# Department of Defense Fiscal Year (FY) 2013 President's Budget Submission

February 2012



**Defense Media Activity** 

Justification Book

Procurement, Defense-Wide

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Defense Media Activity • President's Budget Submission FY 2013 • Procurement

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#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority

(Dollars in Thousands)

| Appropriation             | FY 2011<br>Actuals | FY 2012<br>Base | FY 2012<br>OCO | FY 2012<br>Total |
|---------------------------|--------------------|-----------------|----------------|------------------|
| Procurement, Defense-Wide | 10,420             | 14,542          |                | 14,542           |
| Total Defense-Wide        | 10,420             | 14,542          |                | 14,542           |

#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority (Dollars in Thousands)

| <b>★</b> 100 C 1 | FY 2013 | FY 2013 | FY 2013<br>Total |
|--|---------|---------|------------------|
| Appropriation  | Base    | 000     |                  |
| Procurement, Defense-Wide  | 15,179  |         | 15,179           |
| Total Defense-Wide   | 15,179  |         | 15,179           |

#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority (Dollars in Thousands)

24 Jan 2012

| Organization: Procurement, Defense-Wide | FY 2011<br>Actuals | FY 2012<br>Base | FY 2012<br>OCO | FY 2012<br>Total |
|---|--------------------|-----------------|----------------|------------------|
| Defense Media Activity, DMACT           | 10,420             | 14,542          |                | 14,542           |
| Total                                   | 10,420             | 14,542          |                | 14,542           |

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#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority (Dollars in Thousands)

| Organization: Procurement, Defense-Wide | FY 2013<br>Base | FY 2013<br>OCO | FY 2013<br>Total |
|---|-----------------|----------------|------------------|
|   |                 |                |                  |
| Defense Media Activity, DMACT           | 15,179          |                | 15,179           |
| Total                                   | 15,179          |                | 15,179           |

#### Defense-Wide

#### FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority

(Dollars in Thousands)

24 Jan 2012

Appropriation: Procurement, Defense-Wide

| Budget Activity                 | FY 2011<br>Actuals | FY 2012<br>Base | FY 2012<br>OCO | FY 2012<br>Total |
|---------------------------------|--------------------|-----------------|----------------|------------------|
| 01. Major Equipment             | 10,420             | 14,542          |                | 14,542           |
| Total Procurement, Defense-Wide | 10,420             | 14,542          |                | 14,542 ,         |

#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget

Total Obligational Authority (Dollars in Thousands) 24 Jan 2012

Appropriation: Procurement, Defense-Wide

| Budget Activity                 | FY 2013<br>Base | OCO<br>PY 2013 | Total  |
|---------------------------------|-----------------|----------------|--------|
| 2222222222222                   |                 |                |        |
| 01. Major Equipment             | 15,179          |                | 15,179 |
| Total Procurement, Defense-Wide | 15,179          |                | 15,179 |

#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority

(Dollars in Thousands)

24 Jan 2012

Appropriation: 0300D Procurement, Defense-Wide

| 524000                            |     |       | FY 2     |        | FY 2     |        | FY 20    |      | FY 2     |        | S |
|-----------------------------------|-----|-------|----------|--------|----------|--------|----------|------|----------|--------|---|
| Line                              |     | Ident | Actu     | lais   | Ba       | se     | oco      |      | Tot      | .al    | e |
| No Item Nomenclature              |     | Code  | Quantity | Cost   | Quantity | Cost   | Quantity | Cost | Quantity | Cost   |   |
|                                   |     |       |          |        |          | 2020   |          |      |          |        | - |
| Budget Activity 01: Major Equipme | ent |       |          |        |          |        |          |      |          |        |   |
| Major Equipment, DMACT            |     |       |          |        |          |        |          |      |          |        |   |
| 23 Major Equipment                |     |       | 3        | 10,420 | 5        | 14,542 |          |      | 5        | 14,542 | U |
| Total Major Equipment             |     |       |          | 10,420 |          | 14,542 |          |      |          | 14,542 |   |
| Total Procurement, Defense-Wide   |     |       | -        | 10,420 |          | 14,542 |          |      |          | 14,542 |   |

#### Defense-Wide FY 2013 President's Budget Exhibit P-1 FY 2013 President's Budget Total Obligational Authority

(Dollars in Thousands)

| Appropriation: | 0300D | Procurement, | Defense-Wide |
|----------------|-------|--------------|--------------|
|----------------|-------|--------------|--------------|

| Line                                | Ident | FY 2     | 2013<br>ise | FY 20    |      | FY 2<br>Tot |        | s<br>e |
|-------------------------------------|-------|----------|-------------|----------|------|-------------|--------|--------|
| No Item Nomenclature                | Code  | Quantity | Cost        | Quantity | Cost | Quantity    | Cost   | C      |
|                                     |       |          |             |          |      |             |        | -      |
| Budget Activity 01: Major Equipment |       |          |             |          |      |             |        |        |
| Major Equipment, DMACT              |       |          |             |          |      |             |        |        |
| 23 Major Equipment                  |       | 6        | 15,179      |          |      | 6           | 15,179 | U      |
|                                     |       |          |             |          |      |             |        | •      |
| Total Major Equipment               |       |          | 15,179      |          |      |             | 15,179 |        |
|                                     |       |          |             |          |      |             |        | 200    |
| Total Procurement, Defense-Wide     |       |          | 15,179      |          |      |             | 15,179 |        |

Defense Media Activity • President's Budget Submission FY 2013 • Procurement

# **Line Item Table of Contents (by Appropriation then Line Number)**

### Appropriation 0300D: Procurement, Defense-Wide

| Line # | ВА | BSA | Line Item Number | Line Item Title P      | age |
|--------|----|-----|------------------|------------------------|-----|
| 23     | 01 | 55  | 23               | Major Equipment, DMACT | 1   |

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Defense Media Activity • President's Budget Submission FY 2013 • Procurement

# Line Item Table of Contents (Alphabetically by Line Item Title)

| Line Item Title        | Line Item Number | Line # | ВА | BSA Page |
|------------------------|------------------|--------|----|----------|
| Major Equipment, DMACT | 23               | 23     | 01 | 55 1     |

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Exhibit P-40, Budget Item Justification Sheet: PB 2013 Defense Media Activity

Appropriation / Budget Activity / Budget Sub Activity:

P-1 Line Item Nomenclature: 23 - Major Equipment, DMACT

0300D: Procurement, Defense-Wide / BA 1: Major Equipment / BSA 55: Major Equipment, DMACT

Date: February 2012

| ID Code (A=Service Ready, B=Not Service Ready) : A |                | Program      | n Elements f    | or Code B Ite   | ems:            |                  | Oth             | er Related P  | rogram Elem | nents:  |                |        |
|--|----------------|--------------|-----------------|-----------------|-----------------|------------------|-----------------|---------------|-------------|---------|----------------|--------|
| Resource Summary                                   | Prior<br>Years | FY 2011      | FY 2012         | FY 2013<br>Base | FY 2013<br>OCO  | FY 2013<br>Total | FY 2014         | FY 2015       | FY 2016     | FY 2017 | To<br>Complete | Total  |
| Procurement Quantity (Each)                        | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |
| Gross/Weapon System Cost (\$ in Millions)          | 8.118          | 10.420       | 14.542          | 15.179          | 0.000           | 15.179           | 15.414          | 11.640        | 11.986      | 12.189  | 0.000          | 99.488 |
| Less PY Advance Procurement (\$ in Millions)       | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |
| Net Procurement (P1) (\$ in Millions)              | 8.118          | 10.420       | 14.542          | 15.179          | 0.000           | 15.179           | 15.414          | 11.640        | 11.986      | 12.189  | 0.000          | 99.488 |
| Plus CY Advance Procurement (\$ in Millions)       | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |
| Total Obligation Authority (\$ in Millions)        | 8.118          | 10.420       | 14.542          | 15.179          | 0.000           | 15.179           | 15.414          | 11.640        | 11.986      | 12.189  | 0.000          | 99.488 |
| (The folio   | owing Resource | Summary rows | are for informa | tional purposes | only. The corre | esponding budg   | et requests are | documented el | sewhere.)   |         |                |        |
| Initial Spares (\$ in Millions)                    | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |
| Flyaway Unit Cost (\$ in Millions)                 | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |
| Gross/Weapon System Unit Cost (\$ in Millions)     | -              | -            | -               | -               | -               | -                | -               | -             | -           | -       | -              | -      |

#### **Description:**

The Defense Media Activity (DMA) Fiscal Year 2013 program of \$15.179 million dollars continues providing capital investment funds for a part of the multi-year initiative for automation of major equipment and systems used to execute the media and visual information and overseas radio and television information missions. This represents funding for replacement of analog systems with digital technology as part of the normal life cycle and in support of the conversion to high definition (HD) technology as the broadcasting industry standard, and improved storage, management, and distribution of DoD imagery and visual information products.

| Item Schedule                     |          |          | Prior Years |               |                      | FY 2011             |               |                      | FY 2012   |                      |            | FY 2013 Base        |               |            | FY 2013 OCO |               |                      | FY 2013 Total       |               |            |
|-----------------------------------|----------|----------|-------------|---------------|----------------------|---------------------|---------------|----------------------|-----------|----------------------|------------|---------------------|---------------|------------|-------------|---------------|----------------------|---------------------|---------------|------------|
| Item Nomenclature*                | Exhibits | ID<br>CD | Unit Cost   | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$ M) | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost | <b>Qty</b><br>(Each) | Total Cost | Unit Cost<br>(\$ M) | Qty<br>(Each) | Total Cost | Unit Cost   | Qty<br>(Each) | Total Cost<br>(\$ M) | Unit Cost<br>(\$ M) | Qty<br>(Each) | Total Cost |
| 23 - Major Equipment              | P5, P5A  |          | -           | -             | 8.118                | -                   | -             | 10.420               | -         | -                    | 14.542     | -                   | -             | 15.179     | -           | -             | -                    | -                   | -             | 15.179     |
| Total Gross/Weapon<br>System Cost |          |          |             |               | 8.118                |                     |               | 10.420               |           |                      | 14.542     |                     |               | 15.179     |             |               | 0.000                |                     |               | 15.179     |

\*Item Nomenclature represents Item Number, DODIC, and Item Name for the P40A and P5; Name for the P48 and P23; Modification Number and Modification Title for the P3A; Item Number and Item Name for the P40.

#### Justification:

The Defense Media Activity (DMA) Fiscal Year 2013 program of \$15.179 will provide capital investment funds for a part of the multi-year initiative for automation of major equipment and systems used to execute the media and visual information, overseas radio and television information and joint training and education missions. The increase represents funding for replacement of analog systems with digital technology as part of the normal life cycle and in support of the conversion to high definition (HD) technology as the broadcasting industry standard, and improved storage, management, and distribution of DoD imagery and visual information products.

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| Exhibit P-5, Cost  | Ana      | lysis:      | PB 2013            | Defens                   | e Media    | Activity           |               |                             |                                       |                         |            |                 |               | I            | Date: Fe           | bruary 2  | 012       |                    |                         |  |  |
|--|----------|-------------|--------------------|--------------------------|------------|--------------------|---------------|-----------------------------|---------------------------------------|-------------------------|------------|-----------------|---------------|--------------|--------------------|---|-----------|--------------------|-------------------------|--|--|
| Appropriation / E<br>0300D / BA 1 / BS                           |          |             | vity / Bu          | ıdget Sı                 | ıb Activ   | ity:               | 1             | 23 - Major Equipment, DMACT |                                       |                         |            |                 |               |              |                    | Item Nomenclature (Item Number, Item Name, DODIC): 23 - Major Equipment |           |                    |                         |  |  |
|  |          | Resou       | ırce Sun           | nmary                    |            |                    |               | Prior Ye                    | ars                                   | FY 20                   | 11         | FY 20           | 12            | FY 2013      | Base               | FY 201  | 3 OCO     | FY 2013            | 3 Total                 |  |  |
| Procurement Quantity   | (Each    | 1)          |                    |                          |            |                    |               |                             | -                                     |                         | -          |                 | -             |              | -                  |   | -         |                    | -                       |  |  |
| Gross/Weapon Syster  | n Cos    | t (\$ in Mi | llions)            |                          |            |                    |               |                             | 8.118                                 |                         | 10.420     |                 | 14.542        |              | 15.179             |   | -         |                    | 15.179                  |  |  |
| Less PY Advance Pro  | curem    | ent (\$ in  | Millions)          |                          |            |                    |               |                             | -                                     |                         | -          |                 | -             |              | -                  |   | -         |                    | -                       |  |  |
| Net Procurement (P1)   | (\$ in l | Millions)   |                    |                          |            |                    |               |                             | 8.118                                 |                         | 10.420     |                 | 14.542        |              | 15.179             |   | -         |                    | 15.179                  |  |  |
| Plus CY Advance Pro  | curem    | ent (\$ in  | Millions)          |                          |            |                    |               |                             | -                                     |                         | -          |                 | -             |              | -                  |   | -         |                    | -                       |  |  |
| Total Obligation Author  | rity (\$ | in Million  | ns)                |                          |            |                    |               |                             | 8.118                                 |                         | 10.420     |                 | 14.542        |              | 15.179             |   | -         |                    | 15.179                  |  |  |
|  |          |             | (Th                | e following              | Resource S | ummary row         | s are for in  | formational p               | urposes onl                           | y. The corre            | sponding b | oudget reque    | sts are doc   | umented else | ewhere.)           |   |           |                    |                         |  |  |
| Initial Spares (\$ in Mill                                       | ions)    |             |                    |                          |            |                    |               |                             | -                                     |                         | -          |                 | -             |              | -                  |   | -         |                    | -                       |  |  |
| Gross/Weapon Syster  | n Unit   | Cost (\$    | in Millions)       |                          |            |                    |               |                             | -                                     |                         | -          |                 | -             |              | -                  |   | -         |                    | -                       |  |  |
|  |          | F           | Prior Years        | 3                        |            | FY 2011            |               |                             | FY 2012                               |                         | F          | Y 2013 Ba       | se            | F            | Y 2013 OC          | o   | F`        | Y 2013 Tota        | al                      |  |  |
| Cost Elements († indicates the presence of a P-5A)               | ID (     | Jnit Cost   | Quantity<br>(Each) | Total<br>Cost<br>(\$ M ) | Unit Cost  | Quantity<br>(Each) | Total<br>Cost | Unit Cost                   | Quantity<br>(Each)                    | Total<br>Cost<br>(\$ M) | Unit Cost  | Quantity (Each) | Total<br>Cost | Unit Cost    | Quantity<br>(Each) | Total<br>Cost   | Unit Cost | Quantity<br>(Each) | Total<br>Cost<br>(\$ M) |  |  |
| Hardware - News and<br>Media Information<br>Equipment Cost       |          |             |                    |                          |            |                    |               |                             |                                       |                         |            |                 |               |              |                    |   |           |                    |                         |  |  |
| Recurring Cost   |          |             |                    |                          | I          |                    |               | 1                           |                                       |                         |            | .1 .            |               | 1            | ı                  | 1   |           |                    |                         |  |  |
| † DAMS Tier 1<br>Storage (Life-cycle<br>Replacement)             | A        | -           | -                  | -                        | -          | -                  | -             | -                           | -                                     | -                       | 0.300      | 1               | 0.300         | -            | -                  | -   | 0.300     | 1                  | 0.300                   |  |  |
| † 24/7 OPS Systems<br>- Equipment                                | A        | -           | -                  | -                        | 0.500      | 1                  | 0.500         | 0.500                       | 1                                     | 0.500                   | 0.500      | 1               | 0.500         | -            | -                  | -   | 0.500     | 1                  | 0.500                   |  |  |
| Total Recurring Cost   |          |             |                    | 0.000                    |            |                    | 0.500         |                             |                                       | 0.500                   |            |                 | 0.800         |              |                    | 0.000   |           |                    | 0.800                   |  |  |
| Total Hardware - News<br>and Media Information<br>Equipment Cost |          |             |                    | 0.000                    |            |                    | 0.500         |                             |                                       | 0.500                   |            |                 | 0.800         |              |                    | 0.000   |           |                    | 0.800                   |  |  |
| Hardware - Overseas Radio and Television Equipment Cost          |          |             |                    |                          |            |                    |               |                             | · · · · · · · · · · · · · · · · · · · |                         |            |                 |               |              |                    |   |           | · '                |                         |  |  |
| Recurring Cost   |          |             |                    |                          |            |                    |               |                             |                                       |                         |            |                 |               |              |                    |   |           |                    |                         |  |  |
| † Television and<br>Radio Equipment<br>(DMA@FGGM)                | A        | -           | -                  | -                        | 8.442      | 1                  | 8.442         | 2.600                       | 1                                     | 2.600                   | 2.600      | 1               | 2.600         | -            | -                  | -   | 2.600     | 1                  | 2.600                   |  |  |
| † Television and<br>Radio Equipment<br>(AFRTS)                   | A        | 8.118       | 1                  | 8.118                    | 1.478      | 1                  | 1.478         | 7.442                       | 1                                     | 7.442                   | 7.779      | 1               | 7.779         | -            | -                  | -   | 7.779     | 1                  | 7.779                   |  |  |
| † Communications<br>Equipment<br>(Encoders-DTS)                  | A        | -           | -                  | -                        | -          | -                  | -             | 2.000                       | 1                                     | 2.000                   | 2.000      | 1               | 2.000         | -            | -                  | -   | 2.000     | 1                  | 2.000                   |  |  |
| † Communications<br>Equipment<br>(Encoders-CA)                   | А        | -           | -                  | -                        | -          | -                  | -             | 2.000                       | 1                                     | 2.000                   | 2.000      | 1               | 2.000         | -            | -                  | -   | 2.000     | 1                  | 2.000                   |  |  |

LI 23 - Major Equipment, DMACT Defense Media Activity UNCLASSIFIED

P-1 Line #23

Exhibit P-5, Cost Analysis: PB 2013 Defense Media Activity

Appropriation / Budget Activity / Budget Sub Activity:

0300D / BA 1 / BSA 55

P-1 Line Item Nomenclature:
23 - Major Equipment, DMACT

Item Nomenclature (Item Number, Item Name, DODIC):
23 - Major Equipment

|   |    | F         | Prior Years        | 5                       |           | FY 2011            |                          | FY 2012   |                    |                          | FY 2013 Base |                    |                          | FY 2013 OCO |                    |                         | FY 2013 Total |                    |                          |
|---|----|-----------|--------------------|-------------------------|-----------|--------------------|--------------------------|-----------|--------------------|--------------------------|--------------|--------------------|--------------------------|-------------|--------------------|-------------------------|---------------|--------------------|--------------------------|
| Cost Elements († indicates the presence of a P-5A)                  | ID | Unit Cost | Quantity<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost | Quantity<br>(Each) | Total<br>Cost<br>(\$ M ) | Unit Cost | Quantity<br>(Each) | Total<br>Cost<br>(\$ M ) | Unit Cost    | Quantity<br>(Each) | Total<br>Cost<br>(\$ M ) | Unit Cost   | Quantity<br>(Each) | Total<br>Cost<br>(\$ M) | Unit Cost     | Quantity<br>(Each) | Total<br>Cost<br>(\$ M ) |
| Total Recurring Cost  |    |           |                    | 8.118                   |           |                    | 9.920                    |           |                    | 14.042                   |              |                    | 14.379                   |             |                    | 0.000                   |               |                    | 14.379                   |
| Total Hardware - Overseas<br>Radio and Television<br>Equipment Cost |    |           |                    | 8.118                   |           |                    | 9.920                    |           |                    | 14.042                   |              |                    | 14.379                   |             |                    | 0.000                   |               |                    | 14.379                   |
| Gross Weapon System<br>Cost   |    |           |                    | 8.118                   |           |                    | 10.420                   |           |                    | 14.542                   |              |                    | 15.179                   |             |                    | -                       |               |                    | 15.179                   |

Remarks:

Exhibit P-5A, Budget Procurement History and Planning: PB 2013 Defense Media ActivityDate: February 2012Appropriation / Budget Activity / Budget Sub Activity:P-1 Line Item Nomenclature:<br/>23 - Major Equipment, DMACTItem Nomenclature:<br/>23 - Major Equipment

|  |             |      |  |                                |                 |            |                           |                      | ,         |                        |                     |                   |
|--|-------------|------|--|--------------------------------|-----------------|------------|---------------------------|----------------------|-----------|------------------------|---------------------|-------------------|
| Cost Elements († indicates the presence of a P-21) | 0<br>C<br>0 | FY   | Contractor and Location                    | Contract<br>Method<br>and Type | Location of PCO | Award Date | Date of First<br>Delivery | <b>Qty</b><br>(Each) | Unit Cost | Specs<br>Avail<br>Now? | Date Revsn<br>Avail | RFP Issue<br>Date |
| DAMS Tier 1 Storage (Life-cycle Replacement)       |             | 2013 | Unknown / Unknown                          | PO                             | DIMOC           | Mar 2013   | Jun 2013                  | 1                    | 0.300     | N                      |                     | Dec 2012          |
| 24/7 OPS Systems - Equipment                       |             | 2011 | Innovative Tech.,<br>Inc. / Chantilly, VA. | PO                             | DIMOC           | Sep 2011   | Dec 2011                  | 1                    | 0.500     | N                      |                     | May 2011          |
| 24/7 OPS Systems - Equipment                       |             | 2012 | Unknown / Unknown                          | PO                             | DIMOC           | Feb 2012   | Apr 2012                  | 1                    | 0.500     | N                      |                     | Nov 2011          |
| 24/7 OPS Systems - Equipment                       |             | 2013 | Unknown / Unknown                          | PO                             | DIMOC           | Apr 2013   | Jun 2013                  | 1                    | 0.500     | N                      |                     | Jan 2013          |
| Television and Radio Equipment (DMA@FGGM)          |             | 2011 | Innovative Tech.,<br>Inc. / Chantilly, VA. | PO                             | DMA OPS         | Nov 2010   | Mar 2011                  | 1                    | 8.442     | N                      |                     | Oct 2010          |
| Television and Radio Equipment (DMA@FGGM)          |             | 2012 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2012   | Jul 2012                  | 1                    | 2.600     | N                      |                     | Jan 2012          |
| Television and Radio Equipment (DMA@FGGM)          |             | 2013 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2013   | Jul 2013                  | 1                    | 2.600     | N                      |                     | Jan 2013          |
| Television and Radio Equipment (AFRTS)             |             | 2011 | Scientific Atlanta -<br>CISCO / Unknown    | PO                             | DMA OPS         | Sep 2011   | Dec 2011                  | 1                    | 1.478     | N                      |                     | May 2011          |
| Television and Radio Equipment (AFRTS)             |             | 2012 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2012   | Jul 2012                  | 1                    | 7.442     | N                      |                     | Jan 2012          |
| Television and Radio Equipment (AFRTS)             |             | 2013 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2013   | Jul 2013                  | 1                    | 7.779     | N                      |                     | Jan 2013          |
| Communications Equipment (Encoders-DTS)            |             | 2012 | Unknown / Unknown                          | РО                             | DMA OPS         | May 2012   | Jul 2012                  | 1                    | 2.000     | N                      |                     | Jan 2012          |
| Communications Equipment (Encoders-DTS)            |             | 2013 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2013   | Jul 2013                  | 1                    | 2.000     | N                      |                     | Jan 2013          |
| Communications Equipment (Encoders-CA)             |             | 2012 | Unknown / Unknown                          | РО                             | DMA OPS         | May 2012   | Jul 2012                  | 1                    | 2.000     | N                      |                     | Jan 2012          |
| Communications Equipment (Encoders-CA)             |             | 2013 | Unknown / Unknown                          | PO                             | DMA OPS         | May 2013   | Jul 2013                  | 1                    | 2.000     | N                      |                     | Jan 2013          |

Remarks: