| Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | |
|---|---|---|---|---|---|---|---|---|---|---|---|

| Appropriation/Budget Activity<br>2040: *Research, Development, Test & Evaluation, Army I* BA 7: *Operational Systems Development* | | | | | R-1 Program Element (Number/Name)<br>PE 0307665A *I Biometrics Enabled Intelligence* | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

| COST ($ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Program Element | - | 8.573 | 6.524 | 2.000 | 2.214 | 4.214 | 2.236 | 2.259 | 2.259 | 2.304 | 0.000 | 28.369 |
| BI7: *Biometrics Enabled Intelligence - MIP* | - | 8.573 | 6.524 | 0.000 | 2.214 | 2.214 | 2.236 | 2.259 | 2.259 | 2.304 | 0.000 | 26.369 |
| FL5: *Next Gen Biometric Collection Capability (MIP)* | - | 0.000 | 0.000 | 2.000 | - | 2.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.000 |

## A. Mission Description and Budget Item Justification

The Next Generation Biometrics Collection Capability (NXGBCC) is the replacement system for the Biometrics Automated Toolset-Army (BAT-A). The BAT-A is the current Army Program of Record for tactical biometrics collection capability. The BAT-A was originally developed as a Quick Reaction Capability. These devices have been deployed in a combat zone for over 19 years, well beyond the standard 3 to 6 years of useful electronic equipment life. NXGBCC will be an integrated system of Commercial-Off-The-Shelf (COTS) hardware and software, comprising a kit, data base, and transport architecture. NXGBCC will be capable of operating on multiple communications networks and achieve near real-time identity matching and data synchronization. NXGBCC will add to the number of biometric modalities collected, provide matches to the Warfighter in less than 3 minutes, increase the data sharing capability, and reduce weight, power, and cost. NXGBCC will use a Local Trusted Source composed of a distributed database capable of being used worldwide, data management software, forward biometric matching software, and an analysis portal. Also, the NXGBCC collection kit(s) will be composed of 1 or more collection devices, a credential/badge device, and document scanning device. Beginning with FY 2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5.

Identity Intelligence Repository (I2AR) will serve as an analytical tool to produce, manage, and disseminate the DoD Biometrically Enabled Watchlist (BEWL) as well as extend opportunities for system and data integration with enhanced analytic data sharing across the Army and Intelligence Community (IC) partners. Analysts will use I2AR to conduct analysis and develop intelligence reports, in support of DoD and national community missions. I2AR will include the legacy Biometric Identity Intelligence Resource (BI2R) functionality as well as elasticity, encryption, and open source software for enduring interoperability with DoD, IC, and external partners.

Justification:
Beginning with FY 2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5. The $2.000 million of FY 2020 Base Funding in FL5 will complete the prototype selection process via the Other Transaction Agreement (OTA) started in FY 2018. Also, the program office will begin Operational and Interoperability Testing along with New Equipment Training development.

The FY 2020 OCO of $2.214 million in BI7 will continue to support the development of new software code & associated testing to deliver the Identity Intelligence Analytic Resource (I2AR) a replacement for the Biometrics Identity Intelligence Repository (BI2R -the unique software-based analytic production system used by DoD's intelligence analysts to create products such as the Biometric Enabled Watchlist for Operation Freedom's Sentinel (OFS) and other worldwide missions) on cloud computing platforms.

| Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army | | | | Date: March 2019 | |
|---|---|---|---|---|---|
| **Appropriation/Budget Activity**<br>2040: *Research, Development, Test & Evaluation, Army* I BA 7: *Operational Systems Development* | | | **R-1 Program Element (Number/Name)**<br>PE 0307665A I *Biometrics Enabled Intelligence* | | |
| **B. Program Change Summary ($ in Millions)** | **FY 2018** | **FY 2019** | **FY 2020 Base** | **FY 2020 OCO** | **FY 2020 Total** |
| Previous President's Budget | 8.573 | 6.524 | 4.800 | - | 4.800 |
| Current President's Budget | 8.573 | 6.524 | 2.000 | 2.214 | 4.214 |
| Total Adjustments | 0.000 | 0.000 | -2.800 | 2.214 | -0.586 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Adjustments to Budget Years | - | - | -2.800 | 2.214 | -0.586 |

**Change Summary Explanation**

The FY 2020 Base funding request in FL5 for NXGBCC was reduced by $2.800 million to support other Army requirements.

I2AR received FY 2020 OCO funding in BI7 for continued support of the development of new software code and associated testing.

| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
|---|---|---|

| Appropriation/Budget Activity<br>2040 I 7 | R-1 Program Element (Number/Name)<br>PE 0307665A I Biometrics Enabled<br>Intelligence | Project (Number/Name)<br>BI7 I Biometrics Enabled Intelligence - MIP |
|---|---|---|

| COST ($ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BI7: *Biometrics Enabled Intelligence - MIP* | - | 8.573 | 6.524 | 0.000 | 2.214 | 2.214 | 2.236 | 2.259 | 2.259 | 2.304 | 0.000 | 26.369 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

## A. Mission Description and Budget Item Justification

The Next Generation Biometrics Collection Capability (NXGBCC) is the replacement system for the Biometrics Automated Toolset-Army (BAT-A). The BAT-A is the current Army Program of Record for tactical biometrics collection capability. The BAT-A was originally developed as a Quick Reaction Capability. These devices have been deployed in a combat zone for over 19 years, well beyond the standard 3 to 6 years of useful electronic equipment life. NXGBCC will be an integrated system of Commercial-Off-The-Shelf (COTS) hardware and software, comprising a kit, data base, and transport architecture. NXGBCC will be capable of operating on multiple communications networks and achieve near real-time identity matching and data synchronization. NXGBCC will add to the number of biometric modalities collected, provide matches to the Warfighter in less than 3 minutes, increase the data sharing capability, and reduce weight, power, and cost. NXGBCC will use a Local Trusted Source composed of a distributed database capable of being used worldwide, data management software, forward biometric matching software, and an analysis portal. Also, the NXGBCC collection kit(s) will be composed of 1 or more collection devices, a credential/badge device, and document scanning device. Beginning with FY 2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5.

Identity Intelligence Repository (I2AR) will serve as an analytical tool to produce, manage, and disseminate the DoD Biometrically Enabled Watchlist (BEWL) as well as extend opportunities for system and data integration with enhanced analytic data sharing across the Army and Intelligence Community (IC) partners. Analysts will use I2AR to conduct analysis and develop intelligence reports, in support of DoD and national community missions. I2AR will include the legacy Biometric Identity Intelligence Resource (BI2R) functionality as well as elasticity, encryption, and open source software for enduring interoperability with DoD, IC, and external partners.

Justification:
The FY 2020 OCO of $2.214 million in BI7 will continue to support the development of new software code & associated testing to deliver the Identity Intelligence Analytic Resource (I2AR) a replacement for the Biometrics Identity Intelligence Repository (BI2R -the unique software-based analytic production system used by DoD's intelligence analysts to create products such as the Biometric Enabled Watchlist for Operation Freedom's Sentinel (OFS) and other worldwide missions) on cloud computing platforms.

## B. Accomplishments/Planned Programs ($ in Millions)

| | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|---|---|---|---|---|
| *Title:* Army G2 Projects - BI7<br><br>*Description:* Development of intelligence capabilities currently used to support Operation Freedom's Sentinel (OFS) and Operation Inherent Resolve (OIR) including Vigilant Pursuit Systems and the Biometrics Intelligence Information Repository (BI2R). | 6.036 | 2.214 | 0.000 | 2.214 | 2.214 |

| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | Date: March 2019 |
|---|---|---|
| Appropriation/Budget Activity<br>2040 / 7 | R-1 Program Element (Number/Name)<br>PE 0307665A / Biometrics Enabled Intelligence | Project (Number/Name)<br>BI7 / Biometrics Enabled Intelligence - MIP |

| B. Accomplishments/Planned Programs ($ in Millions) | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|---|---|---|---|---|
| **FY 2019 Plans:**<br>No RDT&E Base associated efforts are planned for FY 2019.<br><br>The FY 2019 OCO of $2.214 million will continue to support the development of new software code & associated testing to deliver the Identity Intelligence Analytic Resource (I2AR) a replacement for the Biometrics Identity Intelligence Repository (BI2R -the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist for OFS and other worldwide missions) on the Intelligence Community Information Technology Environment (IC ITE) C2S cloud.<br>**FY 2020 Base Plans:**<br>No dollars identified.<br>**FY 2020 OCO Plans:**<br>The FY 2020 OCO of $2.214 million in BI7 will continue to support the development of new software code & associated testing to deliver the Identity Intelligence Analytic Resource (I2AR) a replacement for the Biometrics Identity Intelligence Repository. | | | | | |
| **Title:** Next Generation Biometrics Collection Capability (NXGBCC) transitions to FL5 in FY20<br><br>**Description:** The Next Generation Biometrics Collection Capability (NXGBCC) will replace the BAT-A Program of Record.  The BAT-A capability was originally developed as a Quick Reaction Capability and has been deployed in a combat zone for over 19 years.  The current BAT-A technology is old and obsolete.  NXGBCC will use a Local Trusted Source composed of a distributed database capable of being used worldwide, data management software, forward biometric matching software, and an analysis portal.  Also, the NXGBCC collection kit(s) will be composed of 1 or more collection devices, a credential/badge device, and document scanning device.<br><br>**FY 2019 Plans:**<br>The $4.310 million of FY 2019 Base Funding in BI7 will expand on the transition phase established in FY 2018 for Next Generation Biometrics Collection Capability (NXGBCC) the replacement for the BAT-A.  The program will continue the Other Transaction Agreement (OTA) process to down-select prototypes from commercial vendors.  Also, the program will begin NXGBCC infrastructure assessment, functionality and modality evaluation.<br>**FY 2019 to FY 2020 Increase/Decrease Statement:** | 2.537 | 4.310 | - | - | - |

| **Exhibit R-2A**, **RDT&E Project Justification:** PB 2020 Army | | **Date:** March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 *I* 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A *I Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>BI7 *I Biometrics Enabled Intelligence - MIP* |

| **B. Accomplishments/Planned Programs ($ in Millions)** | **FY 2018** | **FY 2019** | **FY 2020 Base** | **FY 2020 OCO** | **FY 2020 Total** |
|---|---|---|---|---|---|
| Beginning with FY 2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5. | | | | | |
| **Accomplishments/Planned Programs Subtotals** | 8.573 | 6.524 | 0.000 | 2.214 | 2.214 |

**C. Other Program Funding Summary ($ in Millions)**
 N/A
**Remarks**

**D. Acquisition Strategy**
 The $2.214 million of FY 2020 OCO funding in BI7 will continue the development of new software code & associated testing necessary to deliver the Identity Intelligence Analytic Resource (I2AR).  The acquisition strategy will be to exercise a contract option which enables for continuation of a contractor to develop activities for the Army Requirements Oversight Council (AROC) approved Quick Reaction Capability (QRC).

 The NXGBCC acquisition strategy is to procure a limited development integrated solution that meets the NXGBCC collect/store/match/share requirements and interfaces with the Biometric Family of Systems.  The strategy will maximize mature technologies (integrated commercial off the shelf products) and reward industry for providing a solution that can be fielded in FY 2021.  The program office will use an Other Transaction Agreement (OTA) to down-select prototypes from commercial vendors.  Upon OTA completion, the Initial Operating Test, procurement, fielding and sustainment of NXGBCC will begin.

**E. Performance Metrics**
 N/A

| **Exhibit R-3**, RDT&E Project Cost Analysis: PB 2020 Army | | | | | | | | | | | **Date:** March 2019 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Appropriation/Budget Activity**<br>2040 *I* 7 | | | | | | | **R-1 Program Element (Number/Name)**<br>PE 0307665A *I Biometrics Enabled Intelligence* | | | **Project (Number/Name)**<br>BI7 *I Biometrics Enabled Intelligence - MIP* | | |

**Management Services ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| PM Management Services | C/Various | TBD : TBD | 12.921 | - | | - | | - | | - | | - | 0.000 | 12.921 | - |
| | | **Subtotal** | 12.921 | - | | - | | - | | - | | - | 0.000 | 12.921 | N/A |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| Base Products Development | C/IDIQ | Various : TBD | 49.787 | 5.247 | Mar 2018 | 2.214 | | 0.000 | | 2.214 | | 2.214 | 0.000 | 59.462 | - |
| Product Development | TBD | TBD : TBD | - | 2.537 | Sep 2018 | 4.310 | | - | | - | | - | 0.000 | 6.847 | - |
| | | **Subtotal** | 49.787 | 7.784 | | 6.524 | | 0.000 | | 2.214 | | 2.214 | 0.000 | 66.309 | N/A |

**Remarks**

Contract will use an Other Transaction Agreement (OTA) for product selection.

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| PM Civilian Personnel and Other Support Costs | Various | Various : Various | 20.102 | - | | - | | - | | - | | - | 0.000 | 20.102 | - |
| | | **Subtotal** | 20.102 | - | | - | | - | | - | | - | 0.000 | 20.102 | N/A |

**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| IA, T&E, Threat Assessment, Interoperabiity Certifications | Various | Various : TBD | 4.277 | 0.789 | Feb 2018 | - | | - | | - | | - | 0.000 | 5.066 | - |

| **Exhibit R-3**, **RDT&E Project Cost Analysis:** PB 2020 Army | | **Date:** March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 *I* 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A *I Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>BI7 *I Biometrics Enabled Intelligence - MIP* |

**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 Cost | FY 2018 Award Date | FY 2019 Cost | FY 2019 Award Date | FY 2020 Base Cost | FY 2020 Base Award Date | FY 2020 OCO Cost | FY 2020 OCO Award Date | FY 2020 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Subtotal** | | | 4.277 | 0.789 | | - | | - | | - | | - | 0.000 | 5.066 | N/A |

| | | | Prior Years | FY 2018 | | FY 2019 | | FY 2020 Base | | FY 2020 OCO | | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | | | 87.087 | 8.573 | | 6.524 | | 0.000 | | 2.214 | | 2.214 | 0.000 | 104.398 | N/A |

**Remarks**

Prior years are mostly associated with the termination of the Joint Personnel Identification Version 2 (JPIv2) project.
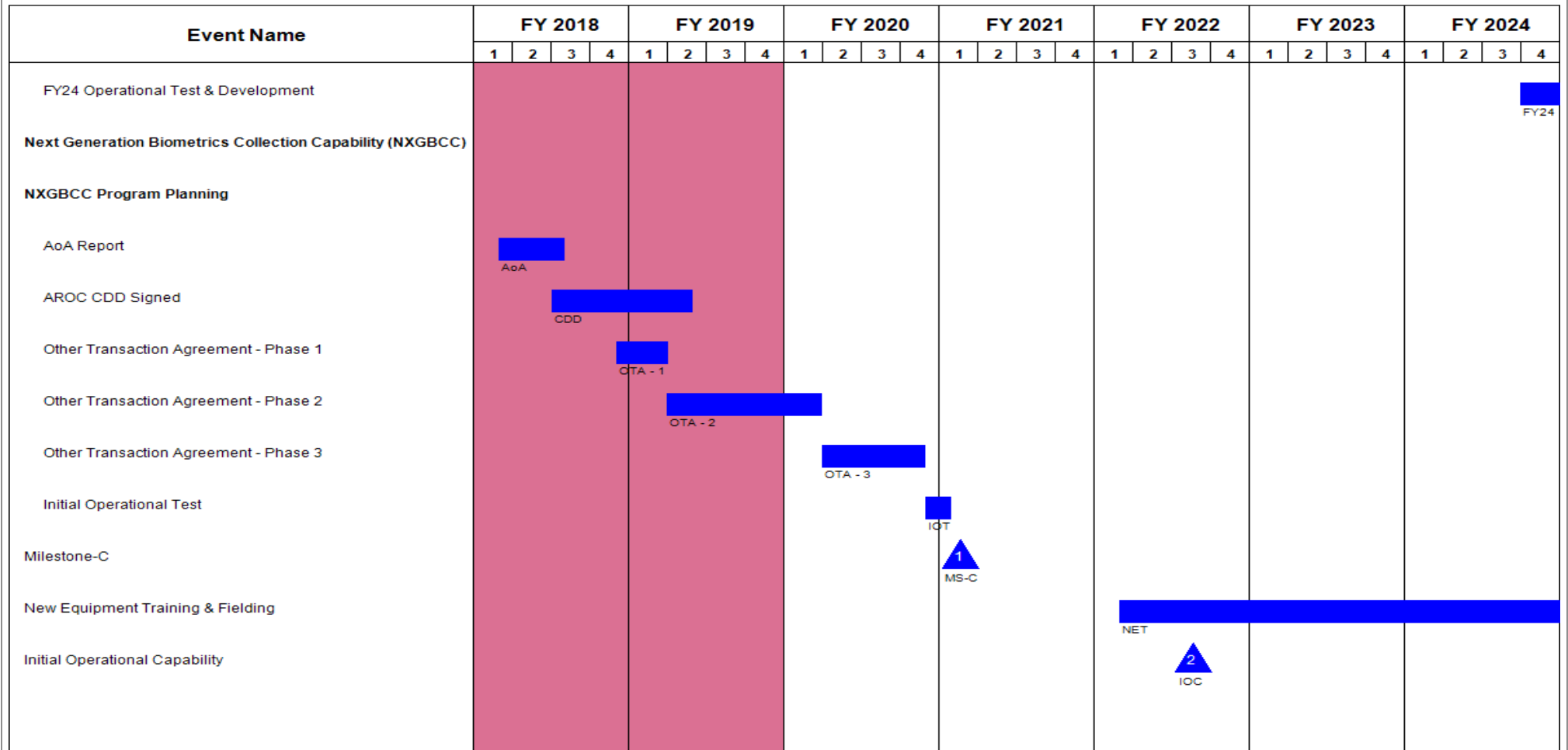
| **Exhibit R-4**, **RDT&E Schedule Profile:** PB 2020 Army | | **Date:** March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 I 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A I *Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>BI7 I *Biometrics Enabled Intelligence - MIP* |

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |

**Army G2 Projects**

- Product Development — PD — FY2018 Q1–Q4 to FY2019 Q4
- Operational Test & Evaluation — OT&E — FY2018 Q1
- FY18 Product Development — FY18 PD — FY2018 Q1–Q3
- FY18 Operational Test & Evaluation — FY18 OT&E — FY2019 Q1–Q2
- FY20 Product Development — FY20 PD — FY2020 Q1–Q3
- FY20 Systems Test & Evaluation — FY20 ST&E — FY2021 Q1–Q4
- FY20 Operational Test & Evaluation — FY20 OT&E — FY2021 Q1–Q4
- FY22 Product Development — FY22 PD — FY2022 Q1–Q3
- FY22 Systems Test & Development — FY22 ST&E — FY2023 Q1–Q4
- FY22 Operational Test & Evaluation — FY22 OT&E — FY2023 Q2 to FY2024 Q1
- FY24 Product Development — FY24 PD — FY2024 Q1–Q2
- FY24 Systems Test & Development — FY24 ST — FY2024 Q3–Q4

**Exhibit R-4**, RDT&E Schedule Profile: PB 2020 Army | **Date:** March 2019

| Appropriation/Budget Activity<br>2040 I 7 | R-1 Program Element (Number/Name)<br>PE 0307665A I *Biometrics Enabled Intelligence* | Project (Number/Name)<br>BI7 I *Biometrics Enabled Intelligence - MIP* |
|---|---|---|

| Event Name | FY 2018 | | | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |



Schedule bar chart content:
- FY24 Operational Test & Development — bar in FY 2024 Q4 (FY24)
- **Next Generation Biometrics Collection Capability (NXGBCC)**
- **NXGBCC Program Planning**
- AoA Report — bar FY 2018 Q2–Q3 (AoA)
- AROC CDD Signed — bar FY 2018 Q4 – FY 2019 Q2 (CDD)
- Other Transaction Agreement - Phase 1 — bar FY 2019 Q1 (OTA - 1)
- Other Transaction Agreement - Phase 2 — bar FY 2019 Q2–Q4 (OTA - 2)
- Other Transaction Agreement - Phase 3 — bar FY 2020 Q1–Q2 (OTA - 3)
- Initial Operational Test — bar FY 2020 Q4 (IOT)
- Milestone-C — triangle marker 1 (MS-C)
- New Equipment Training & Fielding — bar FY 2022 Q1 – FY 2024 Q4 (NET)
- Initial Operational Capability — triangle marker 2 (IOC)

| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | | **Date:** March 2019 |
|---|---|---|---|---|
| **Appropriation/Budget Activity**<br>2040 I 7 | | **R-1 Program Element (Number/Name)**<br>PE 0307665A I *Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>BI7 I *Biometrics Enabled Intelligence - MIP* | |

Schedule Details

| Events | Start | | End | |
|---|---|---|---|---|
| | Quarter | Year | Quarter | Year |
| Systems Requirements Review | 2 | 2013 | 2 | 2013 |
| Technical Assessment | 3 | 2014 | 3 | 2014 |
| Operational Assessment (Technical Report) | 1 | 2015 | 1 | 2015 |
| Contract Closeout | 2 | 2015 | 2 | 2015 |
| PM JPIv2 Closeout | 2 | 2015 | 1 | 2016 |
| Army G2 Projects | 1 | 2017 | 1 | 2025 |
| Product Development | 1 | 2017 | 3 | 2019 |
| Systems Test & Evaluation | 2 | 2017 | 4 | 2017 |
| Operational Test & Evaluation | 4 | 2017 | 1 | 2018 |
| FY18 Product Development | 1 | 2018 | 3 | 2018 |
| FY18 Operational Test & Evaluation | 4 | 2018 | 2 | 2019 |
| FY20 Product Development | 1 | 2020 | 3 | 2020 |
| FY20 Systems Test & Evaluation | 3 | 2020 | 4 | 2021 |
| FY20 Operational Test & Evaluation | 4 | 2020 | 4 | 2021 |
| FY22 Product Development | 1 | 2022 | 3 | 2022 |
| FY22 Systems Test & Development | 3 | 2022 | 4 | 2023 |
| FY22 Operational Test & Evaluation | 4 | 2022 | 4 | 2024 |
| FY24 Product Development | 1 | 2024 | 3 | 2024 |
| FY24 Systems Test & Development | 3 | 2024 | 4 | 2025 |
| FY24 Operational Test & Development | 4 | 2024 | 4 | 2025 |
| Next Generation Biometrics Collection Capability (NXGBCC) | 1 | 2018 | 1 | 2032 |
| NXGBCC Program Planning | 1 | 2018 | 4 | 2019 |

| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | | | | **Date:** March 2019 | |
|---|---|---|---|---|---|---|

| Appropriation/Budget Activity 2040 I 7 | R-1 Program Element (Number/Name) PE 0307665A I Biometrics Enabled Intelligence | Project (Number/Name) BI7 I Biometrics Enabled Intelligence - MIP |
|---|---|---|

| Events | Start | | End | |
|---|---|---|---|---|
| | Quarter | Year | Quarter | Year |
| AoA Report | 1 | 2018 | 3 | 2018 |
| AROC CDD Signed | 3 | 2018 | 2 | 2019 |
| Other Transaction Agreement - Phase 1 | 4 | 2018 | 1 | 2019 |
| Other Transaction Agreement - Phase 2 | 2 | 2019 | 1 | 2020 |
| Other Transaction Agreement - Phase 3 | 2 | 2020 | 4 | 2020 |
| Initial Operational Test | 4 | 2020 | 1 | 2021 |
| Milestone-C | 1 | 2021 | 1 | 2021 |
| New Equipment Training & Fielding | 1 | 2022 | 2 | 2025 |
| Initial Operational Capability | 3 | 2022 | 3 | 2022 |

| Exhibit R-2A, RDT&E Project Justification: PB 2020 Army | | | | | | | | | | Date: March 2019 | |
|---|---|---|---|---|---|---|---|---|---|---|---|

| Appropriation/Budget Activity<br>2040 I 7 | | | | R-1 Program Element (Number/Name)<br>PE 0307665A I Biometrics Enabled<br>Intelligence | | | | Project (Number/Name)<br>FL5 I Next Gen Biometric Collection<br>Capability (MIP) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|

| COST ($ in Millions) | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | FY 2021 | FY 2022 | FY 2023 | FY 2024 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FL5: *Next Gen Biometric Collection Capability (MIP)* | - | 0.000 | 0.000 | 2.000 | - | 2.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.000 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

**Note**

Project FL5 was previously funded in Project BI7.

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

The Next Generation Biometrics Collection Capability (NXGBCC) is the replacement system for the Biometrics Automated Toolset-Army (BAT-A).  The BAT-A is the current Army Program of Record for tactical biometrics collection capability.  The BAT-A was originally developed as a Quick Reaction Capability.  These devices have been deployed in a combat zone for over 19 years, well beyond the standard 3 to 6 years of useful electronic equipment life.  NXGBCC will be an integrated system of Commercial-Off-The-Shelf (COTS) hardware and software, comprising a kit, data base, and transport architecture.  NXGBCC will be capable of operating on multiple communications networks and achieve near real-time identity matching and data synchronization.  NXGBCC will add to the number of biometric modalities collected, provide matches to the Warfighter in less than 3 minutes, increase the data sharing capability, and reduce weight, power, and cost.  NXGBCC will use a Local Trusted Source composed of a distributed database capable of being used worldwide, data management software, forward biometric matching software, and an analysis portal.  Also, the NXGBCC collection kit(s) will be composed of 1 or more collection devices, a credential/badge device, and document scanning device.

Justification:

Beginning with FY2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5. The $2.000 million of FY20 Base Funding will complete the prototype selection process via the Other Transaction Agreement (OTA) started in FY18.  Also, the program office will begin Operational and Interoperability Testing along with New Equipment Training development.

| B. Accomplishments/Planned Programs ($ in Millions) | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total |
|---|---|---|---|---|---|
| *Title:* Next Generation Biometrics Collection Capability<br><br>*Description:* The Next Generation Biometrics Collection Capability (NXGBCC) will replace the BAT-A Program of Record.  The BAT-A capability was originally developed as a Quick Reaction Capability and has been deployed in a combat zone for over 19 years.  The current BAT-A technology is old and obsolete.  NXGBCC will use a Local Trusted Source composed of a distributed database capable of being used worldwide, data management software, forward biometric matching software, and an analysis portal.  Also, the NXGBCC collection kit(s) will be composed of 1 or more collection devices, a credential/badge device, and document scanning device. | - | - | 2.000 | - | 2.000 |

| **Exhibit R-2A**, **RDT&E Project Justification:** PB 2020 Army | | **Date:** March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 *I* 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A *I Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>FL5 *I Next Gen Biometric Collection Capability (MIP)* |

| **B. Accomplishments/Planned Programs ($ in Millions)** | **FY 2018** | **FY 2019** | **FY 2020 Base** | **FY 2020 OCO** | **FY 2020 Total** |
|---|---|---|---|---|---|
| ***FY 2020 Base Plans:***<br>The $2.0 million of FY 2020 Base Funding completes the Other Transaction Agreement (OTA) process to down-select the prototypes from commercial vendors to the best system that meets Army requirements.  Also, the program will begin NXGBCC testing and New Equipment Training development.<br><br>***FY 2019 to FY 2020 Increase/Decrease Statement:***<br>Beginning with FY 2020, funding for NXGBCC previously reflected in project BI7 has been moved to project FL5. | | | | | |
| **Accomplishments/Planned Programs Subtotals** | - | - | 2.000 | - | 2.000 |

**C. Other Program Funding Summary ($ in Millions)**
 N/A
**Remarks**

**D. Acquisition Strategy**
 The NXGBCC acquisition strategy is to procure a limited development integrated solution that meets the NXGBCC collect/store/match/share requirements and interfaces with the Biometric Family of Systems.  The strategy will maximize mature technologies (integrated commercial off the shelf products) and reward industry for providing a solution that can be fielded in FY 2021.  The program office will use an Other Transaction Agreement (OTA) to down-select prototypes from commercial vendors.  Upon OTA completion, the procurement, fielding and sustainment of NXGBCC will begin.
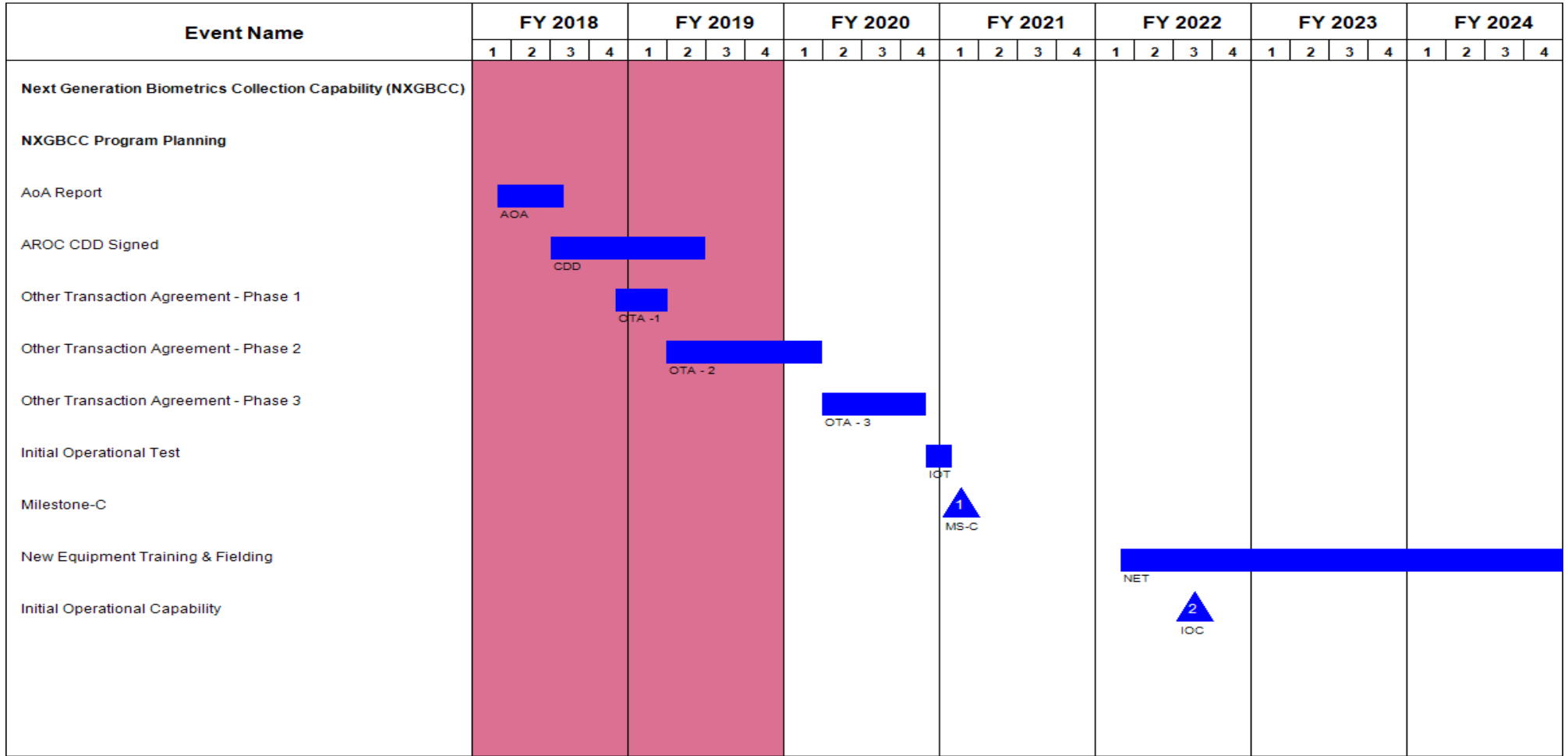
**E. Performance Metrics**
 N/A

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army | | Date: March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A / Biometrics Enabled Intelligence | **Project (Number/Name)**<br>FL5 / Next Gen Biometric Collection Capability (MIP) |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 Cost | FY 2018 Award Date | FY 2019 Cost | FY 2019 Award Date | FY 2020 Base Cost | FY 2020 Base Award Date | FY 2020 OCO Cost | FY 2020 OCO Award Date | FY 2020 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Field Prototype Development | TBD | ACC / Picatinny : New Jersey | - | - | | - | | 1.880 | | - | | 1.880 | 0.000 | 1.880 | - |
| **Subtotal** | | | - | - | | - | | 1.880 | | - | | 1.880 | 0.000 | 1.880 | N/A |

**Remarks**
Funding will complete the Other Transaction Agreement started in FY18.

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 Cost | FY 2018 Award Date | FY 2019 Cost | FY 2019 Award Date | FY 2020 Base Cost | FY 2020 Base Award Date | FY 2020 OCO Cost | FY 2020 OCO Award Date | FY 2020 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| New Equipment Development Training | TBD | TBD : TBD | - | - | | - | | 0.090 | Feb 2020 | - | | 0.090 | 0.000 | 0.090 | - |
| **Subtotal** | | | - | - | | - | | 0.090 | | - | | 0.090 | 0.000 | 0.090 | N/A |

**Remarks**
Dollars will begin new equipment training requirement for NXGBCC.

**Test and Evaluation ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2018 Cost | FY 2018 Award Date | FY 2019 Cost | FY 2019 Award Date | FY 2020 Base Cost | FY 2020 Base Award Date | FY 2020 OCO Cost | FY 2020 OCO Award Date | FY 2020 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Operational and Interoperability Testing | TBD | TBD : TBD | - | - | | - | | 0.030 | Mar 2020 | - | | 0.030 | 0.000 | 0.030 | - |
| **Subtotal** | | | - | - | | - | | 0.030 | | - | | 0.030 | 0.000 | 0.030 | N/A |

**Remarks**
Dollars will begin Interoperability Testing for NXGBCC.

| | Prior Years | FY 2018 | FY 2019 | FY 2020 Base | FY 2020 OCO | FY 2020 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | - | - | 0.000 | 2.000 | - | 2.000 | 0.000 | 2.000 | N/A |

| **Exhibit R-3**, **RDT&E Project Cost Analysis:** PB 2020 Army | | | | | | | | **Date:** March 2019 | |
|---|---|---|---|---|---|---|---|---|---|
| **Appropriation/Budget Activity**<br>2040 I 7 | | | **R-1 Program Element (Number/Name)**<br>PE 0307665A I Biometrics Enabled<br>Intelligence | | | **Project (Number/Name)**<br>FL5 I Next Gen Biometric Collection<br>Capability (MIP) | | | |
| | **Prior Years** | **FY 2018** | **FY 2019** | **FY 2020 Base** | **FY 2020 OCO** | **FY 2020 Total** | **Cost To Complete** | **Total Cost** | **Target Value of Contract** |

**Remarks**
 Funding will complete the Other Transaction Agreement started in FY18.

| Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army | | | **Date:** March 2019 |
|---|---|---|---|
| **Appropriation/Budget Activity**<br>2040 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A / *Biometrics Enabled Intelligence* | **Project (Number/Name)**<br>FL5 / *Next Gen Biometric Collection Capability (MIP)* | |

| Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army | | **Date:** March 2019 |
|---|---|---|
| **Appropriation/Budget Activity**<br>2040 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0307665A / *Biometrics Enabled*<br>*Intelligence* | **Project (Number/Name)**<br>FL5 / *Next Gen Biometric Collection*<br>*Capability (MIP)* |

## Schedule Details

| Events | Start | | End | |
|---|---|---|---|---|
| | **Quarter** | **Year** | **Quarter** | **Year** |
| Next Generation Biometrics Collection Capability (NXGBCC) | 1 | 2018 | 1 | 2032 |
| NXGBCC Program Planning | 1 | 2018 | 1 | 2021 |
| AoA Report | 1 | 2018 | 3 | 2018 |
| AROC CDD Signed | 3 | 2018 | 2 | 2019 |
| Other Transaction Agreement - Phase 1 | 4 | 2018 | 1 | 2019 |
| Other Transaction Agreement - Phase 2 | 2 | 2019 | 1 | 2020 |
| Other Transaction Agreement - Phase 3 | 2 | 2020 | 4 | 2020 |
| Initial Operational Test | 4 | 2020 | 1 | 2021 |
| Milestone-C | 1 | 2021 | 1 | 2021 |
| New Equipment Training & Fielding | 1 | 2022 | 2 | 2025 |
| Initial Operational Capability | 3 | 2022 | 3 | 2022 |