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|                                                                                                                               |             |         |         |              |                                                                                       |               |         |         |         |                     |                  |            |
|-------------------------------------------------------------------------------------------------------------------------------|-------------|---------|---------|--------------|---------------------------------------------------------------------------------------|---------------|---------|---------|---------|---------------------|------------------|------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Army                                                                    |             |         |         |              |                                                                                       |               |         |         |         | Date: February 2015 |                  |            |
| Appropriation/Budget Activity<br>2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0305179A / Integrated Broadcast Service (IBS) |               |         |         |         |                     |                  |            |
| COST (\$ in Millions)                                                                                                         | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO                                                                           | FY 2016 Total | FY 2017 | FY 2018 | FY 2019 | FY 2020             | Cost To Complete | Total Cost |
| Total Program Element                                                                                                         | -           | -       | -       | 0.750        | -                                                                                     | 0.750         | -       | -       | 0.450   | 0.459               | Continuing       | Continuing |
| EF4: Integrated Broadcast System                                                                                              | -           | -       | -       | 0.750        | -                                                                                     | 0.750         | -       | -       | 0.450   | 0.459               | Continuing       | Continuing |

**Note**

Project EF4 does not represent a New Start program; the funding supporting this program is being realigned from PE 0603850A Project 472.

**A. Mission Description and Budget Item Justification**

The Joint Program Office (JPO) for Integrated Broadcast Service (IBS) Terminals supports all of the Joint Services and Special Operations Command (SOCOM). The IBS is the worldwide Department of Defense (DoD) standard network enterprise for disseminating time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JPO's role is to complete consolidation and replacement of existing IBS terminal capability. The Joint Tactical Terminal (JTT) family of systems currently consists of the JTT-Senior and JTT-IBS systems, and they satisfy Key Performance Parameters (KPPs) for the IBS Program. The JTT is the official IBS producer system, and ensures continued IBS interoperability to a variety of tactical producers/consumers across the Joint Services. JPO IBS Terminals performs JTT life cycle program management through fielding and sustainment of recently upgraded JTT equipment, as well as integration and testing of enhancements for modernization of the JTT fleet through block upgrades and/or new production.

FY16 Base funding of \$0.750 million supports a capabilities review and testing of off-the-shelf, smaller size IBS terminals against validated requirements, to include User testing.

|                                                          |                       |                       |                            |                           |                             |
|----------------------------------------------------------|-----------------------|-----------------------|----------------------------|---------------------------|-----------------------------|
| <b><u>B. Program Change Summary (\$ in Millions)</u></b> | <b><u>FY 2014</u></b> | <b><u>FY 2015</u></b> | <b><u>FY 2016 Base</u></b> | <b><u>FY 2016 OCO</u></b> | <b><u>FY 2016 Total</u></b> |
| Previous President's Budget                              | -                     | -                     | -                          | -                         | -                           |
| Current President's Budget                               | -                     | -                     | 0.750                      | -                         | 0.750                       |
| Total Adjustments                                        | -                     | -                     | 0.750                      | -                         | 0.750                       |
| • Congressional General Reductions                       | -                     | -                     |                            |                           |                             |
| • Congressional Directed Reductions                      | -                     | -                     |                            |                           |                             |
| • Congressional Rescissions                              | -                     | -                     |                            |                           |                             |
| • Congressional Adds                                     | -                     | -                     |                            |                           |                             |
| • Congressional Directed Transfers                       | -                     | -                     |                            |                           |                             |
| • Reprogrammings                                         | -                     | -                     |                            |                           |                             |
| • SBIR/STTR Transfer                                     | -                     | -                     |                            |                           |                             |
| • Adjustments to Budget Years                            | -                     | -                     | 0.750                      | -                         | 0.750                       |

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| Exhibit R-2A, RDT&E Project Justification: PB 2016 Army |             |         |         |              |                                                                                       |               |         |         |                                                            | Date: February 2015 |                  |            |
|---------------------------------------------------------|-------------|---------|---------|--------------|---------------------------------------------------------------------------------------|---------------|---------|---------|------------------------------------------------------------|---------------------|------------------|------------|
| Appropriation/Budget Activity<br>2040 / 7               |             |         |         |              | R-1 Program Element (Number/Name)<br>PE 0305179A / Integrated Broadcast Service (IBS) |               |         |         | Project (Number/Name)<br>EF4 / Integrated Broadcast System |                     |                  |            |
| COST (\$ in Millions)                                   | Prior Years | FY 2014 | FY 2015 | FY 2016 Base | FY 2016 OCO                                                                           | FY 2016 Total | FY 2017 | FY 2018 | FY 2019                                                    | FY 2020             | Cost To Complete | Total Cost |
| EF4: Integrated Broadcast System                        | -           | -       | -       | 0.750        | -                                                                                     | 0.750         | -       | -       | 0.450                                                      | 0.459               | Continuing       | Continuing |
| Quantity of RDT&E Articles                              | -           | -       | -       | -            | -                                                                                     | -             | -       | -       | -                                                          | -                   |                  |            |

**Note**

Project EF4 does not represent a New Start program; the funding supporting this program is being realigned from PE 0603850A Project 472.

**A. Mission Description and Budget Item Justification**

The JPO for IBS Terminals supports all of the Joint Services and SOCOM. The IBS is the worldwide DoD standard network enterprise for disseminating time-sensitive tactical and strategic intelligence and targeting data to all echelons of Joint Service operational users. The JPO's role is to complete consolidation and replacement of existing IBS terminal capability. The JTT family of systems currently consists of the JTT-Senior and JTT-IBS systems, and they satisfy KPPs for the IBS Program. The JTT is the official IBS producer system, and ensures continued IBS interoperability to a variety of tactical producers/consumers across the Joint Services. JPO IBS Terminals performs JTT life cycle program management through fielding and sustainment of recently upgraded JTT equipment, as well as integration and testing of enhancements for modernization of the JTT fleet through block upgrades and/or new production.

FY16 Base funding of \$0.750 million supports a capabilities review and testing of off-the-shelf, smaller size IBS terminals against validated requirements, to include User testing.

**B. Accomplishments/Planned Programs (\$ in Millions)**

|                                                                                                               | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016</b> |
|---------------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|
| <b>Title:</b> Integration and Test                                                                            | -              | -              | 0.550          |
| <b>Description:</b> Funds support integration and testing of enhancements for modernization of the JTT fleet. |                |                |                |
| <b>FY 2016 Plans:</b><br>Start integration and testing of enhancements for modernization of the JTT fleet.    |                |                |                |
| <b>Title:</b> Support Costs and Management Services                                                           | -              | -              | 0.200          |
| <b>Description:</b> Funding is provided for Project Management Support                                        |                |                |                |
| <b>FY 2016 Plans:</b><br>Funding will initiate Project Management and Matrix Support.                         |                |                |                |
| <b>Accomplishments/Planned Programs Subtotals</b>                                                             | -              | -              | 0.750          |

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|                                                                                           |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
|-------------------------------------------------------------------------------------------|----------------|----------------|-------------------------|-----------------------------------------------------------------------------------------------------|--------------------------|----------------|----------------|--------------------------------------------------------------------------|----------------|-----------------------------|-------------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2016 Army                        |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                | <b>Date:</b> February 2015  |                   |
| <b>Appropriation/Budget Activity</b><br>2040 / 7                                          |                |                |                         | <b>R-1 Program Element (Number/Name)</b><br>PE 0305179A / <i>Integrated Broadcast Service (IBS)</i> |                          |                |                | <b>Project (Number/Name)</b><br>EF4 / <i>Integrated Broadcast System</i> |                |                             |                   |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>                                  |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
| <b>Line Item</b>                                                                          | <b>FY 2014</b> | <b>FY 2015</b> | <b>FY 2016<br/>Base</b> | <b>FY 2016<br/>OCO</b>                                                                              | <b>FY 2016<br/>Total</b> | <b>FY 2017</b> | <b>FY 2018</b> | <b>FY 2019</b>                                                           | <b>FY 2020</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • V29600 OTHER<br>PROCUREMENT, ARMY<br>JTT: V29600 OTHER<br>PROCUREMENT, ARMY JTT         | 0.824          | 0.870          | 0.881                   | -                                                                                                   | 0.881                    | 0.892          | 0.907          | 0.924                                                                    | 0.940          | Continuing                  | Continuing        |
| <b>Remarks</b>                                                                            |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
| <b>D. Acquisition Strategy</b>                                                            |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
| Funds support integration and testing of enhancements for modernization of the JTT fleet. |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
| <b>E. Performance Metrics</b>                                                             |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |
| N/A                                                                                       |                |                |                         |                                                                                                     |                          |                |                |                                                                          |                |                             |                   |

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|-------------------------------------------------------------------|-----------------------------------|-------------------------------------------|--------------------|----------------|-------------------|-----------------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|--------------------|-------------------|--------------------------------------------------------------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2016 Army</b> |                                   |                                           |                    |                |                   |                                                                                                     |                   |                     |                   |                    |                   | <b>Date:</b> February 2015                                               |                         |                   |                                 |
| <b>Appropriation/Budget Activity</b><br>2040 / 7                  |                                   |                                           |                    |                |                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0305179A / <i>Integrated Broadcast Service (IBS)</i> |                   |                     |                   |                    |                   | <b>Project (Number/Name)</b><br>EF4 / <i>Integrated Broadcast System</i> |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>                                   |                                   |                                           |                    | <b>FY 2014</b> |                   | <b>FY 2015</b>                                                                                      |                   | <b>FY 2016 Base</b> |                   | <b>FY 2016 OCO</b> |                   | <b>FY 2016 Total</b>                                                     |                         |                   |                                 |
| <b>Cost Category Item</b>                                         | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                         | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                              | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Matrix Support                                                    | C/TBD                             | TBD : TBD                                 | 0.000              | -              |                   | -                                                                                                   |                   | 0.100               | Dec 2015          | -                  |                   | 0.100                                                                    | -                       | 0.100             | -                               |
| Project Management Support                                        | C/TBD                             | TBD : TBD                                 | 0.000              | -              |                   | -                                                                                                   |                   | 0.100               | Dec 2015          | -                  |                   | 0.100                                                                    | -                       | 0.100             | -                               |
| <b>Subtotal</b>                                                   |                                   |                                           | 0.000              | -              |                   | -                                                                                                   |                   | 0.200               |                   | -                  |                   | 0.200                                                                    | -                       | 0.200             | -                               |
| <b>Test and Evaluation (\$ in Millions)</b>                       |                                   |                                           |                    | <b>FY 2014</b> |                   | <b>FY 2015</b>                                                                                      |                   | <b>FY 2016 Base</b> |                   | <b>FY 2016 OCO</b> |                   | <b>FY 2016 Total</b>                                                     |                         |                   |                                 |
| <b>Cost Category Item</b>                                         | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>                                                                                         | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>                                                              | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Integration and Testing of JTT fleet Modernization                | C/TBD                             | TBD : TBD                                 | 0.000              | -              |                   | -                                                                                                   |                   | 0.550               | Jan 2016          | -                  |                   | 0.550                                                                    | -                       | 0.550             | -                               |
| <b>Subtotal</b>                                                   |                                   |                                           | 0.000              | -              |                   | -                                                                                                   |                   | 0.550               |                   | -                  |                   | 0.550                                                                    | -                       | 0.550             | -                               |
|                                                                   |                                   |                                           | <b>Prior Years</b> | <b>FY 2014</b> |                   | <b>FY 2015</b>                                                                                      |                   | <b>FY 2016 Base</b> |                   | <b>FY 2016 OCO</b> |                   | <b>FY 2016 Total</b>                                                     | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Project Cost Totals</b>                                        |                                   |                                           | 0.000              | -              |                   | -                                                                                                   |                   | 0.750               |                   | -                  |                   | 0.750                                                                    | -                       | 0.750             | -                               |
| <b>Remarks</b>                                                    |                                   |                                           |                    |                |                   |                                                                                                     |                   |                     |                   |                    |                   |                                                                          |                         |                   |                                 |

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PE 0305179A: *Integrated Broadcast Service (IBS)*  
Army

R-1 Line #193

**R-1 Program Element (Number/Name)**  
PE 0305179A / *Integrated Broadcast Service (IBS)*

**Project (Number/Name)**  
EF4 / *Integrated Broadcast System*

| Event Name                                 | FY 2014 |   |   |   | FY 2015 |   |   |   | FY 2016                      |   |   |   | FY 2017 |   |   |   | FY 2018 |   |   |   | FY 2019 |   |   |   | FY 2020 |   |   |   |
|--------------------------------------------|---------|---|---|---|---------|---|---|---|------------------------------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
|                                            | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1                            | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 | 1       | 2 | 3 | 4 |
| IBS terminals integration and test support |         |   |   |   |         |   |   |   | Integration and test support |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |
|                                            |         |   |   |   |         |   |   |   |                              |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |         |   |   |   |

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|----------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Exhibit R-4A, RDT&E Schedule Details: PB 2016 Army |                                                                                          | Date: February 2015                                        |
| Appropriation/Budget Activity<br>2040 / 7          | R-1 Program Element (Number/Name)<br>PE 0305179A / Integrated Broadcast<br>Service (IBS) | Project (Number/Name)<br>EF4 / Integrated Broadcast System |

Schedule Details

| Events                                     | Start   |      | End     |      |
|--------------------------------------------|---------|------|---------|------|
|                                            | Quarter | Year | Quarter | Year |
| IBS terminals integration and test support | 2       | 2016 | 4       | 2016 |