Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

2040: Research, Development, Test & Evaluation, Army I BA 5: System

PE 0605052A I Indirect Fire Protection Capability Increment 2

Development & Demonstration (SDD)

| COST (\$ in Millions) | Prior Years | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost |
|---------------------------------|----------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|---------------------|---------------|
| Total Program Element | - | 0.000 | 83.995 | 175.069 | - | 175.069 | 149.506 | 52.300 | 24.700 | 0.000 | 0.000 | 485.570 |
| EY7: IFPC Increment 2 - Block 1 | - | 0.000 | 83.995 | 175.069 | - | 175.069 | 149.506 | 52.300 | 24.700 | 0.000 | 0.000 | 485.570 |

Note

Funding for FY17 and out has been realigned for IFPC Inc 2-I Block 1 system development activities from BA4, PE 0604319/DU3 to BA5, PE 0605052/EY7 as the program transitions to EMD.

A. Mission Description and Budget Item Justification

PE 0605052A: Indirect Fire Protection Capability Incr...

This program supports the overall integrated Air and Missile Defense (AMD) architecture and provides a robust intercept capability against Cruise Missiles (CM), Unmanned Aircraft System (UAS) and Rocket, Artillery, and Mortar (RAM) threats for deployed forces. The Indirect Fire Protection Capability Increment 2 - Intercept (IFPC Inc 2-I) is a ground-based weapon system that will be designed to acquire, track, engage, and defeat the UAS, CM, and RAM threats. The system will provide 360-degree protection and will simultaneously engage threats arriving from different azimuths. A block acquisition approach will be used to provide this capability. The IFPC Inc 2-I Block 1 system will consist of an existing interceptor and sensor and development of fire control software and a Multi-Mission Launcher (MML) to support the UAS and CM defeat mission. The IFPC Inc 2-I system will be compatible with the Army Integrated Air and Missile Defense (IAMD) Command and Control (C2) architecture. The IFPC Inc 2-I system will be transportable by Army common mobile platforms.

FY 2018 Base dollars in the amount of \$175.069 million are designated for the fabrication and delivery of EMD Assets #1-6, program management/administration, system engineering, hardware and software integration, additional spares and system/subsystem developmental testing.

| B. Program Change Summary (\$ in Millions) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---------|---------|--------------|-------------|---------------|
| Previous President's Budget | 0.000 | 83.995 | 63.370 | - | 63.370 |
| Current President's Budget | 0.000 | 83.995 | 175.069 | - | 175.069 |
| Total Adjustments | 0.000 | 0.000 | 111.699 | - | 111.699 |
| Congressional General Reductions | - | - | | | |
| Congressional Directed Reductions | - | - | | | |
| Congressional Rescissions | - | - | | | |
| Congressional Adds | - | - | | | |
| Congressional Directed Transfers | - | - | | | |
| Reprogrammings | - | - | | | |
| SBIR/STTR Transfer | - | - | | | |
| Adjustments to Budget Years | 0.000 | 0.000 | 111.699 | - | 111.699 |
| | | | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army | Date: May 2017 | |
|---|---|--|
| Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 5: System Development & Demonstration (SDD) | R-1 Program Element (Number/Name) PE 0605052A I Indirect Fire Protection Capability Increment 2 | |
| in Milestone B Army Cost Position, funding adjustment to transition | the Acquisition Strategy associated with a Milestone C delay from FY18 to FY19 as identified in four MMLs originally designated as Low Rate Initial Production assets funded with Missile itial Operation Test and Evaluation, and an increase to fund EMD Risk Mitigation activities to executive and the Vice Chief of Staff of the Army. | |
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PE 0605052A: Indirect Fire Protection Capability Incr... Army

| Exhibit R-2A, RDT&E Project Ju | stification | : FY 2018 A | rmy | | | | | | | Date: May | 2017 | |
|--|-----------------|----------------|---|--------------|---------|--|---------|---------------------|---------------|-----------|------|--|
| Appropriation/Budget Activity 2040 / 5 | | PE 060505 | am Elemen 52A / Indired Increment 2 | t Fire Prote | • | Project (Number/Name) EY7 I IFPC Increment 2 - Block 1 | | | | | | |
| COST (\$ in Millions) | FY 2018 Base | FY 2018 OCO | FY 2018 Total | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Cost To Complete | Total Cost | | | |
| EY7: IFPC Increment 2 - Block 1 | 175.069 | - | 175.069 | 149.506 | 52.300 | 24.700 | 0.000 | 0.000 | 485.570 | | | |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Funding for FY17 and out has been realigned for IFPC Inc 2-I Block 1 system development activities from BA4, PE 0604319/DU3 to BA5, PE 0605052/EY7 as the program transitions to EMD.

A. Mission Description and Budget Item Justification

This program supports the overall integrated Air and Missile Defense (AMD) architecture and provides a robust intercept capability against Cruise Missiles (CM), Unmanned Aircraft System (UAS) and Rocket, Artillery, and Mortar (RAM) threats for deployed forces. The Indirect Fire Protection Capability Increment 2 - Intercept (IFPC Inc 2-I) is a ground-based weapon system that will be designed to acquire, track, engage, and defeat the UAS, CM, and RAM threats. The system will provide 360-degree protection and will simultaneously engage threats arriving from different azimuths. A block acquisition approach will be used to provide this capability. The IFPC Inc 2-I Block 1 system will consist of an existing interceptor and sensor and development of fire control software and a Multi-Mission Launcher (MML) to support the UAS and CM defeat mission. The IFPC Inc 2-I system will be compatible with the Army Integrated Air and Missile Defense (IAMD) Command and Control (C2) architecture. The IFPC Inc 2-I system will be transportable by Army common mobile platforms.

FY 2018 Base dollars in the amount of \$175.069 million are designated for the fabrication and delivery of EMD Assets #1-6, program management/administration, system engineering, hardware and software integration, additional spares and system/subsystem developmental testing.

| B. Accomplishments/Planned Programs (\$ in Millions) | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
|---|---------|---------|-----------------|----------------|------------------|
| Title: IFPC Inc 2-I Program Management/Admin | - | 25.134 | 6.834 | - | 6.834 |
| Description: Funding is provided for the following efforts: Starting in FY18, R-2A Program Management will be split out into PM Admin, PM System Engineering, and System Engineering & Integration to better align with R-3. | | | | | |
| FY 2017 Plans: - Transition to and continue RDT&E efforts associated with the Engineering and Manufacturing Development (EMD) phase - Perform system engineering, logistics engineering, system test and evaluation management, technical configuration control, and business management activities | | | | | |

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|---|---|---------|-------------------------|----------------------------|----------------|------------------|--|
| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | | | Date: May | 2017 | | |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Numb PE 0605052A I Indirect Fire Pr Capability Increment 2 | | Project (N EY7 / IFP | n e) 2 - Block 1 | lock 1 | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | |
| - Conduct system design and program reviews | | | | | | | |
| FY 2018 Base Plans: - Continue RDT&E efforts associated with the Engineering and Manufactur - Perform system engineering, integration, logistics engineering, system te technical configuration control, cost and business management activities - Conduct system technical reviews and program management reviews - Perform developmental testing and performance evaluations - Perform logistics and maintenance demonstrations - Conduct validation of logistics publications | • | | | | | | |
| Title: IFPC Inc 2-I Program Management - System Engineering | | - | - | 2.852 | - | 2.852 | |
| Description: Funding is provided for the following efforts: Starting in FY18, R-2A Program Management will be split out into PM Adm System Engineering & Integration to better align with R-3. | nin, PM System Engineering, and | | | | | | |
| FY 2018 Base Plans: - Continue RDT&E efforts associated with the Engineering and Manufactur - Perform system engineering, integration, logistics engineering, system te technical configuration control, cost and business management activities - Conduct system technical reviews and program management reviews - Perform developmental testing and performance evaluations - Perform logistics and maintenance demonstrations - Conduct validation of logistics publications | | | | | | | |
| Title: System Engineering & Integration | | - | - | 23.513 | - | 23.513 | |
| Description: Funding is provided for the following efforts: Starting in FY18, R-2A Program Management will be split out into PM Adm System Engineering & Integration to better align with R-3. | nin, PM System Engineering, and | | | | | | |
| FY 2018 Base Plans: - Continue engineering and technical support of MML hardware, software a integration - Participate in system technical and program management reviews | and interface development and | | | | | | |

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PE 0605052A: Indirect Fire Protection Capability Incr...
Army

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| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | | | Date: May | 2017 | | | |
|--|---|---------|---------|-----------------|----------------|------------------|--|--|
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/ PE 0605052A / Indirect Fire Prote Capability Increment 2 | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | | |
| Perform technical assessments, concept studies, cost reduction, risdocumentation Continue IFPC Integration Lab (I2 Lab) system integration, perform Continue I2 Lab software development and integration Conduct EMD MML functional checkout Additional FY18 Risk Mitigation efforts to lower programmatic risks Executive and Vice Chief of Staff of the Army include Procure and integrate 2 EOC lites, SFNK lab kits, additional system LRUs, and conduct additional system analysis to support the require events to be performed | as discussed with Army Acquisition in integration lab assets, and additional MML | | | | | | | |
| Title: IFPC Inc 2-I Engineering and Technical Support | | _ | 36.592 | 95.875 | - | 95.87 | | |
| Description: Funding is provided for the following efforts: | | | | | | | | |
| FY 2017 Plans: - Continue MML engineering and technical support for design of systequirements definition - Participate in system and program reviews - Perform technical assessments, concept studies, cost reduction, resting and required documentation | - | | | | | | | |
| FY 2018 Base Plans: - Fabricate and deliver EMD MML Assets #1-6 - Continue engineering and technical support of MML hardware, soft and integration - Continue MML component hardware, software, and integration development of MML technical data package - Participate in system technical and program management reviews - Perform technical assessments, concept studies, cost reduction, risdocumentation - Conduct maintenance and repair of EMD MML assets to enable so | relopment activities | | | | | | | |
| Title: IFPC Inc 2-I System/Subsystem Development and Integration | | | 22.269 | 20.659 | _ | 20.65 | | |

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PE 0605052A: Indirect Fire Protection Capability Incr... Page 5 of 13 R-1 Line #134 Army

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|--|--|---------|---------|-----------------|----------------|------------------|--|--|
| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | | | Date: May | 2017 | | | |
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number PE 0605052A / Indirect Fire Proceed Capability Increment 2 | | | | | | | |
| B. Accomplishments/Planned Programs (\$ in Millions) | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total | | |
| Description: Funding is provided for the following efforts: | | | | | | | | |
| FY 2017 Plans: - Continue system component hardware, software, and integration developme - Participate in system and program reviews - Continue development of technical data package - Perform integration, component, and system level risk reduction - Continue system/subsystem hardware, software, and integration test activitie - Continue manufacturing, assembly, and integration of Engineering and Manuphase test assets | es | | | | | | | |
| FY 2018 Base Plans: - Continue system component hardware, software, and integration development. - Participate in system technical and program management reviews. - Perform integration, component, and system level qualification, performance. - Continue system/subsystem hardware, software, and integration test and siments. - Continue manufacturing, assembly, integration and repair of EMD phase test. | verification and risk reduction ulation activities | | | | | | | |
| Title: IFPC Inc 2-I System/Subsystem Logistics Support | | - | - | 5.529 | - | 5.529 | | |
| Pescription: Funding is provided for the following efforts: FY 2018 Base Plans: - Conduct RDT&E logistics and maintenance efforts associated with the Engine Development (EMD) phase - Perform logistics engineering and supply chain management activities - Perform logistics and maintenance demonstrations - Conduct validation of logistics publications and manuals | eering and Manufacturing | | | | | | | |
| Title: IFPC Inc 2-I System/Subsystem Developmental Testing | | - | - | 19.807 | - | 19.807 | | |
| Description: Funding is provided for the following efforts: | | | | | | | | |
| FY 2018 Base Plans: - Conduct Component Qualification Testing - Conduct Developmental Testing (#1) | | | | | | | | |

PE 0605052A: Indirect Fire Protection Capability Incr... Army

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|---|-----------------|-------------|---------------|--------------|--------------|---|--|---------|-----------------|----------------|------------------|
| Exhibit R-2A, RDT&E Project Justin | fication: FY | 2018 Army | | | | | | | Date: May | 2017 | |
| Appropriation/Budget Activity 2040 / 5 | | | | PE 06 | • | nent (Numbe direct Fire Pro ent 2 | Project (Number/Name) EY7 I IFPC Increment 2 - Block 1 | | | | |
| B. Accomplishments/Planned Prog | grams (\$ in I | Millions) | | | | | FY 2016 | FY 2017 | FY 2018 Base | FY 2018 OCO | FY 2018 Total |
| Initiate System Qualification Testing Conduct End-to-End Modeling and Conduct Cyber Security test activitie | Simulation a | nd Performa | ınce Analysis | s Activities | | | | | | | |
| | | | Accomplish | nments/Plar | nned Progra | ıms Subtota | ls - | 83.995 | 175.069 | - | 175.06 |
| C. Other Program Funding Summa | ry (\$ in Milli | ons) | | | | | | | | | |
| | - | | FY 2018 | FY 2018 | FY 2018 | | | | | Cost To | |
| <u>Line Item</u> | FY 2016 | FY 2017 | <u>Base</u> | <u>000</u> | <u>Total</u> | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Complete | |
| PE 0605456A, Proj PA3: PAC-3/MSE MISSILE | 2.201 | - | - | - | - | - | - | - | - | 0.000 | 2.20 |
| SSN C53101: MSE Missile | 514.946 | 702.201 | 459.040 | _ | 459.040 | 499.915 | 540.669 | 523.413 | 524.934 | Continuing | Continuir |
| PE 0205456A, Proj EF9: | 61.653 | 73.417 | 78.926 | - | 78.926 | 80.314 | 109.222 | 112.614 | | Continuing | |
| System Integration and Test | | | | | | | | | | ŭ | |
| • PE 0604114A, Proj EX2: Lower Tier Air Missile | - | 35.132 | 76.728 | - | 76.728 | 67.088 | 83.195 | 141.185 | 142.000 | Continuing | Continuir |
| Defense (LTAMD) Capability | | | | | | | | | | | |
| • SSN C50016: Lower Tier Air | 130.275 | 126.470 | 140.826 | _ | 140.826 | 125.161 | 144.243 | 119.282 | 121 825 | Continuing | Continuir |
| and Missile Defense (AMD) | 100.270 | 120.470 | 140.020 | | 140.020 | 120.101 | 144.240 | 110.202 | 121.020 | Continuing | Continui |
| • PE 0604319A, Proj DU3: <i>IFPC2</i> | 149.222 | _ | 31.303 | _ | 31.303 | 52.604 | 239.305 | 259.804 | 316.104 | Continuing | Continuir |
| • SSN C62002: <i>IFPC</i> | - | 19.319 | 57.742 | _ | 57.742 | 31.641 | 191.830 | 315.025 | | Continuing | |
| Inc 2-I Block 1 Missile | | | · · · · · - | | V | • | | 0.0.020 | | | |
| • SSN C62001: <i>IFPC</i> | _ | _ | _ | _ | _ | 157.406 | 144.740 | 100.400 | 14.600 | Continuing | Continuir |
| Inc 2-I Block 1 System | | | | | | | | | | | |
| • PE 0604820A, Proj E10: Sentinel | 11.821 | 15.983 | 32.968 | _ | 32.968 | 31.761 | 51.897 | 72.562 | 81.351 | Continuing | Continuir |
| • PE 0605457A, Proj S40: | 222.074 | 272.811 | 336.420 | - | 336.420 | 290.250 | 190.600 | 117.470 | | Continuing | |
| Army Integrated Air and Missile Defense (AIAMD) | | | | | | | | | | J | |
| • SSN BZ5075: <i>IAMD</i> | 20.917 | 204.969 | - | - | - | - | 274.494 | 375.026 | 513.464 | Continuing | Continuir |
| Battle Command System | 00.040 | 04 500 | 00.700 | | 00.700 | 00.000 | 44.000 | 0.074 | | 0 | 0 |
| PE 0604741A, Proj 146, 149: Air Defense C2I Eng Dev | 33.619 | 61.532 | 28.726 | - | 28.726 | 28.320 | 14.638 | 8.674 | - | Continuing | Continuin |

PE 0605052A: Indirect Fire Protection Capability Incr... Army

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| Exhibit R-2A, RDT&E Project Justi | fication: FY | 2018 Army | | | | | | | Date: Ma | y 2017 | | |
|--|------------------|-----------|---------|------------|--------------|---------|---------|---------|---|------------|------------|--|
| Appropriation/Budget Activity 2040 / 5 | | | , , , , | | | | | | ect (Number/Name) I IFPC Increment 2 - Block 1 | | | |
| C. Other Program Funding Summa | ary (\$ in Milli | ons) | | | | | | | | | | |
| | | | FY 2018 | FY 2018 | FY 2018 | | | | | Cost To | | |
| Line Item | FY 2016 | FY 2017 | Base | <u>oco</u> | <u>Total</u> | FY 2019 | FY 2020 | FY 2021 | FY 2022 | Complete | Total Cost | |
| • SSN AD50700: <i>AIR & MSL</i> | 28.176 | 126.539 | 26.635 | 24.100 | 50.735 | 17.960 | 6.366 | 32.397 | - | Continuing | Continuing | |
| Defense Planning & Control Sys | | | | | | | | | | _ | | |
| • SSN C62004: <i>IFPC</i> | - | - | - | - | - | - | - | _ | 12.300 | Continuing | Continuing | |
| Inc 2-I Block 2 Missile | | | | | | | | | | | | |
| • PE 0605457A, Proj DU4: | - | - | 23.165 | - | 23.165 | 25.010 | 26.719 | 26.218 | 26.500 | Continuing | Continuing | |
| Advanced Electronic Protection | | | | | | | | | | _ | | |
| Enhancements AEPE | | | | | | | | | | | | |

Remarks

This program is an integral part of the Army Integrated Air and Missile Defense (IAMD) architecture.

D. Acquisition Strategy

An independent Cost Benefit Analysis (CBA) was completed in FY2015 and the recommendation was made to continue organic development through the Engineering and Manufacturing Development (EMD) Phase. The Government will fund the Aviation and Missile Research Development and Engineering Center (AMRDEC) and Letterkenny Army Depot (LEAD) to continue the development, manufacturing, and testing of the Multi-Mission Launcher (MML) during the Engineering and Manufacturing Development (EMD) phase of the program.

During the transition to and initiation of the EMD phase, the IFPC Inc 2-I Product Office will award tasks on existing contracts for: Sentinel software modification to support Low Slow Small capability; integration of IFPC Inc 2-I software code into the IAMD architecture with IBCS v5.0 baseline software for Initial Operational Test and Evaluation; AIM-9X Block II interceptor software modification; AIM-9X Block II Weapon Interface Controller and Engagement Calculator software development; MML logistics products development; and complete system Critical Design Review. The IFPC Inc 2-I Product Office will conduct MML qualification testing and will conduct publication validation and verification, training, logistics demonstration, developmental flight testing, support a cyber security assessment, and initiate MML Production Technical Data Package (TDP) independent assessment. The IFPC Inc 2-I Product Office will support a Technology Readiness Assessment and receive results from the MML Production TDP assessment to support the Limited User Test, Milestone C, and the Low Rate Initial Production Decision. The IFPC Inc 2-I Product Office has modified its Acquisition Strategy by transferring four MML assets, originally designated as part of LRIP, to be test articles for use in IOT&E and other developmental test activities, as required.

The IFPC Inc 2-I Product Office will fund AMRDEC to integrate IFPC Inc 2-I software into the IBCS v4.0 baseline to support the Limited User Test, continue component qualification testing, order materials for MML EMD assets, assemble two MML assets, and support software integration, test and checkout activities in the I2 Lab.

The IFPC Inc 2-I Product Office will fund LEAD to fabricate components, assemble, and deliver the ten remaining MML assets.

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| Exhibit R-2A, RDT&E Project Justification: FY 2018 Army | | Date: May 2017 |
|---|---|--|
| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605052A I Indirect Fire Protection Capability Increment 2 | Project (Number/Name) EY7 I IFPC Increment 2 - Block 1 |
| E. Performance Metrics N/A | | |
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PE 0605052A: Indirect Fire Protection Capability Incr... Army

Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Army **Date: May 2017** Appropriation/Budget Activity R-1 Program Element (Number/Name) Project (Number/Name) 2040 / 5 PE 0605052A I Indirect Fire Protection EY7 I IFPC Increment 2 - Block 1 Capability Increment 2 FY 2018 FY 2018 FY 2018 Management Services (\$ in Millions) FY 2016 FY 2017 Base oco Total Contract Target Method Performing Prior Award Award Award Award **Cost To** Total Value of **Cost Category Item** & Type Activity & Location **Years** Cost Date Cost Date Cost Date Cost Date Complete Cost Contract Cost Cruise Missile Program Management -**Defense Systems** MIPR 0.000 8.778 Oct 2016 6.834 Continuing Continuing Continuing 6.834 Oct 2017 **Program Management** Project Office: Huntsville, Alabama Cruise Missile Defense Systems **MIPR** 0.000 2.852 Oct 2017 2.852 Continuing Continuing Continuing PM - System Engineering Project Office: Huntsville, Alabama Subtotal 0.000 8.778 9.686 9.686 FY 2018 FY 2018 FY 2018 **Product Development (\$ in Millions) FY 2016** FY 2017 Base oco Total Contract Target Method Performing Prior Award Award Award Award Cost To Total Value of **Cost Category Item** & Type Activity & Location Cost Cost Contract **Years** Date Cost Date Date Cost Date Cost Complete Cost System Engineering & Multiple Activities: **MIPR** 0.000 16.356 Oct 2016 23.513 Oct 2017 23.513 | Continuing Continuing Continuing Multiple Locations Integration **Engineering and Product** Multiple Activities: **MIPR** 0.000 36.592 Oct 2016 95.875 Oct 2017 95.875 Continuing Continuing Continuing Development/Fabrication Multiple Locations System/Subsystem Multiple Activities: MIPR 0.000 22 269 Oct 2016 20.659 Continuing Continuing Continuing Development and 20.659 Oct 2017 Multiple Locations Integration Subtotal 0.000 75.217 140.047 140.047 FY 2018 FY 2018 FY 2018 Support (\$ in Millions) FY 2016 FY 2017 oco Total Base Contract Target Method Performing Prior Award Award Award Award Cost To Total Value of **Cost Category Item** & Type Activity & Location Years Cost Date Cost Date Cost Date Cost Date Cost Complete Cost Contract Cruise Missile **Defense Systems MIPR** 0.000 1.429 Continuing Continuing Continuing PM Log Support 1.429 Oct 2017 Project Office: Huntsville, Alabama

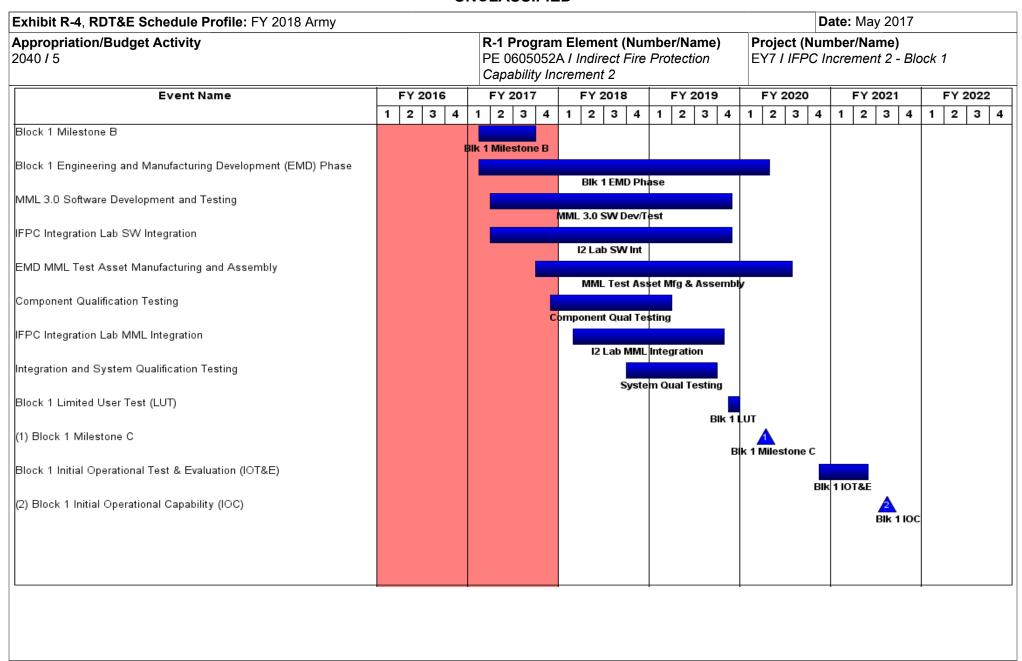
PE 0605052A: Indirect Fire Protection Capability Incr... Army

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| Exhibit R-3, RDT&E | Project C | ost Analysis: FY 2 | 2018 Army | / | | | | , | | | | Date: | May 201 | 7 | |
|--|------------------------------|--|----------------|------|---------------|---|---------------|---------|---------------|------|---------------|------------------|------------|---------------|--------------------------------|
| Appropriation/Budge 2040 / 5 | et Activity | 1 | | | | R-1 Program Element (Number/Name) PE 0605052A I Indirect Fire Protection Capability Increment 2 Project (N | | | | | | | | Block 1 | |
| Support (\$ in Million | s) | | | FY 2 | 2016 | FY | 2017 | | 2018 ise | | 2018 CO | FY 2018 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To | Total Cost | Target Value of Contract |
| Log Support | C/FFP | Potomac Wave Consulting, Inc. : Redstone Arsenal | 0.000 | - | | - | | 4.101 | Oct 2017 | - | | 4.101 | Continuing | Continuing | Continuin |
| | | Subtotal | 0.000 | - | | - | | 5.530 | | - | | 5.530 | - | - | - |
| Test and Evaluation | (\$ in Milli | ons) | | FY 2 | 2016 | FY | 2017 | FY 2 | 2018 ise | | 2018 CO | FY 2018 Total | | | |
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Cost To | Total Cost | Target Value of Contract |
| System/Subsystem Developmental Testing | IA | Multiple Activities : Multiple Locations | 0.000 | - | | - | | 19.806 | Oct 2017 | - | | 19.806 | Continuing | Continuing | Continuin |
| | | Subtotal | 0.000 | - | | - | | 19.806 | | - | | 19.806 | - | - | - |
| | | | Prior Years | FY : | 2016 | FY | 2017 | | 2018 ise | | 2018 CO | FY 2018 Total | Cost To | Total Cost | Target Value of Contract |
| | | Project Cost Totals | 0.000 | | | 83.995 | | 175.069 | | - | | 175.069 | - | - | - |

Remarks



| Exhibit R-4A, RDT&E Schedule Details: FY 2018 Army | | | Date: May 2017 |
|--|---|-------|--|
| 11 1 | , | - , (| umber/Name) C Increment 2 - Block 1 |

Schedule Details

| Events | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Block 1 Milestone B | 1 | 2017 | 3 | 2017 |
| Block 1 Engineering and Manufacturing Development (EMD) Phase | 1 | 2017 | 2 | 2020 |
| MML 3.0 Software Development and Testing | 2 | 2017 | 4 | 2019 |
| IFPC Integration Lab SW Integration | 2 | 2017 | 4 | 2019 |
| EMD MML Test Asset Manufacturing and Assembly | 4 | 2017 | 3 | 2020 |
| Component Qualification Testing | 4 | 2017 | 1 | 2019 |
| IFPC Integration Lab MML Integration | 1 | 2018 | 4 | 2019 |
| Integration and System Qualification Testing | 4 | 2018 | 3 | 2019 |
| Block 1 Limited User Test (LUT) | 4 | 2019 | 4 | 2019 |
| Block 1 Milestone C | 2 | 2020 | 2 | 2020 |
| Block 1 Initial Operational Test & Evaluation (IOT&E) | 4 | 2020 | 2 | 2021 |
| Block 1 Initial Operational Capability (IOC) | 3 | 2021 | 3 | 2021 |