable Management Arm (310-7412) Services: Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, 2 Year Extended (984-8812) ProSupport for IT: 7x24 HW / SW Tech Support and Assistance for Certified IT Staff, 3 Year (984-9002) Mission Critical Package: 4-Hour 7x24 On-Site Service with Emergency Dispatch, Initial Year (985-4530) Dell Limited Hardware Warranty Plus On Site Service Extended Year (989-0858) Dell Limited Hardware Warranty Plus On Site Service Initial Year (989-0877)	6

	MISSION CRITICAL PACKAGE: Enhanced Services, 3 Year (989-0918) Misc: Power Cord, C13 to C14, PDU Style, 10 amps, 10 feet / 3 meter (310-8511) Power Cord, C13 to C14, PDU Style, 10 amps, 10 feet / 3 meter (310-8511) 4x Broadcom NetXtreme II 5708 1GbE Onboard NICs with TOE (430-2713)	
4210 2k	PowerEdge 42U Rack 2K Dell Rack - basic no PDU, no cable management, mesh doors Rack 2K Dell 4210 42U Rack with Doors and Side Panels, Ground Ship, NOT for AK / HI 2	2
A0742390	PRO 1000 PT Quad Port Server Adapter for Gigabit Ethernet connectivity in Category-5 networks	5
T20Z108A-08GA2G-2	Sun Fire T2000 Server, 8 core 1.0GHz UltraSPARC T1 processor, 8GB DDR2 memory (8 * 1GB DIMMs), 2 * 73GB 2.5" 10K rpm SAS hard disk drives, 1 DVD-RO/CD-RW slimline drive, 2 (N+1) power supplies, 4 10/100/1000 ethernet ports, 1 serial port, 3 PCI-E slots,	2
X311L	Localized Power Cord Kit North American/Asian This Product is Hazard Class Y, RoHS compliant.	4
IWU-T2000-8-1S	Sun Fire or Sun SPARC Enterprise T2000 8-core server Upgrade to 1 year of Silver support.	2
SEEPDCB2Z	Sun SPARC Enterprise M4000 server. Includes 2*2.4GHz SPARC64 VII four-core Processors (1 CPU boards with 2 *CPUS each & 5MB on-chip L2 cache), and 32GB system	8

	memory on (2 memory modules with 8 * 2GB 1 rank DDR2 DIMMs), 2 * 146GB SAS hard disks, 1 DVD-ROM	
SELX9P51Z	Powercord jumper for internal rack power system usage, 2.5 meter, 13 Amp rated, IEC60320-C14 plug to IEC60320-C19 connector. This Product is Hazard Class Y, RoHS compliant.	16
IWU-M4K2-1S	This part number corresponds to the following 11i Service item:SLVR-SYS-SVC Sun SPARC Enterprise M4000 Server with 2-Way Upgrade to 1 Year of Silver Support. This part number corresponds to the following 11i Service item:SLVR-SYS-SVC Sun SPARC Enterpris	8
SEEPDCB2Z w/64GB	Sun SPARC Enterprise M4000 server. Includes 2*2.4GHz SPARC64 VII four-core Processors (1 CPU boards with 2 *CPUS each & 5MB on-chip L2 cache), and 32GB system memory on (2 memory modules with 8 * 2GB 1 rank DDR2 DIMMs), 2 * 146GB SAS hard disks, 1 DVD-ROM, 2*Gb ethernet ports, 1 I/O tray with 4 PCI-E and 1 PCI-X slots, 2 power supplies (220V with N+N redundancy or 110V), RoHS-5. 2	2
SELX9DT1Z	Sun DAT 72 tape drive internal option for use with SPARC Enterprise M4000 and M5000 servers, RoHS-6. 2	2
SELX2B2Z	Sun SPARC Enterprise Server Memory Module includes 8 * 2GB 1 rank DIMMs, 16GB total memory. For use with SPARC Enterprise M4000 and M5000 servers, RoHS-5. 4	4
SELX9P51Z	Powercord jumper for internal rack power system usage, 2.5 meter, 13 Amp rated, IEC60320-C14 plug to IEC60320-C19 connector. This Product is Hazard Class Y, RoHS compliant. 4	4
M-DAT72-4MM-UNLBL	Sun StorageTek DAT 72, 4MM Tape, No Label, 36GB Native-72 GB Compressed, Product sold as 10 Pack, This is packaged in individual plastic cases. 20	20
IWU-M4K2-1S	This part number corresponds to the following 11i Service item:SLVR-SYS-SVC Sun SPARC Enterprise M4000 Server with 2-Way Upgrade to 1 Year of Silver Support. This part number corresponds to the following 11i Service item:SLVR-SYS-SVC Sun SPARC Enterprise 2	2
XTA2540R01A1N5000	Sun StorageTek(TM) 2540 FC Array, Rack-Ready Controller Tray, 5TB, 5* 1TB 7.2Krpm SATA-II drives, 1 * 512MB cache FC HW RAID controller, 2 * redundant AC power supplies, 2 * redundant cooling fans, and 2 * shortwave SFPs; Includes Sun StorageTek(	1
XTA-2500-2URK-19U	Sun StorEdge(TM) 2500 2U universal rack, sliding rail kit; RoHS-5	1
X311L	Localized Power Cord Kit North American/Asian This Product is Hazard Class Y, RoHS compliant.	2
XTA-STING-1T7K	1 * 1TB 7.2Krpm SATA-II 3.5" x 1" disk drive in Sun StorageTek(TM) 2500 carrier; RoHS-6	6

IWU-ST2540NW-1S	This part number corresponds to the following Ili Service item:SLVR-STK-SVC Sun StorageTek 2540 Fiber Channel LCA. Warranty upgrade to 1 year of Silver support.	1
x4447a-z	is supported in the m4000	6
SNX119C16e	1U SUN Solaris Compatible Rackmount 19" LCD Monitor Key	2
QLA2460-E-SP	Qlogic 4Gb PCI-X 2.0 Single Port HBA EMC approved configuration. Ships in an individually packed box with a standard size bracket and a spare low-profile bracket, EMC Specific SANsurfer for SANblade FC HBAs CD.	12
FLCLCDPM62-5M-OR	5 -meter Multi-Mode optical fiber patch cables (LC – LC), orange PVC	26
DSR2020-001	Avocent DSR2020 KVM switch	2
DSRIQ-USB	Server interface module for VGA video, USB keyboard and mouse	8
70001908	Digi CM 32 RJ-45 - Console server - 0 / 1 - 32 ports - RS-232, PPP - 1U - rack-mountable	2
EVNSL6F-80-005M	Cat 6a patch cables, white, 16.4 feet (5M) PVC	26
BR-340-0004-A	340, 16P, FULL FABRIC, 4Gb SWL SFPs, EGM 90 Days Advance Replacement (-A) Service & Support	1
300-SVC-HA	High Availability: 1 Year Front Line/Back Line Support (24x7) Software Maintenance Hardware Replacement: 4 hour response	1
CBLFILCLC5M	LC TO LC MULTIMODE DUPLEX 50/125Micron-5M	12
WS-C2960G-24TC-L	Catalyst 2960 24 10/100/1000, 4 T/SFP LAN Base Image	4
CAB-AC	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	4
CON-SNT-C2960G2C	SMARTNET 8X5XNBD Catalyst 2960 24 10/100/1000, 4 T/SFP	4
10850204	VRTS STORAGE FOUNDATION ENTERPRISE HA/DR 5.0 SOL CPU TIER 2 STD LIC GOV BAND S	8
10850161	VRTS STORAGE FOUNDATION ENTERPRISE HA/DR 5.0 SOL CPU TIER 2 ESSENTIAL 12 MONTHS GOV BAND S	8