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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2023 Air Force   |                    |                |                |                     |  |                      |                |                |                | <b>Date:</b> April 2022 |                         |                   |
|--|--------------------|----------------|----------------|---------------------|--|----------------------|----------------|----------------|----------------|-------------------------|-------------------------|-------------------|
| <b>Appropriation/Budget Activity</b><br>3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i> |                    |                |                |                     | <b>R-1 Program Element (Number/Name)</b><br>PE 0305128F / <i>Security and Investigative Activities</i> |                      |                |                |                |                         |                         |                   |
| <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  | -                  | 0.415          | 0.223          | 0.223               | 0.000  | 0.223                | 0.469          | 0.477          | 0.487          | 0.497                   | Continuing              | Continuing        |
| 671931: <i>TECH SURVEIL COUNTER MEAS EQPT</i>  | -                  | 0.415          | 0.223          | 0.223               | 0.000  | 0.223                | 0.469          | 0.477          | 0.487          | 0.497                   | Continuing              | Continuing        |
| Quantity of RDT&E Articles   | -                  | -              | -              | -                   | -  | -                    | -              | -              | -              | -                       |                         |                   |

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

Technical Surveillance Countermeasures (TSCM) develops future technologies designed to find, fix, track, and neutralize law enforcement and counterintelligence threats to the Department of the Air Force (DAF). The technologies will enable criminal and counterintelligence investigations and operations involving high-tech crimes and cyber activities. The technologies are unique, complex, and the equipment must be continuously updated to ensure state-of-the-art capabilities are utilized to counter increasingly sophisticated threats targeting DAF equities.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY21 0.000M was expended for civilian pay expenses in this program element, and in FY22 0.000M is forecasted for civilian pay expenses in this program element.”

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                       | 0.431          | 0.223          | 0.000               | 0.000              | 0.000                |
| Current President's Budget                        | 0.415          | 0.223          | 0.223               | 0.000              | 0.223                |
| Total Adjustments                                 | -0.016         | 0.000          | 0.223               | 0.000              | 0.223                |
| • 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                              | -0.016         | 0.000          |                     |                    |                      |
| • Other Adjustments                               | 0.000          | 0.000          | 0.223               | 0.000              | 0.223                |

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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>3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 7: Operational Systems Development</i> | <b>R-1 Program Element (Number/Name)</b><br>PE 0305128F / <i>Security and Investigative Activities</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.

FY21 \$16K SBIR - transfer.

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

|   | FY 2021 | FY 2022 | FY 2023 |
|---|---------|---------|---------|
| <b>Title:</b> TSCM  | 0.415   | 0.223   | 0.223   |
| <b>Description:</b> These funds will support development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities. |         |         |         |
| <b>FY 2022 Plans:</b><br>Develop law enforcement and counterintelligence restricted tools.  |         |         |         |
| <b>FY 2023 Plans:</b><br>Continue development of law enforcement and counterintelligence restricted tools.  |         |         |         |
| <b>FY 2022 to FY 2023 Increase/Decrease Statement:</b><br>N/A   |         |         |         |
| <b>Accomplishments/Planned Programs Subtotals</b>   | 0.415   | 0.223   | 0.223   |

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

N/A

**Remarks**

**E. Acquisition Strategy**

Market Research and acquisition channels. These funds will support iterative development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities. Market research is continuously conducted jointly with partner DoD and USG entities, and once complete, acquisition channels are coordinated and deconflicted.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force** **Date:** April 2022

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|--|---|---|
| <b>Appropriation/Budget Activity</b><br>3600 / 7 | <b>R-1 Program Element (Number/Name)</b><br>PE 0305128F / Security and Investigative Activities | <b>Project (Number/Name)</b><br>671931 / TECH SURVEIL COUNTER MEAS EQPT |
|--|---|---|

| Support (\$ in Millions)   |                        |                                |             | FY 2021 |            | FY 2022 |            | FY 2023 Base |            | FY 2023 OCO |            | FY 2023 Total | Cost To Complete | Total Cost | Target Value of Contract |
|----------------------------|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item         | Contract Method & Type | Performing Activity & Location | Prior Years | Cost    | Award Date | Cost    | Award Date | Cost         | Award Date | Cost        | Award Date | Cost          |                  |            |                          |
| TSCM R/D                   | MIPR                   | HQ AFOSI : Quantico, VA        | -           | 0.415   | Apr 2021   | 0.223   | Apr 2022   | 0.223        | Apr 2023   | -           |            | 0.223         | Continuing       | Continuing | -                        |
| <b>Subtotal</b>            |                        |                                | -           | 0.415   |            | 0.223   |            | 0.223        |            | -           |            | 0.223         | Continuing       | Continuing | N/A                      |
| <b>Project Cost Totals</b> |                        |                                | -           | 0.415   |            | 0.223   |            | 0.223        |            | -           |            | 0.223         | Continuing       | Continuing | N/A                      |

**Remarks**  
 These funds will support development of next generation Technical Surveillance Countermeasures (TSCM) capabilities, and specialized law enforcement and counterintelligence restricted tools necessary to counter threats, and exploit cyberspace, digital media storage and mobile audio/visual/data communications for operational and felony-level investigative activities.

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| <b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2023 Air Force |  | <b>Date:</b> April 2022  |
| <b>Appropriation/Budget Activity</b><br>3600 / 7                  | <b>R-1 Program Element (Number/Name)</b><br>PE 0305128F / <i>Security and Investigative Activities</i> | <b>Project (Number/Name)</b><br>671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i> |

|  | 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 |

|   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <b>Technical Surveillance Equipment Test &amp; Evaluation</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Transition from Phase II TSCM LASER Project to Phase III      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Complete Phase VI TSCM LASER Project                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Complete Phase VII TSCM LASER Project                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tech Service Ops Advanced Tool Development                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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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>3600 / 7                   | <b>R-1 Program Element (Number/Name)</b><br>PE 0305128F / <i>Security and Investigative Activities</i> | <b>Project (Number/Name)</b><br>671931 / <i>TECH SURVEIL COUNTER MEAS EQPT</i> |

Schedule Details

| Events by Sub Project  | Start   |      | End     |      |
|--|---------|------|---------|------|
|  | Quarter | Year | Quarter | Year |
| <b><i>Technical Surveillance Equipment Test &amp; Evaluation</i></b> |         |      |         |      |
| Transition from Phase II TSCM LASER Project to Phase III             | 1       | 2021 | 4       | 2021 |
| Complete Phase VI TSCM LASER Project                                 | 1       | 2021 | 4       | 2021 |
| Complete Phase VII TSCM LASER Project                                | 1       | 2022 | 4       | 2022 |
| Tech Service Ops Advanced Tool Development                           | 1       | 2022 | 4       | 2027 |