Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force

**Date:** February 2018

Appropriation/Budget Activity

3600: Research, Development, Test & Evaluation, Air Force I BA 5: System

Development & Demonstration (SDD)

R-1 Program Element (Number/Name)
PE 0604287F I Physical Security Equipment

Development & Demonstration (SDD)

| ,  |                |         |         |                 |                |                  |         |         |         |         |                     |               |  |  |  |
|--|----------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|---------------------|---------------|--|--|--|
| COST (\$ in Millions)                          | Prior<br>Years | FY 2017 | FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To<br>Complete | Total<br>Cost |  |  |  |
| Total Program Element                          | -              | 63.101  | 19.739  | 14.421          | 0.000          | 14.421           | 9.700   | 10.066  | 10.276  | 10.462  | Continuing          | Continuing    |  |  |  |
| 655120: Physical Security<br>Equipment - SD ED | -              | 63.101  | 19.739  | 14.421          | 0.000          | 14.421           | 9.700   | 10.066  | 10.276  | 10.462  | Continuing          | Continuing    |  |  |  |
| Quantity of RDT&E Articles                     | -              | -       | -       | -               | -              | -                | -       | -       | -       | -       |                     |               |  |  |  |

### A. Mission Description and Budget Item Justification

Integrated Base Defense Security Systems (IBDSS) provides improvements and enhancements, demonstrates, and tests Physical Security Equipment (PSE) systems to include Force Protection. This program supports the protection of tactical, fixed, and nuclear weapons systems, AF personnel and AF facilities. The PSE program is organized to provide PSE RDT&E for Air Force specific needs but as a complement to, and in conjunction with, the PSE RDT&E programs funded by the DOD Physical Security Enterprise and Analysis Group (PSEAG). As such this program will obtain, demonstrate, and test PSE in the same manner and to the same standards and architecture as PSEAG-funded projects to ensure interoperability with PSEAG-developed PSE. In support of PSE, this RDT&E program includes spectrum planning for radio frequency (RF), communication security (cyber), and information assurance requirements. This Program Element also includes funding for Force Protection Commercial Off The Shelf (FP COTS) market research, evaluation and testing. The FP COTS testing applies to all available technologies (delay, denial, detection, assessment, communication display, access control, power, mobility, and defeat effects) which are considered effective for AF physical security use. This program supports the maintenance and test support at Site C 3 and the Cold Weather Test Site (CWTS), as annotated in DoD Directive 3200.11, listing the 46th Test Wing (TW) as a Major Range and Test facility, conducting developmental and operational testing as the primary mission. Force Protection programs are inherently subject to rapid changes in the operational environment and will retain sufficient Program flexibility to meet changes in location, scope and capability in order to protect Air Force people, facilities and warfighting assets.

Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Emergent Operational Need (JEON) is a rapid acquisition and deployment capability existing of full kill (detect, track, assess and defeat with various capabilities (fixed, mobile, portable and hand-held.) It is a layered system-of-systems using COTS technologies, integrated via GOTS C2 system.

Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON) supports EUCOM JUON to protect specific strategic assets in overseas theaters of operation from the evolution of small unmanned aerial systems based on low cost, extensive proliferation, and availability in the commercial marketplace. This is Overseas Contingency Operations (OCO) funding.

Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON)in support of the Combined Joint Task Force - Operations INHERENT RESOLVE in CENTCOM. This funding protects assets from the evolution of small UAS systems based on low cost, extensive proliferation and availability in the current market place.

Counter Small Unmanned Aerial System (Cs-UAS) protection capabilities at downward selected high propriety sites.

PE 0604287F: Physical Security Equipment

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force |   | Date: February 2018 |
|---|---|---------------------|
|   | R-1 Program Element (Number/Name) PE 0604287F I Physical Security Equipment |                     |

Air Base Ground Defense (ABGD) will support all Development testing, Evaluation, Integration, Certification, and proof of concept for Tactical Automated Security Systems (TASS) and other tactical/expeditionary equipment that is required to provide robust force protection capabilities worldwide; flight-line security, aircraft, intelligence, surveillance, and reconnaissance assets, critical infrastructure, sustained sortie generation and air operations, advanced technology force multipliers to include: night vision and thermal imagery equipment, counter sniper/battery capabilities, ground weapons, target acquisition radar, inter operable tactical communications, [required C3 and protective standoff equipment for] wheeled tactical [non-tactical], armored [un-armored] vehicles, tactical sensors systems, and unit/personnel protective field equipment. Additionally, ABGD will support all Development testing, Evaluation, Integration, Certification, and proof of concept for Technology Integration Management (TIM) and associated integration and interoperability efforts

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver these weapon system capabilities.

This program is in Budget Activity 5, System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full rate production.

| B. Program Change Summary (\$ in Millions)           | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total      |
|--|---------|---------|--------------|-------------|--------------------|
| Previous President's Budget                          | 35.458  | 19.739  | 9.492        | 0.000       | 9.492              |
| Current President's Budget                           | 63.101  | 19.739  | 14.421       | 0.000       | 14.421             |
| Total Adjustments                                    | 27.643  | 0.000   | 4.929        | 0.000       | 4.929              |
| <ul> <li>Congressional General Reductions</li> </ul> | 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                                   | 0.000   | 0.000   |              |             |                    |
| Other Adjustments                                    | 27.643  | 0.000   | 4.929        | 0.000       | 4.929              |
| O A (6 to Battle )                                   |         |         |              | E\/ 00      | 40 57,0040 57,0040 |

| C. Accomplishments/Planned Programs (\$ in Millions) | FY 2017 | FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total |
|--|---------|---------|-----------------|----------------|------------------|
| Title: IBDSS-1                                       | 8.458   | 9.239   | 9.421           | -              | 9.421            |

PE 0604287F: Physical Security Equipment Air Force

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force   |  |         |         | Date: Febr      | uary 2018      |                  |
|---|--|---------|---------|-----------------|----------------|------------------|
| Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)  | R-1 Program Element (Number/<br>PE 0604287F / Physical Security  |         |         | 1               |                |                  |
| C. Accomplishments/Planned Programs (\$ in Millions)  |  | FY 2017 | FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total |
| <b>Description:</b> IBDSS (Integrated Base Defense Security Systems) qualifies, de Security Equipment (PSE) systems to include Force Protection. This continuir Physical Security Equipment.  |  |         |         |                 |                |                  |
| FY 2018 Plans: Includes, but not limited to continuing Force Protection Commercial Off The St evaluation and testing to address capability gaps and obsolescence. This incl qualify COTS equipment to provide essential upgrades/improvements and statintegrated based security systems installations worldwide. Type of technologic assessment/communication display/access control/power equipment; systems  Continue with previous integrated or modified COTS efforts to improve IBDSS - Purchasing and installing Video Analytics - Re-compete Command, Control, Detection, Equipment (CCDE)effort - Test and integrate Ground Base Radars (GBRs) - Complete Tactical Automated Security System (TASS)(also known as Tactic Market research replacement for Long Range Passive Infrared Radar (PIR) - Purchase and installing Cameras for obscured views - Conduct analyses to include the adversary needs assessment and System Ethe Nuclear Environment Qualify Physical Security Alarm Systems; identify, integrate and evaluate fus improve command, control and communication to include fusion of disparate s indicators.  FY 2019 Base Plans: Includes, but not limited to continuing Force Protection Commercial Off The St evaluation and testing to address capability gaps and obsolescence. This includalify COTS equipment to provide essential upgrades/improvements and statintegrated based security systems installations worldwide. Type of technologic assessment/communication display/access control/power equipment & system | dudes integration and testing to te-of the art technology to support es includes delay/denial/detection/s for IBDSS projects.  physical security equipment:  al Security System)  Effectiveness Assessment (SEA) of sion and display capability to sensor technologies and threat thelf (COTS) market research, ludes integration and testing to te-of the art technology to support es includes delay/denial/detection/ |         |         |                 |                |                  |

PE 0604287F: *Physical Security Equipment* Air Force

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 5: System

Development & Demonstration (SDD)

PE 0604287F I Physical Security Equipment

| C. Accomplishments/Planned Programs (\$ in Millions)  | FY 2017 | FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total |
|---|---------|---------|-----------------|----------------|------------------|
| Continue with previous integrated or modified COTS efforts to improve IBDSS physical security equipment.  |         |         |                 |                |                  |
| FY 2018 to FY 2019 Increase/Decrease Statement: PEM HAF/A4 Request  |         |         |                 |                |                  |
| <b>Title:</b> Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Emergent Operational Need (JEON) - STRATCOM  | 16.000  | 10.500  | -               | -              | _                |
| <b>Description:</b> Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Emergent Operational Need (JEON) is a rapid acquisition and deployment capability existing of full kill (detect, track, assess and defeat with various capabilities (fixed, mobile, portable and hand-held.) It is a layered system-of-systems using COTS technologies, integrated via GOTS C2 system.                           |         |         |                 |                |                  |
| FY 2018 Plans: Complete Communication and Control (C2) and Fixed-Site DT/OT.  |         |         |                 |                |                  |
| FY 2018 to FY 2019 Increase/Decrease Statement: All development for this JEON will be completed by Nov 18   |         |         |                 |                |                  |
| Title: Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON)- EUCOM   | 11.000  | 0.000   | 0.000           | -              | 0.00             |
| <b>Description:</b> Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON) supports EUCOM JUON to protect specific strategic assets in overseas theaters of operation from the evolution of small unmanned aerial systems based on low cost, extensive proliferation, and availability in the commercial marketplace. This is Overseas Contingency Operations (OCO) funding. |         |         |                 |                |                  |
| FY 2018 Plans: No FY18 funding required.  |         |         |                 |                |                  |
| FY 2019 Base Plans:<br>N/A  |         |         |                 |                |                  |
| FY 2018 to FY 2019 Increase/Decrease Statement: N/A   |         |         |                 |                |                  |
| Title: Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON) - CENTCOM  | 27.643  | 0.000   | 0.000           | -              | 0.00             |
| <b>Description:</b> Counter Small Unmanned Aerial Systems )Cs-UAS) Joint Urgent Operational Need (JUON) in support of the Combined Joint Task Force - Operations INHERENT RESOLVE in CENTCOM. This funding  |         |         |                 |                |                  |

PE 0604287F: *Physical Security Equipment* Air Force

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| O.   | 10LAGGII ILD  |         |         |                 |                |                  |
|--|---|---------|---------|-----------------|----------------|------------------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force  |   |         |         | Date: Febr      | uary 2018      |                  |
| Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)                                 | R-1 Program Element (Number PE 0604287F / Physical Securi |         |         |                 |                |                  |
| C. Accomplishments/Planned Programs (\$ in Millions)   |   | FY 2017 | FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total |
| protects assets from the evolution of small UAS systems based on low cost, e availability in the current market place.   | xtensive proliferation and                                |         |         |                 |                |                  |
| FY 2018 Plans: Includes but not limited to DT&E of Blue Force UAV and SIL-Trainer, Integration AMRDEC. Maintain Signal Library and Software Updates for WISP and NINJ.   |   |         |         |                 |                |                  |
| FY 2019 Base Plans:<br>None  |   |         |         |                 |                |                  |
| <b>Title:</b> Counter Small Unmanned Aerial System (Cs-UAS) protection capabilities priority sites.  | es at downward selected high                              | 0.000   | 0.000   | 5.000           | 0.000          | 5.000            |
| Description: N/A   |   |         |         |                 |                |                  |
| FY 2018 Plans:<br>N/A<br>FY 2019 Base Plans:   |   |         |         |                 |                |                  |
| Plans include but are not limited to:  |   |         |         |                 |                |                  |
| -Research/development/integration into DE/laser options for C-sUAS defeat options.   |   |         |         |                 |                |                  |
| -Research/development/integration for passive and/or bistatic detection capabilities.  |   |         |         |                 |                |                  |
| -Continued research/development efforts into blue-force C-sUAS capabilities.   |   |         |         |                 |                |                  |
| -Research/development/integration for communicating up and down the C2 structure for C-sUAS SA and C2.   |   |         |         |                 |                |                  |
| -Integration of new/upgraded capabilities into our C-sUAS C2 system, and upgrades to our systems integration lab.  |   |         |         |                 |                |                  |
| -Incremental DT/OT required to verify/validate functional capabilities of newly integrated C-sUAS detect/track/id/defeat layersDevelopment of C-sUAS technology roadmap. |   |         |         |                 |                |                  |
| -Development of C-SOAS technology roadinap.  |   |         |         |                 |                |                  |
|  |   |         |         |                 |                |                  |

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force **Date:** February 2018

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 5: System

Development & Demonstration (SDD)

PE 0604287F I Physical Security Equipment

| C. Accomplishments/Planned Programs (\$ in Millions)    | FY 201                  | 7 FY 2018 | FY 2019<br>Base | FY 2019<br>OCO | FY 2019<br>Total |
|---|-------------------------|-----------|-----------------|----------------|------------------|
| -Development/sustainment of signatures library.         |                         |           |                 |                |                  |
| FY 2019 OCO Plans:<br>N/A                               |                         |           |                 |                |                  |
| FY 2018 to FY 2019 Increase/Decrease Statement: Plus up |                         |           |                 |                |                  |
| Accomplishments/Planned                                 | Programs Subtotals 63.1 | 01 19.739 | 14.421          | 0.000          | 14.421           |

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

|  |         |         | FY 2019     | FY 2019 | FY 2019      |         |         |         |         | Cost To    |                   |
|--|---------|---------|-------------|---------|--------------|---------|---------|---------|---------|------------|-------------------|
| <u>Line Item</u>                               | FY 2017 | FY 2018 | <b>Base</b> | 000     | <u>Total</u> | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Complete   | <b>Total Cost</b> |
| <ul> <li>OPAF 03 Line Item 29: Base</li> </ul> | 230.982 | 166.437 | 92.679      | -       | 92.679       | 76.406  | 50.241  | -       | -       | Continuing | Continuing        |
| Physical Security Systems                      |         |         |             |         |              |         |         |         |         |            |                   |

#### Remarks

## E. Acquisition Strategy

AFSFC and Force Protection program office investigates requirements to include new and/or obsolete items. COTS sub-systems, equipment and components are competitively acquired from industry after thorough market research. Equipment for testing is purchased via competitive selection processes via direct purchase orders. For security systems COTS that are required to be qualified for nuclear security environments where industry COTS sources may not be mature, consideration is given to replacement of new items or modification of COTS through the competitive selection procedure as well.

Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Emergent Operational Need (JEON). The Force Protection program office is acquiring COTS sub-systems and equipment for DT/OT as well as minor development of an existing C2 System for integration.

Counter Small Unmanned Aerial Systems (Cs-UAS) Joint Urgent Operational Need (JUON). The Force Protection program office is acquiring COTS sub-systems and equipment in support of EUCOM JUON for DT/OT as well as minor development of an existing C2 System for integration.

Delivery Orders on Indefinite Delivery/Indefinite Quantity contract vehicles or other approved purchase methods are utilized to acquire equipment.

#### F. Performance Metrics

Air Force

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.

PE 0604287F: Physical Security Equipment

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| Product Developme  | nt (\$ in M                  | illions)                          |                | FY 2   | 2017          | FY 2  | 2018          | FY 2<br>Ba |               |      | 2019<br>CO    | FY 2019<br>Total |            |               |                                |
|--|------------------------------|-----------------------------------|----------------|--------|---------------|-------|---------------|------------|---------------|------|---------------|------------------|------------|---------------|--------------------------------|
| Cost Category Item   | Contract<br>Method<br>& Type | Performing<br>Activity & Location | Prior<br>Years | Cost   | Award<br>Date | Cost  | Award<br>Date | Cost       | Award<br>Date | Cost | Award<br>Date | Cost             | Cost To    | Total<br>Cost | Target<br>Value of<br>Contract |
| Integrated Base Defense<br>Security Systems<br>(IBDSS-1)   | Various                      | Various : Various                 | -              | 2.053  |               | -     |               | 3.229      |               | -    |               | 3.229            | Continuing | Continuing    | -                              |
| Counter Small Unmanned<br>Aerial Systems (CsUAS)<br>Joint Emergent<br>Operational Need (JEON)<br>STRATCOM                  | Various                      | Various : Various                 | -              | 15.069 |               | 9.747 |               | -          |               | -    |               | -                | Continuing | Continuing    | -                              |
| Counter Small Unmanned<br>Aerial Systems (CsUAS)<br>Joint Urgent Operational<br>Need (JUON) EUCOM                          | MIPR                         | Various : Various                 | -              | 11.000 |               | -     |               | -          |               | -    |               | -                | Continuing | Continuing    | -                              |
| Counter Small Unmanned<br>Aerial Systems (CsUAS)<br>Joint Urgent Operational<br>Need (JUON) CENTCOM                        | Various                      | Various : Various                 | -              | 27.643 |               | -     |               | -          |               | -    |               | -                | Continuing | Continuing    | -                              |
| Counter Small Unmanned<br>Aerial System (Cs-UAS)<br>protection capabilities at<br>downward selected high<br>priority sites | Various                      | Various : Various                 | -              | -      |               | -     |               | 5.000      |               | -    |               | 5.000            | Continuing | Continuing    | -                              |
|  |                              | Subtotal                          | -              | 55.765 |               | 9.747 |               | 8.229      |               | -    |               | 8.229            | Continuing | Continuing    | N/A                            |

| Support (\$ in Millions                                  | Support (\$ in Millions)     |                                   |                |       | 2017          | FY 2018 |               | FY 2019<br>Base |               | FY 2019<br>OCO |               | FY 2019<br>Total |            |               |                                |
|--|------------------------------|-----------------------------------|----------------|-------|---------------|---------|---------------|-----------------|---------------|----------------|---------------|------------------|------------|---------------|--------------------------------|
| Cost Category Item                                       | Contract<br>Method<br>& Type | Performing<br>Activity & Location | Prior<br>Years | Cost  | Award<br>Date | Cost    | Award<br>Date | Cost            | Award<br>Date | Cost           | Award<br>Date | Cost             | Cost To    | Total<br>Cost | Target<br>Value of<br>Contract |
| Integrated Base Defense<br>Security Systems<br>(IBDSS-1) | Various                      | Various : Various                 | -              | 0.978 |               | 1.203   |               | 1.249           |               | -              |               | 1.249            | Continuing | Continuing    | -                              |
|  |                              | Subtotal                          | -              | 0.978 |               | 1.203   |               | 1.249           |               | -              |               | 1.249            | Continuing | Continuing    | N/A                            |

#### Remarks

The support funding is planned at the above amounts. If the support contracts are less, the available funds will be transitioned to the Product Development line.

PE 0604287F: *Physical Security Equipment* Air Force

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force

Appropriation/Budget Activity

3600 / 5

R-1 Program Element (Number/Name)
PE 0604287F / Physical Security Equipment 655120 / Physical Security Equipment - SD ED

| Test and Evaluation (\$ in Millions)  |                              | FY                                |                | FY 2017 FY 20 |               | 2018 FY 2 |               |       | FY 2019<br>OCO |      | FY 2019<br>Total | 1                  |            |            |                                |
|---|------------------------------|-----------------------------------|----------------|---------------|---------------|-----------|---------------|-------|----------------|------|------------------|--------------------|------------|------------|--------------------------------|
| Cost Category Item  | Contract<br>Method<br>& Type | Performing<br>Activity & Location | Prior<br>Years | Cost          | Award<br>Date | Cost      | Award<br>Date | Cost  | Award<br>Date  | Cost | Award<br>Date    | Cost               | Cost To    |            | Target<br>Value of<br>Contract |
| Integrated Base Defense<br>Security Systems<br>(IBDSS-1)  | PO                           | TAC-3 : FL                        | -              | 5.427         |               | 8.035     |               | 4.943 |                | -    |                  | 4.943              | Continuing | Continuing | -                              |
| Counter Small Unmanned<br>Aerial Systems (CsUAS)<br>Joint Emergent<br>Operational Need (JEON)<br>STRATCOM | РО                           | TAC-3 : FL                        | -              | 0.931         |               | 0.754     |               | -     |                | -    |                  | -                  | Continuing | Continuing | -                              |
|   |                              | Subtotal                          | -              | 6.358         |               | 8.789     |               | 4.943 |                | -    |                  | 4.943              | Continuing | Continuing | N/A                            |
|   |                              |                                   |                |               |               |           |               |       |                |      |                  | <b>5</b> 1/ 00 / 0 |            |            | Target                         |

#### Prior FY 2019 FY 2019 FY 2019 Cost To Total Value of FY 2018 Years FY 2017 Base oco Total Complete Cost Contract 14.421 Continuing Continuing **Project Cost Totals** 63.101 19.739 14.421 N/A

### Remarks

Various delivery orders will be awarded throughtout the fiscal year for numerous projects.

PE 0604287F: Physical Security Equipment

Air Force

| Exhibit R-4, RDT&E Schedule Profile: PB 2019 A     | ir Fo | orce | 9   |    |     |  |             |     |   |    |     |   |   |     |      |   |   |      |      |   |   | Dat | e: Fe | ebru | ary | 201 | 8   |   |
|--|-------|------|-----|----|-----|--|-------------|-----|---|----|-----|---|---|-----|------|---|---|------|------|---|---|-----|-------|------|-----|-----|-----|---|
| , ·· ·   |       |      |     |    | - 1 | R-1 Program Element (Number/Name) PE 0604287F / Physical Security Equipment  655120 / Physical Security Equipment - SE |             |     |   |    |     |   |   |     |      |   |   |      |      |   |   |     |       |      |     |     |     |   |
|  |       | FY   | 201 | 17 |     | FY   | <b>/</b> 20 | 18  |   | FY | 201 | 9 |   | FY  | 2020 |   |   | FY 2 | 2021 |   |   | FY: | 2022  | 2    |     | FY  | 202 | 3 |
|  | 1     | 2    | 3   | 4  | l 1 | 2  | 2 3         | 3 4 | 1 | 2  | 3   | 4 | 1 | 1 2 | 3    | 4 | 1 | 2    | 3    | 4 | 1 | 2   | 3     | 4    | 1   | 2   | 3   | 4 |
| FY19 Events  |       |      |     |    |     |  |             |     |   |    |     |   |   |     |      |   |   |      |      |   |   |     |       |      |     |     |     |   |
| Integrated Base Defense Security Systems (IBDSS-1) |       |      |     |    |     |  |             |     |   |    |     |   |   |     |      |   |   |      |      |   |   |     |       |      |     |     |     |   |

PE 0604287F: Physical Security Equipment Air Force

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| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force |   |       | Date: February 2018                             |
|---|---|-------|---|
| 1   | R-1 Program Element (Number/Name) PE 0604287F I Physical Security Equipment | - , ( | umber/Name)<br>Physical Security Equipment - SD |

# Schedule Details

|  | St      | art  | E       | nd   |
|--|---------|------|---------|------|
| Events by Sub Project                              | Quarter | Year | Quarter | Year |
| FY19 Events  |         |      |         |      |
| Integrated Base Defense Security Systems (IBDSS-1) | 1       | 2018 | 4       | 2019 |

PE 0604287F: *Physical Security Equipment* Air Force

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