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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Army **Date:** May 2021

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| Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 5: System Development & Demonstration (SDD)</i> | R-1 Program Element (Number/Name) PE 0605225A / <i>SIO Capability Development</i> |
|--|---|

| COST (\$ in Millions) | Prior Years | FY 2020 | FY 2021 | FY 2022 Base | FY 2022 OCO | FY 2022 Total | FY 2023 | FY 2024 | FY 2025 | FY 2026 | Cost To Complete | Total Cost |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element | - | - | - | 22.713 | - | 22.713 | - | - | - | - | - | - |
| CB7: <i>SIO Capability Development</i> | - | - | - | 22.713 | - | 22.713 | - | - | - | - | - | - |

Note

Fiscal Year (FY) 2022 increase of \$22.713 Million. New Program Element (PE) established to resolve Army Cyber Command (ARCYBER) concerns over limited visibility and access to the use of historical highly classified PE. This PE does not represent a new start program. Previous PE not listed here due to classification.

A. Mission Description and Budget Item Justification

Program provides critical classified, continuous, rapid evolutionary development of offensive cyberspace capabilities intended to project power in and through the cyberspace domain. Capabilities also provide deliberate, authorized, response actions which are taken external to the DODIN to defeat ongoing or imminent threats. Authorities are provided under Title 10, United States Code Section 394. In FY20 and FY21, the details of this program were reported in accordance with Title 10, United States Code, Section 119(a)(1). In FY22, the transition to an evolved set of technical solutions, controlled at appropriate security classification levels, will enable application against a broader set of Title 10 operational needs and requirements for the program.

B. Program Change Summary (\$ in Millions)

| | <u>FY 2020</u> | <u>FY 2021</u> | <u>FY 2022 Base</u> | <u>FY 2022 OCO</u> | <u>FY 2022 Total</u> |
|-------------------------------------|----------------|----------------|---------------------|--------------------|----------------------|
| Previous President's Budget | 0.000 | 0.000 | 0.000 | - | 0.000 |
| Current President's Budget | 0.000 | 0.000 | 22.713 | - | 22.713 |
| Total Adjustments | 0.000 | 0.000 | 22.713 | - | 22.713 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Adjustments to Budget Years | - | - | 22.713 | - | 22.713 |

Change Summary Explanation

Fiscal Year (FY) 2022 indicates an increase of \$22.713 Million for Army Cyber Command (ARCYBER) activities.

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Army **Date:** May 2021

| Appropriation/Budget Activity 2040 / 5 | | | | | R-1 Program Element (Number/Name) PE 0605225A / SIO Capability Development | | | | Project (Number/Name) CB7 / SIO Capability Development | | | |
|---|-------------|---------|---------|--------------|---|---------------|---------|---------|---|---------|------------------|------------|
| COST (\$ in Millions) | Prior Years | FY 2020 | FY 2021 | FY 2022 Base | FY 2022 OCO | FY 2022 Total | FY 2023 | FY 2024 | FY 2025 | FY 2026 | Cost To Complete | Total Cost |
| CB7: SIO Capability Development | - | - | - | 22.713 | - | 22.713 | - | - | - | - | - | - |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

Note

Fiscal Year (FY) 2022 increase of \$115.183 Million. New Program Elements (PE) established to resolve Army Cyber Command (ARCYBER) concerns over limited visibility and access to the use of historical highly classified PE. This PE does not represent a new start program.

A. Mission Description and Budget Item Justification

Program provides critical classified, continuous, rapid evolutionary development of offensive cyberspace capabilities intended to project power in and through cyberspace. Capabilities also provide deliberate, authorized, response actions which taken external to the DODIN to defeat ongoing or imminent threats. Authorities are provided under Title 10, United States Code Section 394. In FY20 and FY21, the details of this program were reported in accordance with Title 10, United States Code, Section 119(a)(1). The transition from Title 10 allows for a broader set of requirements for the program.

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

| | FY 2020 | FY 2021 | FY 2022 |
|--|---------|---------|---------|
| Title: Special Information Operations | - | - | 22.713 |
| FY 2022 Plans: Continues to provide funds to specified Army Programs of Record (POR) and Quick Reaction Capabilities (QRC) for Title 10 classified cyber capability development and integration efforts, ensuring their congruence with Army Cyber Command (ARCYBER) and United States Cyber Command (USCYBERCOM) requirements and initiatives to include but not limited to operational cyber infrastructure platforms, rapid cyber development environments, tools, cyber surveillance and reconnaissance, and additional ARCYBER priorities as directed as elements in the Joint Cyber Warfighting Architecture (JCWA). | | | |
| FY 2021 to FY 2022 Increase/Decrease Statement: Fiscal Year (FY) 2022 indicates an increase of \$22.713 Million. This new Program PE has been established in FY22 to resolve Army Cyber Command (ARCYBER) concerns over limited visibility and access to the use of historical highly classified PEs. This PE does not represent a new start program. | | | |
| Accomplishments/Planned Programs Subtotals | - | - | 22.713 |

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

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| Exhibit R-2A, RDT&E Project Justification: PB 2022 Army | Date: May 2021 |
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| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605225A / <i>SIO Capability Development</i> | Project (Number/Name) CB7 / <i>SIO Capability Development</i> |
|--|---|---|

D. Acquisition Strategy

Special Information Operations (SIO) funds provide for agile development, integration, and ongoing Army capability testing of advanced technologies and systems to pace the rapidly evolving cyber threat environment during Joint All Domain Operations and support multi-domain soldier test points. The Army Capability Manager-Cyber manages validated Army requirements for operationally relevant capabilities, which are refined and driven by an annual Commanding General (CG) Army Cyber Command prioritization memorandum. Program Executive Office Intelligence, Electronic Warfare & Sensors (PEO IEW&S) then uses Budget Activity (BA) 6.5 RDT&E to manage evolution of these required efforts through classified system development and integration into Army Programs of Record (POR)s and Quick Reaction Capabilities (QRC)s. This strategy ensures these capabilities remain viable and operationally focused through multiple budget cycles, significantly increasing successful transitions to recipient Army Cyber warfighting forces.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Army **Date:** May 2021

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| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605225A / SIO Capability Development | Project (Number/Name) CB7 / SIO Capability Development |
|--|--|--|

| Management Services (\$ in Millions) | | | | FY 2020 | | FY 2021 | | FY 2022 Base | | FY 2022 OCO | | FY 2022 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| System Engineers and Technical Assistance | Option/CPFF | MAG Aerospace : Aberdeen, MD | - | - | | - | | 12.713 | Jul 2022 | - | | 12.713 | 0.000 | 12.713 | - |
| Subtotal | | | - | - | | - | | 12.713 | | - | | 12.713 | 0.000 | 12.713 | N/A |

| Support (\$ in Millions) | | | | FY 2020 | | FY 2021 | | FY 2022 Base | | FY 2022 OCO | | FY 2022 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---------------------------------|------------------------|--|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| DA Gov Travel, Office Costs | TBD | USACE : Baltimore, MD | - | - | | - | | 1.000 | | - | | 1.000 | 0.000 | 1.000 | - |
| Program Support Costs | TBD | Multiple MIPRS and Functional Support Agreements : Hanover, MD | - | - | | - | | 5.000 | Jun 2022 | - | | 5.000 | 0.000 | 5.000 | - |
| Subtotal | | | - | - | | - | | 6.000 | | - | | 6.000 | 0.000 | 6.000 | N/A |

| Test and Evaluation (\$ in Millions) | | | | FY 2020 | | FY 2021 | | FY 2022 Base | | FY 2022 OCO | | FY 2022 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|------------------------|--------------------------------|-------------|---------|------------|---------|------------|--------------|------------|-------------|------------|---------------|------------------|------------|--------------------------|
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | Award Date | Cost | | | |
| Special Information Operations Cyber Capability Testing | TBD | Various : Multiple | - | - | | - | | 4.000 | Jan 2022 | - | | 4.000 | 0.000 | 4.000 | - |
| Subtotal | | | - | - | | - | | 4.000 | | - | | 4.000 | 0.000 | 4.000 | N/A |

| | Prior Years | FY 2020 | FY 2021 | FY 2022 Base | FY 2022 OCO | FY 2022 Total | Cost To Complete | Total Cost | Target Value of Contract | |
|----------------------------|-------------|---------|---------|--------------|-------------|---------------|------------------|------------|--------------------------|-----|
| Project Cost Totals | | - | - | 0.000 | 22.713 | - | 22.713 | 0.000 | 22.713 | N/A |

Remarks
 Fiscal Year (FY) 2022 indicates an increase of \$115.183 Million; actual change from existing classified FY21 Program Element (PE) is a decrease of \$1.970 Million. This new PE has been established in FY22 to resolve Army Cyber Command (ARCYBER) concerns over limited visibility and access to the use of historical highly classified PEs. This PE does not represent a new start program.

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Exhibit R-4, RDT&E Schedule Profile: PB 2022 Army **Date:** May 2021

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| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605225A / SIO Capability Development | Project (Number/Name) CB7 / SIO Capability Development |
|--|--|--|

| Event Name | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | FY 2026 | | | |
|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|---------|---|---|---|
| | 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 |
| Classified Cyber Capabilities Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Classified Cyber Capabilities Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Exhibit R-4A, RDT&E Schedule Details: PB 2022 Army **Date:** May 2021

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| Appropriation/Budget Activity 2040 / 5 | R-1 Program Element (Number/Name) PE 0605225A / SIO Capability Development | Project (Number/Name) CB7 / SIO Capability Development |
|--|--|--|

Schedule Details

| Events | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| Classified Cyber Capabilities Development | 3 | 2020 | 3 | 2025 |
| Classified Cyber Capabilities Testing | 2 | 2021 | 3 | 2026 |