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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification: PB 2023 Air Force</b>  |                    |                |                |                     |   |                      |                |                |                |                | <b>Date: April 2022</b> |                   |
|---|--------------------|----------------|----------------|---------------------|---|----------------------|----------------|----------------|----------------|----------------|-------------------------|-------------------|
| <b>Appropriation/Budget Activity</b><br>3620F: Research, Development, Test & Evaluation, Space Force I BA 7:<br>Operational Systems Development |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 1203165SF I NAVSTAR Global Positioning System (Space and Control Segments) |                      |                |                |                |                |                         |                   |
| <b>COST (\$ in Millions)</b>  | <b>Prior Years</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023 Base</b> | <b>FY 2023 OCO</b>  | <b>FY 2023 Total</b> | <b>FY 2024</b> | <b>FY 2025</b> | <b>FY 2026</b> | <b>FY 2027</b> | <b>Cost To Complete</b> | <b>Total Cost</b> |
| Total Program Element   | -                  | 1.643          | 1.966          | 2.062               | 0.000   | 2.062                | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                   | 5.671             |
| 67A025: GPS Enterprise Integrator   | -                  | 1.643          | 1.966          | 2.062               | 0.000   | 2.062                | 0.000          | 0.000          | 0.000          | 0.000          | 0.000                   | 5.671             |
| Quantity of RDT&E Articles  | -                  | -              | -              | -                   | -   | -                    | -              | -              | -              | -              |                         |                   |

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

Detailed information on this effort remains classified and will be provided on a need-to-know basis. Effort to end in FY 2023.

Space acquisition must respond with speed and agility to emerging adversary threats. Space Systems Command (SSC) has transformed the organization and implementation of space acquisition to an enterprise approach, maximizing innovation and resiliency, leveraging international, commercial, and mission partnerships, and managing program/project priorities according to an integrated unclassified/classified enterprise space architecture. Expanding the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, SSC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose existing capabilities.

This program may include necessary civilian pay expenses required to manage, execute, and deliver NAVSTAR weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 1206392SF and 1206398SF.

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.

| <b>B. Program Change Summary (\$ in Millions)</b> | <b>FY 2021</b> | <b>FY 2022</b> | <b>FY 2023 Base</b> | <b>FY 2023 OCO</b> | <b>FY 2023 Total</b> |
|---|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget                       | 1.984          | 1.966          | 0.000               | 0.000              | 0.000                |
| Current President's Budget                        | 1.643          | 1.966          | 2.062               | 0.000              | 2.062                |
| Total Adjustments                                 | -0.341         | 0.000          | 2.062               | 0.000              | 2.062                |
| • Congressional General Reductions                | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Directed Reductions               | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Rescissions                       | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Adds                              | 0.000          | 0.000          |                     |                    |                      |
| • Congressional Directed Transfers                | 0.000          | 0.000          |                     |                    |                      |
| • Reprogrammings                                  | 0.000          | 0.000          |                     |                    |                      |
| • SBIR/STTR Transfer                              | -0.341         | 0.000          |                     |                    |                      |
| • Other Adjustments                               | 0.000          | 0.000          | 2.062               | 0.000              | 2.062                |

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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2023 Air Force | <b>Date:</b> April 2022 |
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|---|--|
| <b>Appropriation/Budget Activity</b><br>3620F: <i>Research, Development, Test &amp; Evaluation, Space Force I BA 7: Operational Systems Development</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 1203165SF / <i>NAVSTAR Global Positioning System (Space and Control Segments)</i> |
|---|--|

**Change Summary Explanation**

The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY2023 cannot be made in a relevant manner.

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

|   | FY 2021 | FY 2022 | FY 2023 |
|---|---------|---------|---------|
| <b>Title:</b> Classified Effort   | 1.643   | 1.966   | 2.062   |
| <b>Description:</b> Implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but not limited to, program office support, studies, technical analysis, experimentation, prototyping, etc. |         |         |         |
| <b>FY 2022 Plans:</b><br>Classified effort.   |         |         |         |
| <b>FY 2023 Plans:</b><br>Classified effort. Effort ends in FY 2023.   |         |         |         |
| <b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br>FY 2022 to FY 2023 funding increased as described above.  |         |         |         |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 1.643   | 1.966   | 2.062   |

**D. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**E. Acquisition Strategy**

N/A



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| <b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2023 Air Force</b> |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>3620F / 7                 | <b>R-1 Program Element (Number/Name)</b><br>PE 1203165SF / NAVSTAR Global Positioning System (Space and Control Segments) | <b>Project (Number/Name)</b><br>67A025 / GPS Enterprise Integrator |

| FY 2021 |   |   |   | FY 2022 |   |   |   | FY 2023 |   |   |   | FY 2024 |   |   |   | FY 2025 |   |   |   | FY 2026 |   |   |   | FY 2027 |   |   |   |
|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| 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 |

**NAVSTAR Global Positioning System (Space and Control Segments)**

Classified Effort [REDACTED]

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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2023 Air Force |   | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>3620F / 7                  | <b>R-1 Program Element (Number/Name)</b><br>PE 1203165SF / NAVSTAR Global Positioning System (Space and Control Segments) | <b>Project (Number/Name)</b><br>67A025 / GPS Enterprise Integrator |

Schedule Details

| Events by Sub Project   | Start   |      | End     |      |
|---|---------|------|---------|------|
|   | Quarter | Year | Quarter | Year |
| <b>NAVSTAR Global Positioning System (Space and Control Segments)</b> |         |      |         |      |
| Classified Effort   | 1       | 2021 | 4       | 2023 |

**Note**

Classified effort; details will be provided on a need-to-know basis.