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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2014 Air Force | <b>DATE:</b> April 2013 |
|--|-------------------------|

| APPROPRIATION/BUDGET ACTIVITY  |                 |         |                      |              | R-1 ITEM NOMENCLATURE  |               |         |         |         |         |                  |            |
|--|-----------------|---------|----------------------|--------------|--|---------------|---------|---------|---------|---------|------------------|------------|
| 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i><br>BA 7: <i>Operational Systems Development</i> |                 |         |                      |              | PE 0102823F: <i>Strategic Aerospace Intelligence System Activities</i> |               |         |         |         |         |                  |            |
| COST (\$ in Millions)  | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>  | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost |
| Total Program Element  | -               | 0.014   | 0.000                | 0.000        | -  | 0.000         | 0.000   | 0.000   | 0.000   | 0.000   | Continuing       | Continuing |
| 675011: <i>Space Situational Awareness Initiatives</i>   | -               | 0.014   | 0.000                | 0.000        | -  | 0.000         | 0.000   | 0.000   | 0.000   | 0.000   | Continuing       | Continuing |
| Quantity of RDT&E Articles   |                 | 0       | 0                    | 0            |  | 0             | 0       | 0       | 0       | 0       |                  |            |

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

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

In the 2006 Strategic Master Plan, the AFSPC/CC identified a need to provide timely, accurate, relevant intelligence data to support Space Superiority operations - Offensive Counterspace (OCS), Defense Counterspace (DCS), and Space Situational Awareness (SSA). USSTRATCOM further stated the need for such a requirement in its February 2006 Space Control JCD. This program element provides Space Intelligence Preparation of the Battlespace (SIPB) Human-to-Machine/ Machine-to-Machine Interface (HMMI) in response to those requirements. The SIPB HMMI is an information technology that links intelligence analysts to space operators, enabling them to share in the production, dissemination and visualization of predictive and highly graphic decision-making products - SIPBs. The SIPB HMMI gives the JSpOC, JFCCs, and COCOM J2/J3/J5s an Adaptive Planning tool to obtain adversary space and counterspace tactics, centers of gravity, and courses of action. Linking existing space operational and intelligence data, databases, and products, the SIPB HMMI becomes the integral effort for a space intelligence TCPED capability that influences the kill chain.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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| APPROPRIATION/BUDGET ACTIVITY<br>3600: Research, Development, Test & Evaluation, Air Force<br>BA 7: Operational Systems Development  |  | R-1 ITEM NOMENCLATURE<br>PE 0102823F: Strategic Aerospace Intelligence System Activities |         |                  |             |               |
| B. Program Change Summary (\$ in Millions)   |  | FY 2012  | FY 2013 | FY 2014 Base     | FY 2014 OCO | FY 2014 Total |
| Previous President's Budget  |  | 0.014  | 0.000   | 0.000            | -           | 0.000         |
| Current President's Budget   |  | 0.014  | 0.000   | 0.000            | -           | 0.000         |
| Total Adjustments  |  | 0.000  | 0.000   | 0.000            | -           | 0.000         |
| • Congressional General Reductions   |  | -  | 0.000   |                  |             |               |
| • Congressional Directed Reductions  |  | -  | 0.000   |                  |             |               |
| • Congressional Rescissions  |  | 0.000  | 0.000   |                  |             |               |
| • Congressional Adds   |  | -  | 0.000   |                  |             |               |
| • Congressional Directed Transfers   |  | -  | 0.000   |                  |             |               |
| • Reprogrammings   |  | 0.000  | 0.000   |                  |             |               |
| • SBIR/STTR Transfer   |  | 0.000  | 0.000   |                  |             |               |
| • Other Adjustments  |  | 0.000  | 0.000   | 0.000            | -           | 0.000         |
| C. Accomplishments/Planned Programs (\$ in Millions)   |  |  |         | FY 2012          | FY 2013     | FY 2014       |
| Title: Net Centric Capability  |  |  |         | 0.014            | 0.000       | 0.000         |
| Description: Developed net-centric capability for Space IPB data owners and subscribers across the space and non-space intelligence communities to rapidly update Space IPB doctrinal templates and underlying data.                               |  |  |         |                  |             |               |
| FY 2012 Accomplishments:<br>Completed development of net-centric capability for Space IPB data owners and subscribers across the space and non-space intelligence communities to rapidly update Space IPB doctrinal templates and underlying data. |  |  |         |                  |             |               |
| FY 2013 Plans:<br>N/A  |  |  |         |                  |             |               |
| FY 2014 Plans:<br>N/A  |  |  |         |                  |             |               |
| Accomplishments/Planned Programs Subtotals   |  |  |         | 0.014            | 0.000       | 0.000         |
| D. Other Program Funding Summary (\$ in Millions)<br>N/A   |  |  |         |                  |             |               |
| Remarks  |  |  |         |                  |             |               |
| E. Acquisition Strategy<br>Spiral 4: Followed an evolutionary acquisition strategy with spiral upgrades.   |  |  |         |                  |             |               |

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| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i><br>BA 7: <i>Operational Systems Development</i>  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0102823F: <i>Strategic Aerospace Intelligence System Activities</i> |
| <b>F. Performance Metrics</b><br>Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission. |  |  |

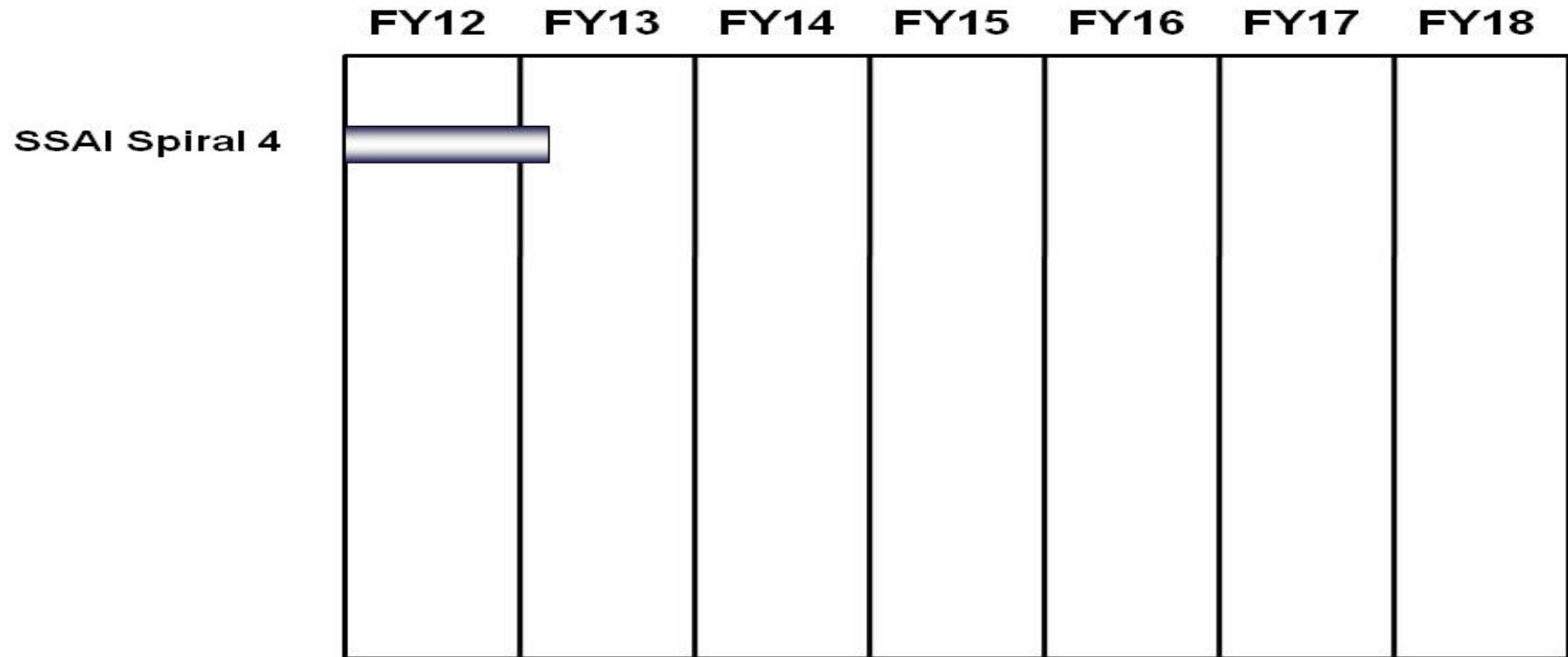
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|--|-----------------------------------|---|------------------------|----------------|-------------------|---|-------------------|---------------------|-------------------|---|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2014 Air Force</b>   |                                   |   |                        |                |                   |   |                   |                     |                   |   |                   |                      | <b>DATE:</b> April 2013 |                   |                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>3600: Research, Development, Test & Evaluation, Air Force<br>BA 7: Operational Systems Development |                                   |   |                        |                |                   | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0102823F: Strategic Aerospace Intelligence System Activities |                   |                     |                   | <b>PROJECT</b><br>675011: Space Situational Awareness Initiatives |                   |                      |                         |                   |                                 |
| <b>Product Development (\$ in Millions)</b>  |                                   |   |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b>  |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
| <b>Cost Category Item</b>  | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All 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> |
| Space Situational Awareness Initiatives  | TBD                               | TBD:TBD,                                  | -                      | 0.014          | Feb 2012          | 0.000   |                   | 0.000               |                   | -   |                   | 0.000                | Continuing              | Continuing        | TBD                             |
| <b>Subtotal</b>  |                                   |   | 0.000                  | 0.014          |                   | 0.000   |                   | 0.000               |                   | 0.000   |                   | 0.000                |                         |                   |                                 |
| <b>Support (\$ in Millions)</b>  |                                   |   |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b>  |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
| <b>Cost Category Item</b>  | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All 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> |
| <b>Subtotal</b>  |                                   |   | 0.000                  | 0.000          |                   | 0.000   |                   | 0.000               |                   | 0.000   |                   | 0.000                | 0.000                   | 0.000             | 0.000                           |
| <b>Test and Evaluation (\$ in Millions)</b>  |                                   |   |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b>  |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
| <b>Cost Category Item</b>  | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All 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> |
| <b>Subtotal</b>  |                                   |   | 0.000                  | 0.000          |                   | 0.000   |                   | 0.000               |                   | 0.000   |                   | 0.000                | 0.000                   | 0.000             | 0.000                           |
| <b>Management Services (\$ in Millions)</b>  |                                   |   |                        | <b>FY 2012</b> |                   | <b>FY 2013</b>  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b>  |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
| <b>Cost Category Item</b>  | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All 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> |
| <b>Subtotal</b>  |                                   |   | 0.000                  | 0.000          |                   | 0.000   |                   | 0.000               |                   | 0.000   |                   | 0.000                | 0.000                   | 0.000             | 0.000                           |
|  |                                   |   | <b>All Prior Years</b> | <b>FY 2012</b> |                   | <b>FY 2013</b>  |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b>  |                   | <b>FY 2014 Total</b> | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| <b>Project Cost Totals</b>   |                                   |   | 0.000                  | 0.014          |                   | 0.000   |                   | 0.000               |                   | 0.000   |                   | 0.000                |                         |                   |                                 |
| <b>Remarks</b>   |                                   |   |                        |                |                   |   |                   |                     |                   |   |                   |                      |                         |                   |                                 |

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| <b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2014 Air Force  |  | <b>DATE:</b> April 2013  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i><br>BA 7: <i>Operational Systems Development</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0102823F: <i>Strategic Aerospace Intelligence System Activities</i> | <b>PROJECT</b><br>675011: <i>Space Situational Awareness Initiatives</i> |

## SIPB HMMI



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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Air Force   |  | <b>DATE:</b> April 2013  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i><br>BA 7: <i>Operational Systems Development</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0102823F: <i>Strategic Aerospace Intelligence System Activities</i> | <b>PROJECT</b><br>675011: <i>Space Situational Awareness Initiatives</i> |

Schedule Details

| Events                                  | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| Space Situational Awareness Initiatives | 1       | 2012 | 1       | 2013 |