| Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy | Date: March 2023 |
|---|---|
| **Appropriation/Budget Activity**<br>1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)* | **R-1 Program Element (Number/Name)**<br>PE 0605518N *I CONVENTIONAL PROMPT STRIKE (CPS)* |

| COST ($ in Millions) | Prior Years | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total | FY 2025 | FY 2026 | FY 2027 | FY 2028 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Program Element | 742.521 | 1,282.595 | 1,230.041 | 901.064 | - | 901.064 | 1,065.999 | 913.528 | 642.285 | 486.113 | Continuing | Continuing |
| 3334: *Conventional Prompt Strike (CPS)* | 742.521 | 1,277.768 | 1,205.041 | 901.064 | - | 901.064 | 1,065.999 | 913.528 | 642.285 | 486.113 | Continuing | Continuing |
| 9999: *Congressional Adds* | 0.000 | 4.827 | 25.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 29.827 |

**Program MDAP/MAIS Code:**
**Project MDAP/MAIS Code(s):** 197

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

Conventional Prompt Strike (CPS) capability will enable precise and timely strike in contested environments across multiple platforms. In coordination with the Army, the Navy CPS Program is designing a common All Up Round (AUR) comprised of a Common Hypersonic Glide Body (C-HGB) and a 34.5" two-stage booster. The Navy is responsible for C-HGB design, while the Army leads C-HGB production. The Navy will design, develop, and produce the missile booster, and will integrate the missile booster with the C-HGB. Each service will use the resulting common hypersonic missile while developing individual weapon control systems and launchers tailored for launch from sea or land. Development efforts under this program element lead to a weapon system capability that: (1) is non-ballistic over the majority of the flight path; (2) controls stage drop; (3) provides positive control and precision accuracy from launch to impact; (4) provides adequate cross-range/maneuverability to avoid over-flight issues; (5) provides prompt lethal effects on targets; and (6) is man-safe and deployable for surface and submerged platforms.

| B. Program Change Summary ($ in Millions) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| Previous President's Budget | 1,325.232 | 1,205.041 | 1,286.159 | - | 1,286.159 |
| Current President's Budget | 1,282.595 | 1,230.041 | 901.064 | - | 901.064 |
| Total Adjustments | -42.637 | 25.000 | -385.095 | - | -385.095 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | 25.000 | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | -42.637 | 0.000 | | | |
| • Program Adjustments | 0.000 | 0.000 | -410.947 | - | -410.947 |
| • Rate/Misc Adjustments | 0.000 | 0.000 | 25.852 | - | 25.852 |

| Congressional Add Details ($ in Millions, and Includes General Reductions) | FY 2022 | FY 2023 |
|---|---|---|
| **Project:** 9999: *Congressional Adds* | | |

| Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Navy | Date: March 2023 |
|---|---|
| **Appropriation/Budget Activity**<br>1319: *Research, Development, Test & Evaluation, Navy I* BA 4: *Advanced Component Development & Prototypes (ACD&P)* | **R-1 Program Element (Number/Name)**<br>PE 0605518N *I CONVENTIONAL PROMPT STRIKE (CPS)* |

| Congressional Add Details ($ in Millions, and Includes General Reductions) | FY 2022 | FY 2023 |
|---|---|---|
| Congressional Add: *Cross-service hypersonic testing capabilities through adv. concepts tech. eval.* | 4.827 | 0.000 |
| Congressional Add: *Flight tests* | 0.000 | 25.000 |
| Congressional Add Subtotals for Project: 9999 | 4.827 | 25.000 |
| Congressional Add Totals for all Projects | 4.827 | 25.000 |

**Change Summary Explanation**

Past Budget Structure Changes:

- Prior to FY 2022, CPS budgets showed all Science and Technology / Advanced Capabilities (STAC) efforts under the Weapon System Integration budget category. The CPS program broke out these costs into their own budget category in order to provide greater transparency.

Program Changes:

FY 2024 Program Adjustments:

- Adjustment of $410.947M realigned funding to appropriate appropriations. $49.500M of funding realigned to RDTEN PE 0204202N for DDG Integration on ZUMWALT Class, $40.000M of funding realigned to SCN LI 2013 for SSN integration in VIRGINIA Class submarines, $33.700M realigned to OPN LI 0947 for DDG 1000 Class Support Equipment, $6.650M of funding realigned to MCN LI 64482044 for Planning and Design for Conventional Long Weapon Storage; CPS Maintenance, Operations, and Storage; and Test facilities (Yorktown and Pearl Harbor), and $281.097M of funding realigned to WPN LI 1160 for procurement of All Up Rounds.

Note for Quantity of RDT&E Articles:

- The profile for Quantity of RDT&E Articles reflects the year procurements are initiated for each unit. Efforts for each RDT&E asset are incrementally funded across multiple fiscal years. The total quantity reflects AUR+C, flight test assets, high fidelity test assets, and high fidelity simulators.

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | | | | | | | | | | | Date: March 2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | | | | | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | | | | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | | | |
| **COST ($ in Millions)** | **Prior Years** | **FY 2022** | **FY 2023** | **FY 2024 Base** | **FY 2024 OCO** | **FY 2024 Total** | **FY 2025** | **FY 2026** | **FY 2027** | **FY 2028** | **Cost To Complete** | **Total Cost** |
| 3334: *Conventional Prompt Strike (CPS)* | 742.521 | 1,277.768 | 1,205.041 | 901.064 | - | 901.064 | 1,065.999 | 913.528 | 642.285 | 486.113 | Continuing | Continuing |
| Quantity of RDT&E Articles | | 6 | 5 | 2 | - | 2 | 2 | 2 | 4 | 2 | | |
| **Project MDAP/MAIS Code:** 197 | | | | | | | | | | | | |

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

The Conventional Prompt Strike (CPS) Weapon System will deliver a hypersonic conventional offensive strike capability through a depressed boost-glide trajectory to prosecute deep-inland, time-critical, soft and medium-hardened targets in contested environments. The CPS Weapon System will enhance U.S. conventional power projection through longer range, shorter time of flight, and higher survivability against enemy defenses compared to current capabilities. The CPS weapon system or major elements of the weapon system will be deployed onboard multiple launch platforms. The CPS program is a joint effort between services. Specifically, the Navy and Army are collaborating to design and deliver a common All Up Round (AUR) in accordance with an inter-service Memorandum of Agreement. To meet Navy requirements and Army priorities, the Navy is designing and developing the Common Hypersonic Glide Body (C-HGB) and 34.5" Booster, and integrating the C-HGB with the 34.5" Booster to create a common AUR. The Army is responsible for production of the Navy-designed C-HGB.

To enable weapon system integration to meet Navy mission requirements, near-term design, development, and experimentation are required across the weapon system's components. Design and development efforts will focus on boosters; thermal protection systems; navigation, guidance and control systems; capability enhancements; payload modules; weapon control systems and interfaces to existing fire control systems; support equipment; and launcher systems. Component and subsystem technology maturity will be demonstrated, and risk reduction accomplished, through Modeling and Simulation (M&S) assessments, Hardware-in-the-Loop (HWIL) / Software-in-the-Loop (SWIL) testing, ground-based testing, in-air and underwater launch testing, and flight tests. Furthermore, with each platform deployment, risk continues to be reduced for weapon subsystems and components until prototyping efforts culminate in an initial operational Blk V VIRGINIA Class submarine weapon system capability. The program will capitalize on commonality between platform implementations.

CPS supports the National Defense Strategy by supporting modernization initiatives for hypersonic technologies and enabling a more lethal force. The CPS program plan: (1) Provides rapid delivery of capability through multiple acquisition increments and configurations; and (2) Provides flexibility to allow for additional capability phases as the weapon system and warfighter requirements evolve. In order to meet current Top Level Requirements (TLR) and future warfighter needs, the program has developed a Technology Insertion (TI) strategy with pre-planned insertion points to enable the program to regularly insert baseline upgrades and mature advanced technologies to support capability improvements into the Navy and Army systems. To support the TI Strategy, the program has developed a Science and Technology / Advanced Capability (STAC) process to mature advanced technology and fill Navy and Army warfighting capability gaps to ensure continued battlefield dominance.

The FY 2024 budget exhibit reflects no change to cost categories shown in FY 2023. However, in the FY 2023 exhibit all STAC efforts previously under Weapon System Integration budget category were broken out into their own budget category to provide a greater level of detail. These categories reflect how the CPS Program Office currently structures and manages its major contracts and efforts while providing high fidelity financial data for each work performer. Budget exhibit data is based on

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

annual task planning efforts to evaluate current and future year budget requirements. This cost data is continuously updated based on actual execution data and prime contractors negotiations.

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| ***Title:*** Weapon System Integration | 160.373 | 100.682 | 88.451 | 0.000 | 88.451 |
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** The Weapon Systems Integration (WSI) category accommodates all efforts associated with systems engineering, logistics, and program management support for the Block 1 Weapon System (WS) and future TIs. | | | | | |
| ***FY 2023 Plans:***<br>- Continue the development and build of Shipping and Storage Container (SSC) test articles in support of Insensitive Munitions/ Hazardous Classification (IM/HC) testing. The test SSCs will inform the final design of the SSC for transportation and storage of fielded AUR+Cs.<br><br>- Continue support and development of the maintenance concepts, storage, loading and handling, transportation, supply support, and training for the CPS weapons system (WS).<br><br>- Begin development of the CPS WS Capabilities Development Document (CDD).<br><br>- Continue systems engineering efforts for the assured performance, accuracy, integration, and compatibility of the CPS system and related auxiliary systems by establishing system-level requirements; defining interfaces between subsystems, launch platforms, and facilities; and initiating policy/design tenets for overall system performance and interoperability.<br><br>- Continue upgrading the WS to include establishing system and sub-system level requirements, and initiating policy and program level design tenets to ensure overall system performance and interoperability. Continue defining and refining with Prime and all Subcontractors the interfaces between and within the AUR, Canister, and Weapon Control System and Launch platforms.<br><br>- Maintain and grow the classified digital infrastructure across industry and government sites to enable coordination, rapid development, and communication between multiple locations. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue efforts to expand industrial base capacity to prepare for increased AUR and Advance Payload Module (APM) production needed to support delivery of 24 AURs and 5 APMs per year.<br><br>- Execute Schedule Management, Risk Management, Safety Management, Software Engineering, Program Protection, cybersecurity, and quality assurance in support of FY 2023 activities and future CPS Program milestones.<br><br>***FY 2024 Base Plans:***<br>- Finalize builds of Shipping and Storage Container (SSC) test articles to support Insensitive Munitions/ Hazardous Classification (IM/HC) testing.<br><br>- Delivery of the first tactical SSC in Q4 FY 2024.<br><br>- Continue support and development of the maintenance concepts, storage, loading and handling, transportation, supply support, and training for the CPS WS.<br><br>- Continue development of the CPS WS CDD.<br><br>- Continue systems engineering efforts for the assured performance, accuracy, integration, and compatibility of the CPS system and related auxiliary systems by establishing system-level requirements; defining interfaces between subsystems, launch platforms, and facilities; and developing policy/design tenets to ensure overall system performance and interoperability.<br><br>- Continue upgrading the WS to include establishing system and sub-system level requirements, and developing policy and program level design tenets to ensure overall system performance and interoperability. Continue defining and refining with Prime and all Subcontractors the interfaces between and within the AUR, Canister, and Weapon Control System and Launch platforms.<br><br>- Maintain and grow the classified digital infrastructure across industry and government sites to enable coordination, rapid development, and communication between multiple locations.<br><br>- Complete efforts to expand industrial base capacity to prepare for increased AUR and Advance Payload Module (APM) production needed to support delivery of 24 AURs and 5 APMs per year. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Implement digital engineering-focused systems engineering processes such as ConOps development, requirements development and management, interface control, and verification and validation (V&V) for classified digital infrastructure for all relevant CPS design agents and stakeholders. Connect modeling and simulation, Single Shot Probability of Kill (SSPk) tool, physics based models, hardware in the loop (HWIL) and software development efforts across the CPS enterprise to capture CPS weapon system logical, physical, and functional behavior in a digital environment.<br><br>- Execute Schedule Management, Risk Management, Safety Management, Software Engineering, Program Protection, Cybersecurity, and Quality Assurance in support of FY 2024 activities and future CPS Program milestones.<br><br>***FY 2024 OCO Plans:***<br>N/A<br><br>***FY 2023 to FY 2024 Increase/Decrease Statement:***<br>The FY 2023 to FY 2024 decrease of $12.231M is due to industrial base capacity expansion efforts completing in FY 2024. | | | | | |
| ***Title:*** Flight Subsystem | 525.687 | 587.573 | 321.674 | 0.000 | 321.674 |
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** The Flight Subsystem category accommodates all efforts for Blk 1 and future TIs associated with the Missile Body and C-HGB, design, development, fabrication, test, and transition to production; development and test of navigation, guidance, and control flight software; Thermal Protection System (TPS) efforts; and hardware procurements for Insensitive Munitions (IM) testing.<br><br>***FY 2023 Plans:***<br>- Continue the Blk 1 AUR effort as it transitions from component qualification, software verification and validation (V&V) testing, Weapon System integration testing, and initial testing to final flight testing and Army deployment. Begin AUR Hazard of Electromagnetic Radiation to Ordnance (HERO) testing, and system-level Electromagnetic Interference (EMI), Electromagnetic Compatibility (EMC), and Environmental testing.<br><br>- Continue the TI-22 AUR effort as it transitions from final design to component qualification testing, flight software V&V testing, and weapon system integration testing. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue the Blk 1 AUR system level integration testing and commence TI-22 subsystem level AUR integration testing with Navy Weapons Control Systems via Test Lines (TL-1 and TL-2).<br><br>- Continue Government National Team efforts to design, develop, fabricate, and test C-HGB and missile body flight articles for JFC 3, 4, 5, and 6. Efforts focus on the development and integration of individual missile components including the C-HGB and the missile body, and on the overall integration of the missile into a weapon system.<br><br>- Complete the design, development, fabrication, and testing of two ITVs to support In-Air Launch (IAL) testing.<br><br>- Continue the design, development, fabrication, and testing of two ITVs to support Underwater Launch (UWL) testing.<br><br>- Continue fabrication of test articles for IM/HC test series in support of Navy deployment. Complete C-HGB Fast Cook Off IM/HC testing.<br><br>- Continue design, development, fabrication, and testing of five TI-22 AURSIMs in support of assembly proofing, and Box Launcher and ZUMWALT-Class DDG integration testing.<br><br>- Begin glide body and missile body procurements of long lead time material associated with the first three ZUMWALT-Class assets.<br><br>- Continue the support of flight system software, including the development of requirements and performance metrics, hardware integration and test, verification and validation testing, and HWIL simulation support for Blk 1 completion and TI-22 maturation.<br><br>- Continue analytical support for thermo-structural, computational fluid dynamics, roll prescription analysis, modeling & simulation, and flight worthiness analysis, as well as a Design of Experiments to gain a physics-based understanding on constituent TPS materials and processing to select cost-effective TPS materials with reduced production times. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue the TI-24 AUR effort as it transitions from requirements and architecture definition to preliminary design. | | | | | |
| ***FY 2024 Base Plans:***<br>- Prepare Blk 1 AUR asset for JFC-4 by completing component qualification, software V&V testing, Weapon System integration testing, and initial testing. Complete AUR HERO testing, and system-level EMI, EMC, and Environmental testing.<br><br>- Continue the TI-22 AUR effort as it transitions from final design to component qualification testing, flight software V&V testing, and weapon system integration testing.<br><br>- Complete the Blk 1 AUR system level integration testing and TI-22 subsystem level AUR integration testing with Navy Weapons Control Systems via Test Lines (TL-1 and TL-2).<br><br>- Continue Government National Team efforts to design, develop, fabricate, and test C-HGB and missile body flight articles for JFC 4, 5, 6, 7, and 8. Efforts focused on the development and integration of individual missile components including the C- HGB and the missile body, and on the overall integration of the missile into a weapon system.<br><br>- Continue the design, development, fabrication, and testing of two ITVs to support UWL testing.<br><br>- Continue fabrication of test articles for IM/HC test series in support of Navy deployment. Complete C-HGB bullet impact and fragment impact IM/HC testing, C-HGB slow cook off, First Stage Solid Rocket Motor fast cook off, and 40' vertical drop testing.<br><br>- Complete first TI-22 AURSIM to support assembly proofing and Box Launcher integration testing. Continue design, development, fabrication, and testing of four TI-22 AURSIMs for assembly proofing, and Box Launcher and ZUMWALT-Class DDG integration testing.<br><br>- Continue glide body and missile body procurements, fabrication, and testing of the first three ZUMWALT-Class assets. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue support of flight system software, including development of requirements and performance metrics, hardware integration and test, verification and validation testing, and HWIL simulation support for Blk 1 completion and TI-22 maturation.<br><br>- Continue analytical support for thermo-structural, computational fluid dynamics, roll prescription analysis, modeling & simulation, and flight worthiness analysis, as well as a Design of Experiments to gain a physics-based understanding on constituent TPS materials, then selecting cost-effective TPS materials with reduced production times.<br><br>- Continue the TI-24 AUR effort as it transitions from preliminary design to final design.<br><br>***FY 2024 OCO Plans:***<br>N/A<br><br>***FY 2023 to FY 2024 Increase/Decrease Statement:***<br>The FY 2023 to FY 2024 decrease of $265.899M is due to realigning funds to WPN for AUR+Cs previously programmed in RDT&E. | | | | | |
| ***Title:*** Platform Integration<br>***Articles:***<br><br>***Description:*** The Platform Integration category accommodates all non-recurring engineering (NRE) efforts associated with CPS payload hosting on Block V VIRGINIA platforms. This encompasses all efforts required to develop and test a launcher system including: modification of and maintaining the IAL test facility; conducting in-air launcher testing; construction of the UWL test facility and fabrication of major UWL specialty equipment for outfitting of the UWL test facility in sequence with construction to facilitate testing planned in FY 2025; design, development, test, and certification of Pier Side Support Equipment (PSSE) to on-load and off-load Advanced Payload Modules (APMs), AUR+Cs, and fired/expended canisters; design, development, and testing of prototype APM; and host platform system modifications. The effort also includes development and test of the Weapon Control System (WCS) including: prototype hardware and software in support of range based test launches and early integration demonstration on ZUMWALT, software and hardware for support mission planning (on-and off-board), and hardware and software to ensure host platform system modifications. The design, development, and test of WCS elements, APM, and PSSE must support Army fielding and ZUMWALT Class DDG integration timelines, as applicable. | 459.012<br>- | 362.375<br>- | 293.064<br>- | 0.000<br>- | 293.064<br>- |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| ***FY 2023 Plans:***<br>- Restart non-recurring engineering (NRE) efforts required to modify the Block V VIRGINIA Class design to support the integration of CPS.<br><br>- Continue construction of UWL test facility and fabrication of major UWL specialty equipment for integration during construction (outfitting). Facility is being constructed by NAVFAC under 10 USC 2353 authority.<br><br>- Deliver final Block I mission planning capability in support of initial Army deployment.<br><br>- Continue design and development of the WCS software and sub-system level testing.<br><br>- Continue development of algorithms for trajectory generation and the Mission Data Load generator for use in CPS Mission Planning, both at geographic combatant commanders through integration into the Theater Mission Planning Center, and onboard platforms as part of the WCS. Perform requirements refinement, CPS Mission Planning System Requirements Review, and software design, development, and integration.<br><br>- Continue design, development, and testing of prototype APM.<br><br>- Continue design and fabrication of PSSE.<br><br>- Complete fabrication, delivery, and initial test of the Box Launcher test asset at the In-Air Launch test facility in preparation for cold-gas launch hypersonic missile test, JFC-4, in Q2 FY 2024.<br>***FY 2024 Base Plans:***<br>- Continue non-recurring engineering (NRE) efforts required to modify the Block V VIRGINIA Class design to support the integration of CPS.<br><br>- Initiate outfitting during new construction shipyard period for payload control cables and launcher-specific support equipment for CPS integration on VIRGINIA Class hulls.<br><br>- Continue In-Air Launch test activities at China Lake using prototype APM in support of ZUMWALT deployment. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue construction of UWL test facility and continue fabrication/installation of major UWL specialty equipment for integration during construction (outfitting). Facility will be constructed by NAVFAC under 10 USC 2353 authority.<br><br>- Delivery of first PSSE articles in support of prototype APM test events. Continued fabrication of PSSE.<br><br>- Continue development of CPS WCS and Mission Planning capability to support ZUMWALT and VIRGINIA deployment.<br><br>- Continue development of algorithms for trajectory generation and the Mission Data Load generator for use in CPS Mission Planning, both at geographic combatant commanders through integration into the Theater Mission Planning Center, and onboard platforms as part of the WCS. Perform requirements refinement, CPS Mission Planning System Requirements Review, and software design, development, and integration.<br>***FY 2024 OCO Plans:***<br>N/A<br>***FY 2023 to FY 2024 Increase/Decrease Statement:***<br>The FY 2023 to FY 2024 decrease of $69.311M is due to platform agnostic CPS efforts transitioning to ZUMWALT platform-specific efforts, which are funded by the ZUMWALT program office. Additionally, UWL test facility construction efforts transition from major construction to purchase and installation of specialty test equipment in FY 2024. | | | | | |
| ***Title:*** Test & Evaluation | 79.609 | 58.407 | 131.914 | 0.000 | 131.914 |
| ***Articles:*** | - | - | - | - | - |
| ***Description:*** The Testing and Evaluation (T&E) category provides system level test plans and the execution of JFC test events. The Test and Evaluation category additionally supports test execution demonstrating platform integration of AUR Canister, APM, and WCS capabilities.<br><br>***FY 2023 Plans:***<br>- Execute JFC-2 and JFC-3 flight tests. T&E efforts support launch operations and test planning to include test equipment, assembly tooling, handling hardware, relevant subcomponent ground testing, pathfinder activities, and field activity support. Upon test completion, efforts shift to data collection and analysis. JFC-3 demonstrates the final WS prototype configuration (Block I) that will be fielded in the Army's first battery. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Continue test planning and reviews for further flight tests and evaluation, including JFC-2, JFC-3, JFC-4, JFC-5, and JFC-6. Two years in advance of the test event, the T&E program begins the test requirements analysis phase followed by initial and detailed planning phases, an execution readiness review, and finally a mission readiness review to ensure aspects of the test are ready to support commencing test count down.<br><br>- Continue utilization of broad ocean area flight test data collection assets supporting JFC-3. Continue incremental upgrades of data collection assets to improve the ability to verify threshold lethality requirements.<br><br>- Execute two solid rocket motor static fire tests to validate performance models.<br><br>- Execute warhead live fire testing for maturation and certification of lethality models supporting CPS fielding with the Army's first Battery and ZUMWALT.<br>***FY 2024 Base Plans:***<br>- Execute JFC-4 and JFC-5 flight tests. T&E efforts support launch operations and test planning to include test equipment, assembly tooling, handling hardware, relevant subcomponent ground testing, pathfinder activities, and field activity support. Upon test completion, perform data collection and analysis. JFC-4 will demonstrate the first CPS Block I AUR launch using a capability representative cold-gas box launcher test asset. JFC-5 will be a two-shot campaign to demonstrate the cold-launch of the CPS TI-22 AUR in advance of ZUMWALT Class shipboard integration and installation.<br><br>- Continue test planning and reviews for further flight tests and evaluation, including JFC-4, JFC-5, JFC-6, JFC-7, and JFC-8. Two years in advance of the test event, the T&E program will begin the test requirements analysis phase, followed by initial and detailed planning phases, an execution readiness review, and finally a mission readiness review to ensure aspects of the test are ready to support commencing test count down.<br><br>- Continue utilization of broad ocean area flight test data collection assets, supporting JFC-4 and JFC-5. Continue incremental upgrades of data collection assets to improve the ability to verify threshold lethality requirements. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Execute warhead live fire testing for maturation and certification of lethality models supporting CPS fielding to Army and Navy platforms.<br>***FY 2024 OCO Plans:***<br>N/A<br>***FY 2023 to FY 2024 Increase/Decrease Statement:***<br>The FY 2023 to FY 2024 increase of $73.507M is due to test execution costs that were previously cost-shared by the Army. FY 2024 is the first year that flight tests are fully funded by the Navy and will consist of three test launches (1 during JFC-4 and 2 during JFC-5). | | | | | |
| ***Title:*** Science and Technology / Advanced Capabilities (STAC)<br>***Articles:***<br><br>***Description:*** The STAC budget category identifies, develops, tests, matures, and transitions new technologies and Weapon System capabilities to close Navy and Army warfighting gaps. The STAC program executes internal development and liaises with the broader DoD Science and Technology (S&T) community to identify emerging technologies, and then develops component, subsystem, or other capabilities needed to improve affordability, manage obsolescence, and increase the CPS weapon system's capabilities against existing and emerging threats. The STAC program consists of three supporting elements:<br><br>1) Technology and advanced capability identification and development<br>2) Technology maturation including component level experimental testing (wind tunnel, ground, sled, and flight) to demonstrate capability<br>3) Technology evaluations to validate readiness levels for transition into the Weapon System<br><br>STAC focuses on those technologies that improve affordability, manage obsolescence, and increase CPS WS's capabilities against the following program Top Level Requirement (TLR) categories:<br><br>1) Priority targets;<br>2) Emerging threat environments;<br>3) Flight effectiveness;<br>4) Accuracy; and<br>5) Command, Control and Communications (C3) interoperability. Details are available at a higher classification level. | 53.087<br>- | 96.004<br>- | 65.961<br>- | 0.000<br>- | 65.961<br>- |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| ***FY 2023 Plans:***<br>- Transition technologies and capabilities, such as advanced communications, planned for Technology Insertion - 22 (TI-22).<br><br>- Continue to use modeling and simulation analysis to understand the CPS capabilities and gaps in affordability, lethality, survivability, performance envelope, and CONOPS.<br><br>- Initiate affordability and obsolescence management initiatives, including the use of additive manufacturing to reduce costs and increase production performance of warheads and Thermal Protection Systems (TPS).<br><br>- Initiate development of next generation warhead capability improvements to expand lethality against a broader set of targets. Details are available at a higher classification level.<br><br>- Continue development and perform verification and performance testing for alternate navigation technologies to improve performance in identified threat environments. Details are available at a higher classification level.<br><br>- Continue development of terminal sensors and perform verification and performance testing prior to design decision milestones. Details are available at a higher classification level.<br><br>- Continue experimental testing for advanced capabilities using sounding rocket tests and initiate alternative experimental launch test capabilities leveraging the Multi-Service Advanced Capabilities for Hypersonics Test Bed (MACH-TB).<br>***FY 2024 Base Plans:***<br>- Submit technologies demonstrating technical and integration readiness and perform final technology demonstration prior to TI Final Design Review.<br><br>- Continue to use modeling and simulation analysis to understand the CPS capabilities and gaps in lethality, survivability, performance envelope, and CONOPS.<br><br>- Continue affordability and obsolescence management initiatives, including the use of additive manufacturing to reduce costs and increase production performance of warheads and TPSs. | | | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total |
|---|---|---|---|---|---|
| - Perform design maturation, prototyping, and testing of next generation warhead capability improvements to expand lethality against a broader set of targets. Details are available at a higher classification level.<br><br>- Continue to develop alternate navigation technologies to improve performance in identified threat environments. Details are available at a higher classification level.<br><br>- Continue development of terminal sensors and perform sensor integration and performance testing prior to production milestones. Details are available at a higher classification level.<br><br>- Continue experimental testing for advanced capabilities using sounding rocket and perform full-scale experimental launch test capabilities leveraging the Multi-Service Advanced Capabilities for Hypersonics Test Bed (MACH-TB).<br>***FY 2024 OCO Plans:***<br>N/A<br>***FY 2023 to FY 2024 Increase/Decrease Statement:***<br>The FY 2023 to FY 2024 decrease of $30.043M is due to shifting focus to affordability and obsolescence management and away from development of emergent advanced capabilities. | | | | | |
| **Accomplishments/Planned Programs Subtotals** | 1,277.768 | 1,205.041 | 901.064 | 0.000 | 901.064 |

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

N/A

**Remarks**

**D. Acquisition Strategy**

The Conventional Prompt Strike (CPS) program is a phased acquisition program currently in its Middle Tier of Acquisition (MTA) Rapid Prototyping phase of development for the baseline Navy CPS Weapon System, which also provides a common AUR for the Army's use in the Long Range Hypersonic Weapon (LRHW). System design, prototyping, and early fielding utilize the MTA, as authorized by Section 804 of the FY 2016 National Defense Authorization Act (NDAA) and amended in FY 2017 NDAA (codified at 10 U.S.C. sub sec 2302 note), with the goal of transitioning to a Major Capability Acquisition (MCA) at Milestone C. The Rapid Prototyping path of MTA provides for the use of innovative technologies to rapidly develop fieldable prototypes to demonstrate new capabilities and meet emerging military needs. The current CPS Rapid Prototyping Phase will demonstrate a hypersonic cold gas launched missile prototype capability by FY 2024. In furtherance of this objective, in FY 2023, the CPS program will demonstrate the prototype missile, will conduct testing to prove the launch system concept, and will continue to mature integration

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

objectives to support on-time Army deployment by the end of the FY and Navy integrated system demonstration in the following year. The next acquisition phase, MTA Rapid Fielding, will initiate in FY 2024 to support the ZUMWALT Class DDG deployment of the CPS system by FY 2025.

In FY 2023, the CPS program continued the incremental funding of 3 flight test assets, 1 high fidelity test asset, and 5 high fidelity AUR simulators to be delivered in FY 2024. The CPS program also initiated the incremental funding of 3 AURs and 2 flight test assets by procuring long lead material.

In FY 2024, the CPS program will continue the incremental funding for the remaining assembly, integration, and test of 3 AUR+Cs and 2 flight test assets to be delivered in FY 2025. The CPS program will also initiate the incremental funding of 1 flight test asset and 1 high fidelity AUR simulator.

In FY 2023, the cost of an AUR+C is assessed at $46.7M. An additional cost of $4.7M is necessary to incorporate flight test components. High fidelity simulators and high fidelity test assets are assessed at a similar cost as flight test assets.

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flight Subsystem | MIPR | US Army Combat Capabilities Development Com : Picatinny Arsenal, NJ | 22.660 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 22.660 | - |
| Flight Subsystem | MIPR | US Army Combat Capabilities Aviation & Missile Cen : Huntsville, AL | 0.163 | 13.137 | Nov 2021 | 7.669 | Nov 2022 | 4.834 | Nov 2023 | - | | 4.834 | Continuing | Continuing | Continuing |
| Flight Subsystem | SS/CPFF | Draper : Boston, MA | 14.551 | 1.784 | Nov 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 16.335 | - |
| Flight Subsystem | C/BA | GSA : Arlington, VA | 0.180 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.180 | - |
| Flight Subsystem | MIPR | Lawrence Livermore National Laboratory : Livermore, CA | 2.990 | 2.030 | Dec 2021 | 3.192 | Nov 2022 | 2.807 | Nov 2023 | - | | 2.807 | Continuing | Continuing | Continuing |
| Flight Subsystem | SS/CPIF | Lockheed Martin Corporation : Denver, CO | 226.361 | 439.925 | Oct 2021 | 391.954 | Oct 2022 | 215.544 | Oct 2023 | - | | 215.544 | Continuing | Continuing | Continuing |
| Flight Subsystem | MIPR | National Security Agency : Ft. Meade, MD | 0.138 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.138 | - |
| Flight Subsystem | MIPR | Sandia National Laboratory : Albuqueque, NM | 33.310 | 24.184 | Dec 2021 | 30.643 | Nov 2022 | 33.765 | Nov 2023 | - | | 33.765 | Continuing | Continuing | Continuing |
| Flight Subsystem | MIPR | US Army Space and Missile Defense Command (SMDC) : Redstone Arsenal, AL | 0.032 | 0.036 | Oct 2021 | 14.202 | Oct 2022 | 9.900 | Oct 2023 | - | | 9.900 | Continuing | Continuing | Continuing |
| Flight Subsystem | MIPR | US Air Force Research Laboratory (USAFRL) : Wright-Patterson Air Force Base, OH | 0.000 | 0.134 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.134 | - |
| Flight Subsystem | MIPR | Dynetics : Hunstville, AL | 0.000 | 31.961 | Jan 2022 | 126.807 | Dec 2022 | 44.073 | Dec 2023 | - | | 44.073 | 0.000 | 202.841 | - |

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|---|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flight Subsystem | MIPR | Southern Research : Birmingham, AL | 0.000 | 6.067 | Oct 2021 | 4.331 | Oct 2022 | 2.095 | Oct 2023 | - | | 2.095 | 0.000 | 12.493 | - |
| Platform Integration | SS/CPIF | Lockheed Martin Corporation : Denver, CO | 155.058 | 261.465 | Jan 2022 | 221.818 | Jan 2023 | 98.758 | Oct 2023 | - | | 98.758 | Continuing | Continuing | Continuing |
| Platform Integration | WR | NAVAIR (PMA 281) : Patuxent River, MD | 12.309 | 20.186 | Oct 2021 | 14.736 | Nov 2022 | 21.427 | Nov 2023 | - | | 21.427 | Continuing | Continuing | Continuing |
| Test and Evaluation | MIPR | Yuma Proving Ground (YPG) : Yuma, AZ | 0.242 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | Continuing | Continuing | Continuing |
| Science & Technology / Advanced Capabilities | MIPR | Air Force Life Cycle Management Center : Wright-Patterson Air Force Base, OH | 0.145 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.145 | - |
| Science & Technology / Advanced Capabilities | SS/CPFF | US Army Combat Capabilities Aviation & Missile Cen : Huntsville, AL | 0.000 | 0.000 | | 5.730 | Nov 2022 | 2.000 | Nov 2023 | - | | 2.000 | Continuing | Continuing | Continuing |
| Science & Technology / Advanced Capabilities | C/CPFF | John Hopkins University/Applied Physics Laboratory : Laurel, MD | 2.109 | 3.541 | Oct 2021 | 7.558 | Oct 2022 | 7.815 | Oct 2023 | - | | 7.815 | Continuing | Continuing | Continuing |
| Science & Technology / Advanced Capabilities | C/CPFF | Lockheed Martin HEAT : Denver, CO | 0.000 | 3.775 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 3.775 | - |
| Science & Technology / Advanced Capabilities | SS/CPFF | Draper : Boston, MA | 8.436 | 12.935 | Nov 2021 | 12.365 | Nov 2022 | 10.631 | Nov 2023 | - | | 10.631 | 0.000 | 44.367 | - |
| Science & Technology / Advanced Capabilities | MIPR | Lawrence Livermore National Laboratory : Livermore, CA | 0.786 | 3.121 | Oct 2021 | 6.857 | Oct 2022 | 1.400 | Oct 2023 | - | | 1.400 | 0.000 | 12.164 | - |
| Science & Technology / Advanced Capabilities | MIPR | Sandia National Laboratory : Albuqueque, NM | 4.070 | 13.749 | Dec 2021 | 34.280 | Dec 2022 | 25.646 | Dec 2023 | - | | 25.646 | 0.000 | 77.745 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Science & Technology / Advanced Capabilities | C/BA | Southern Research : Birmingham, AL | 0.000 | 0.000 | | 4.398 | Dec 2022 | 0.000 | | - | | 0.000 | 0.000 | 4.398 | - |
| | | **Subtotal** | 483.540 | 838.030 | | 886.540 | | 480.695 | | - | | 480.695 | Continuing | Continuing | N/A |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flight Subsystem | C/CPFF | John Hopkins University/Applied Physics Laboratory : Laurel, MD | 0.826 | 1.590 | Oct 2021 | 2.151 | Oct 2022 | 2.095 | Oct 2023 | - | | 2.095 | Continuing | Continuing | Continuing |
| Flight Subsystem | WR | NSWC, Crane Division : Crane, IN | 2.866 | 2.563 | Oct 2021 | 4.890 | Oct 2022 | 4.369 | Oct 2023 | - | | 4.369 | Continuing | Continuing | Continuing |
| Flight Subsystem | WR | NSWC, Dahlgren Division : Dahlgren, VA | 0.737 | 2.178 | Oct 2021 | 1.734 | Oct 2022 | 2.191 | Oct 2023 | - | | 2.191 | Continuing | Continuing | Continuing |
| Platform Integration | C/CPFF | John Hopkins University/Applied Physics Laboratory : Laurel, MD | 1.967 | 4.003 | Oct 2021 | 3.487 | Oct 2022 | 3.455 | Oct 2023 | - | | 3.455 | Continuing | Continuing | Continuing |
| Platform Integration | WR | NSWC, Crane Division : Crane, IN | 11.054 | 11.092 | Oct 2021 | 13.450 | Oct 2022 | 15.732 | Oct 2023 | - | | 15.732 | Continuing | Continuing | Continuing |
| Platform Integration | WR | NSWC, Dahlgren Division : Dahlgren, VA | 1.426 | 1.877 | Oct 2021 | 1.486 | Oct 2022 | 1.774 | Oct 2023 | - | | 1.774 | Continuing | Continuing | Continuing |
| Platform Integration | WR | NSWC, Indian Head Division : Indian Head, MD | 0.540 | 0.540 | Oct 2021 | 0.419 | Oct 2022 | 0.435 | Oct 2023 | - | | 0.435 | Continuing | Continuing | Continuing |
| Platform Integration | WR | NSWC, Carderock Division : Carderock, MD | 0.000 | 0.000 | | 0.124 | Oct 2022 | 0.000 | | - | | 0.000 | 0.000 | 0.124 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Platform Integration | WR | NUWC, Newport Division : Newport, RI | 9.837 | 0.000 | | 16.152 | Oct 2022 | 33.605 | Oct 2023 | - | | 33.605 | Continuing | Continuing | Continuing |
| Platform Integration | Various | PMS 425 : Washington DC | 5.188 | 0.000 | | 3.371 | Nov 2022 | 8.300 | Nov 2023 | - | | 8.300 | Continuing | Continuing | Continuing |
| Platform Integration | Various | PMS 392 : Washington DC | 0.100 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.100 | - |
| Platform Integration | Various | PMS 450 : Washington DC | 15.306 | 0.000 | | 7.256 | Oct 2022 | 67.733 | Oct 2023 | - | | 67.733 | Continuing | Continuing | Continuing |
| Platform Integration | MIPR | Sandia National Laboratory : Albuqueque, NM | 0.736 | 1.127 | Dec 2021 | 0.104 | Dec 2022 | 0.100 | Dec 2023 | - | | 0.100 | Continuing | Continuing | Continuing |
| Platform Integration | C/CPFF | BAE : Washington DC | 0.040 | 0.206 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.246 | - |
| Platform Integration | MIPR | Lawrence Livermore National Laboratory : Livermore, CA | 0.000 | 0.000 | | 0.689 | Oct 2022 | 0.700 | Oct 2023 | - | | 0.700 | 0.000 | 1.389 | - |
| Test and Evaluation | WR | NUWC, Newport Division : Newport, RI | 0.271 | 0.000 | | 0.533 | Oct 2022 | 1.456 | Oct 2023 | - | | 1.456 | Continuing | Continuing | Continuing |
| Test and Evaluation | MIPR | US Army Space and Missile Defense Command (SMDC) : Redstone Arsenal, AL | 0.000 | 0.511 | Oct 2021 | 0.000 | | 0.210 | Oct 2023 | - | | 0.210 | 0.000 | 0.721 | - |
| Test and Evaluation | MIPR | Vandenberg AFB, 30th SW : Vandenberg Air Force Base, CA | 0.116 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.116 | - |
| Weapon System Integration | C/CPFF | BAE SYSTEMS : Falls Church, VA | 0.253 | 0.508 | Oct 2021 | 0.740 | Oct 2022 | 0.706 | Oct 2023 | - | | 0.706 | Continuing | Continuing | Continuing |
| Weapon System Integration | C/CPFF | Emcube : Alexandria, VA | 0.000 | 1.000 | Oct 2021 | 0.995 | Oct 2022 | 1.058 | Oct 2023 | - | | 1.058 | 0.000 | 3.053 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weapon System Integration | C/CPFF | JHU/APL : Laurel, MD | 5.883 | 6.616 | Nov 2021 | 7.118 | Nov 2022 | 7.152 | Nov 2023 | - | | 7.152 | Continuing | Continuing | Continuing |
| Weapon System Integration | MIPR | Lawrence Livermore National Laboratory : Livermore, CA | 1.755 | 2.455 | Nov 2021 | 4.204 | Jan 2023 | 4.586 | Oct 2023 | - | | 4.586 | Continuing | Continuing | Continuing |
| Weapon System Integration | SS/CPIF | Lockheed Martin Corporation : Denver, CO | 44.345 | 92.733 | Jan 2022 | 26.913 | Jan 2023 | 11.982 | Nov 2023 | - | | 11.982 | Continuing | Continuing | Continuing |
| Weapon System Integration | MIPR | NIWCATL : Charleston, SC | 0.056 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.056 | - |
| Weapon System Integration | WR | NSWC, Crane Division : Crane, IN | 13.889 | 16.973 | Nov 2021 | 18.200 | Nov 2022 | 22.115 | Nov 2023 | - | | 22.115 | Continuing | Continuing | Continuing |
| Weapon System Integration | WR | NSWC, Dahlgren Division : Dahlgren, VA | 0.053 | 0.241 | Jan 2022 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.294 | - |
| Weapon System Integration | WR | NSWC, Indian Head Division : Indian Head, MD | 1.138 | 1.153 | Nov 2021 | 0.573 | Nov 2022 | 0.626 | Nov 2023 | - | | 0.626 | Continuing | Continuing | Continuing |
| Weapon System Integration | WR | NUWC, Newport Division : Newport, RI | 0.861 | 0.000 | | 1.377 | Nov 2022 | 1.368 | Nov 2023 | - | | 1.368 | Continuing | Continuing | Continuing |
| Weapon System Integration | C/CPFF | Penn State University / Applied Research Laboratory : Penn State, PA | 0.825 | 0.784 | Oct 2021 | 2.154 | Oct 2022 | 2.223 | Oct 2023 | - | | 2.223 | Continuing | Continuing | Continuing |
| Weapon System Integration | Various | SPCIO : Washington DC | 0.750 | 0.450 | Mar 2022 | 1.596 | Apr 2023 | 2.057 | Apr 2024 | - | | 2.057 | Continuing | Continuing | Continuing |
| Weapon System Integration | C/CPFF | Techpride : Blacksburg, VA | 0.058 | 0.058 | Oct 2021 | 0.060 | Oct 2022 | 0.058 | Oct 2023 | - | | 0.058 | Continuing | Continuing | Continuing |
| Weapon System Integration | SS/CPFF | Draper : Boston, MA | 0.000 | 0.000 | | 0.380 | Oct 2022 | 0.000 | | - | | 0.000 | 0.000 | 0.380 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | |

**Support ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Weapon System Integration | C/BA | GSA : Arlington, VA | 0.000 | 0.000 | | 0.960 | Nov 2022 | 0.982 | Nov 2023 | - | | 0.982 | 0.000 | 1.942 | - |
| Weapon System Integration | WR | NSWC, Corona : Corona, CA | 0.000 | 0.000 | | 0.796 | Oct 2022 | 0.798 | Oct 2023 | - | | 0.798 | 0.000 | 1.594 | - |
| Weapon System Integration | C/CPFF | Peraton : Herndon, VA | 0.000 | 0.000 | | 0.054 | Oct 2022 | 0.052 | Oct 2023 | - | | 0.052 | 0.000 | 0.106 | - |
| Weapon System Integration | MIPR | Washington Headquarters Services (WHS) : Arlington, VA | 0.000 | 0.000 | | 0.942 | Dec 2022 | 0.455 | Dec 2023 | - | | 0.455 | 0.000 | 1.397 | - |
| Weapon System Integration | WR | NSWC, Port Hueneme : Port Hueneme, CA | 0.000 | 0.000 | | 0.259 | Oct 2022 | 0.000 | | - | | 0.000 | 0.000 | 0.259 | - |
| Science & Technology / Advanced Capabilities | MIPR | CECOM : Aberdeen Proving Ground, MD | 0.401 | 3.558 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 3.959 | - |
| Science & Technology / Advanced Capabilities | WR | NSWC, Crane Division : Crane, IN | 2.651 | 12.408 | Oct 2021 | 24.817 | Oct 2022 | 18.469 | Oct 2023 | - | | 18.469 | 0.000 | 58.345 | - |
| | | **Subtotal** | 123.928 | 164.624 | | 147.984 | | 216.842 | | - | | 216.842 | Continuing | Continuing | N/A |

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

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | C/CPFF | BAE : Falls Church, VA | 0.449 | 0.465 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.914 | - |
| Developmental Test & Evaluation (DT&E) | SS/IDIQ | Jacobs : Dallas, TX | 0.833 | 1.700 | Nov 2021 | 2.917 | Nov 2022 | 0.000 | | - | | 0.000 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | WR | Naval Air Warfare Center Weapons Division (China L : China Lake, CA | 40.106 | 83.379 | Oct 2021 | 60.982 | Oct 2022 | 41.585 | Oct 2023 | - | | 41.585 | Continuing | Continuing | Continuing |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>3334 / *Conventional Prompt Strike (CPS)* | |

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

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Developmental Test & Evaluation (DT&E) | WR | NAVFAC : Crane, IN | 7.587 | 73.160 | Oct 2021 | 18.751 | Dec 2022 | 0.000 | | - | | 0.000 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | WR | NSWC, Crane Division : Crane, IN | 0.273 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.273 | - |
| Developmental Test & Evaluation (DT&E) | MIPR | 45th Space Wing : Patrick Air Force Base, FL | 0.000 | 4.398 | Oct 2021 | 1.359 | Oct 2022 | 0.126 | Oct 2023 | - | | 0.126 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | MIPR | Arnold Engineering Development Complex (AEDC) : Arnold Air Force Base, TN | 1.199 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.199 | - |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | WR | Naval Air Force, US Pacific (COMNAVAIRPAC) : San Diego, CA | 0.164 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.164 | - |
| Developmental Test & Evaluation (DT&E) | C/CPFF | Hana : Honolulu, HI | 0.345 | 0.564 | Feb 2022 | 0.465 | Feb 2023 | 0.468 | Feb 2024 | - | | 0.468 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | C/CPFF | JHU/APL : Laurel, MD | 1.698 | 3.703 | Oct 2021 | 3.413 | Oct 2022 | 3.736 | Oct 2023 | - | | 3.736 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | MIPR | Lawrence Livermore National Laboratory : Livermore, CA | 2.997 | 7.017 | Oct 2021 | 9.750 | Oct 2022 | 6.250 | Oct 2023 | - | | 6.250 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | SS/CPIF | Lockheed Martin Corporation : Denver, CO | 11.846 | 15.239 | Oct 2021 | 8.661 | Oct 2022 | 3.856 | Oct 2023 | - | | 3.856 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | MIPR | NASA Goddard Space Flight Center Wallops Flight Fa : Greenbelt, MD | 1.369 | 1.684 | Oct 2021 | 1.542 | Oct 2022 | 1.264 | Oct 2023 | - | | 1.264 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | Various | NAVAIR COMMAND : Patuxent River, MD | 1.577 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.577 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* | |

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

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | Sub Allot | NOTU : Cape Canaveral, FL | 0.121 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.121 | - |
| Developmental Test & Evaluation (DT&E) | WR | NSWC, Crane Division : Crane, IN | 1.240 | 3.252 | Oct 2021 | 2.575 | Oct 2022 | 2.568 | Oct 2023 | - | | 2.568 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | WR | NSWC, Dahlgren Division : Dahlgren, VA | 8.897 | 31.070 | Dec 2021 | 19.093 | Oct 2022 | 28.494 | Oct 2023 | - | | 28.494 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | MIPR | Pacific Missile Range Facility : Hawaii | 4.977 | 0.000 | | 11.127 | Oct 2022 | 0.000 | | - | | 0.000 | Continuing | Continuing | Continuing |
| Developmental Test & Evaluation (DT&E) | MIPR | Sandia National Laboratory : Albuqueque, NM | 9.401 | 16.269 | Oct 2021 | 3.932 | Oct 2022 | 11.577 | Oct 2023 | - | | 11.577 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | WR | Surface Combat Systems Center Wallops (SCSC) : Wallops Island, VA | 0.142 | 0.388 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.530 | - |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | WR | NSWC, Indian Head Division : Indian Head, MD | 0.000 | 0.000 | | 0.000 | | 0.052 | Oct 2023 | - | | 0.052 | 0.000 | 0.052 | - |
| Developmental Test & Evaluation (DT&E) | Various | various : range : Not Specified | 9.000 | 3.742 | Oct 2021 | 0.000 | | 80.000 | Oct 2023 | - | | 80.000 | 0.000 | 92.742 | - |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | MIPR | Missile and Space Intelligence Center (MSIC) : Redstone Arsenal, AL | 0.420 | 0.608 | Oct 2021 | 0.418 | Oct 2022 | 0.412 | Oct 2023 | - | | 0.412 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | MIPR | National Air and Space Intelligence Center : Wright-Patterson Air Force Base, OH | 0.000 | 0.404 | Oct 2021 | 0.314 | Oct 2022 | 0.303 | Oct 2023 | - | | 0.303 | Continuing | Continuing | Continuing |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | MIPR | National Ground Intelligence | 0.000 | 0.134 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.134 | - |

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* | |

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

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Center (NGIC) : Charlottesville, VA | | | | | | | | | | | | | |
| Prior Year Developmental Test & Evaluation Not Funded FYDP (PYDT&E) | WR | NSWC, Carderock Division : Carderock, MD | 0.734 | 0.319 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.053 | - |
| | | **Subtotal** | 105.375 | 247.495 | | 145.299 | | 180.691 | | - | | 180.691 | Continuing | Continuing | N/A |

**Management Services ($ in Millions)**

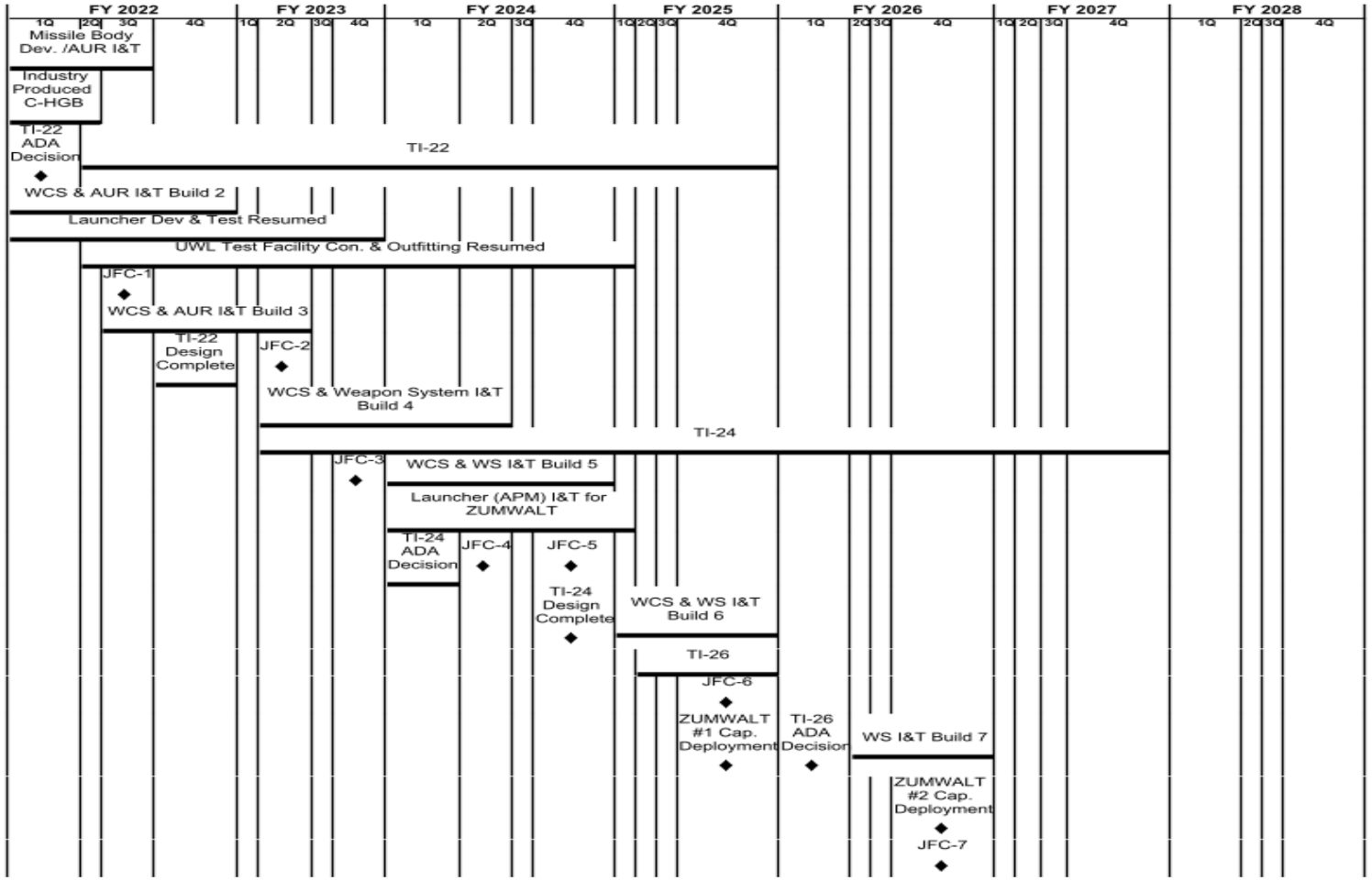
| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Flight Subsystem | C/CPFF | Peraton : Herndon, VA | 0.052 | 0.100 | Oct 2021 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.152 | - |
| Weapon System Integration | C/CPFF | EMCUBE : Alexandria, VA | 0.160 | 0.000 | | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 0.160 | - |
| Weapon System Integration | C/CPFF | JHU/APL : Laurel, MD | 2.009 | 1.225 | Oct 2021 | 0.751 | Oct 2022 | 0.939 | Oct 2023 | - | | 0.939 | Continuing | Continuing | Continuing |
| Weapon System Integration | SS/CPIF | Lockheed Martin Corporation : Denver, CO | 14.028 | 14.531 | Feb 2022 | 11.742 | Feb 2023 | 5.228 | Feb 2024 | - | | 5.228 | Continuing | Continuing | Continuing |
| Weapon System Integration | WR | NSWC, Crane Division : Crane, IN | 9.809 | 6.262 | Oct 2021 | 6.778 | Oct 2022 | 6.669 | Oct 2023 | - | | 6.669 | Continuing | Continuing | Continuing |
| Weapon System Integration | C/CPFF | Delta Resources, INC (VTG) : Chantilly, VA | 3.620 | 5.501 | Mar 2022 | 5.947 | Mar 2023 | 10.000 | Mar 2024 | - | | 10.000 | Continuing | Continuing | Continuing |
| | | **Subtotal** | 29.678 | 27.619 | | 25.218 | | 22.836 | | - | | 22.836 | Continuing | Continuing | N/A |

| | Prior Years | FY 2022 | | FY 2023 | | FY 2024 Base | | FY 2024 OCO | | FY 2024 Total | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | 742.521 | 1,277.768 | | 1,205.041 | | 901.064 | | - | | 901.064 | Continuing | Continuing | N/A |

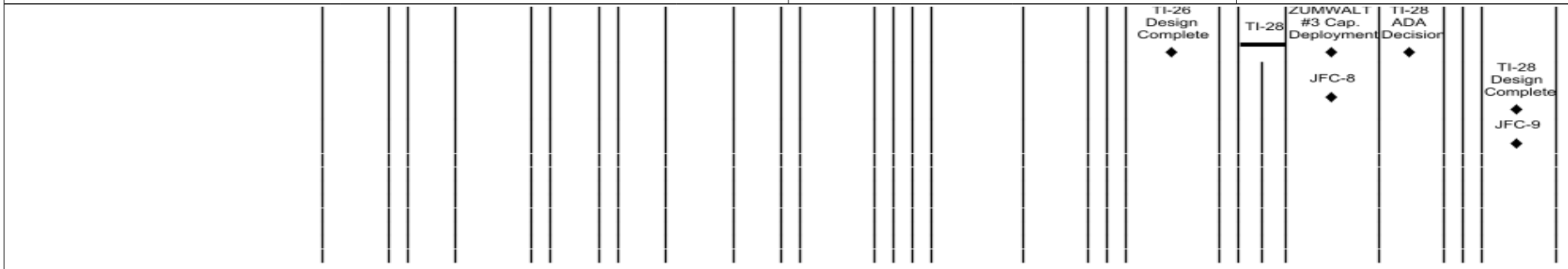
**Remarks**

| Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

Proj 3334



| Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |




2024PB - 0605518N - 3334

| Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

## Schedule Details

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| ***Proj 3334*** | | | | |
| Missile Body Development/AUR I&T | 1 | 2022 | 3 | 2022 |
| Industry Produced Common Hypersonic Glide Body (C-HGB) | 1 | 2022 | 2 | 2022 |
| TI-22 ADA Decision | 1 | 2022 | 1 | 2022 |
| TI-22 | 2 | 2022 | 4 | 2025 |
| WCS & AUR I&T Build 2 | 1 | 2022 | 4 | 2022 |
| Launcher Development & Test Resumed | 1 | 2022 | 4 | 2023 |
| Underwater Launch (UWL) Test Facility Construction and Outfitting Resumed | 2 | 2022 | 1 | 2025 |
| JFC-1 | 3 | 2022 | 3 | 2022 |
| WCS & AUR I&T Build 3 | 3 | 2022 | 2 | 2023 |
| TI-22 Design Complete | 4 | 2022 | 4 | 2022 |
| JFC-2 | 2 | 2023 | 2 | 2023 |
| WCS and Weapon System I&T Build 4 | 2 | 2023 | 2 | 2024 |
| TI-24 | 2 | 2023 | 4 | 2027 |
| JFC-3 | 4 | 2023 | 4 | 2023 |
| WCS and WS I&T Build 5 | 1 | 2024 | 4 | 2024 |
| Launcher (APM) I&T for ZUMWALT | 1 | 2024 | 1 | 2025 |
| TI-24 ADA Decision | 1 | 2024 | 1 | 2024 |
| JFC-4 | 2 | 2024 | 2 | 2024 |
| JFC-5 | 4 | 2024 | 4 | 2024 |
| TI-24 Design Complete | 4 | 2024 | 4 | 2024 |
| WCS and WS I&T Build 6 | 1 | 2025 | 4 | 2025 |

| Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>3334 / *Conventional Prompt Strike (CPS)* |

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| TI-26 | 2 | 2025 | 4 | 2025 |
| JFC-6 | 4 | 2025 | 4 | 2025 |
| ZUMWALT #1 Capability Deployment | 4 | 2025 | 4 | 2025 |
| TI-26 ADA Decision | 1 | 2026 | 1 | 2026 |
| WS I&T Build 7 | 2 | 2026 | 4 | 2026 |
| ZUMWALT #2 Capability Deployment | 4 | 2026 | 4 | 2026 |
| JFC-7 | 4 | 2026 | 4 | 2026 |
| TI-26 Design Complete | 4 | 2026 | 4 | 2026 |
| TI-28 | 2 | 2027 | 3 | 2027 |
| ZUMWALT #3 Capability Deployment | 4 | 2027 | 4 | 2027 |
| TI-28 ADA Decision | 1 | 2028 | 1 | 2028 |
| JFC-8 | 4 | 2027 | 4 | 2027 |
| TI-28 Design Complete | 4 | 2028 | 4 | 2028 |
| JFC-9 | 4 | 2028 | 4 | 2028 |

| Exhibit R-2A, RDT&E Project Justification: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>9999 / *Congressional Adds* | |

| COST ($ in Millions) | Prior Years | FY 2022 | FY 2023 | FY 2024 Base | FY 2024 OCO | FY 2024 Total | FY 2025 | FY 2026 | FY 2027 | FY 2028 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9999: *Congressional Adds* | 0.000 | 4.827 | 25.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 29.827 |
| Quantity of RDT&E Articles | | - | - | - | - | - | - | - | - | - | | |

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

The Conventional Prompt Strike (CPS) program will accelerate development and demonstration flight testing by leveraging commercial and reusable launch services with a modular Multi-service Advanced Capability for Hypersonics Test Bed (MACH-TB) design.

| B. Accomplishments/Planned Programs ($ in Millions) | FY 2022 | FY 2023 |
|---|---|---|
| ***Congressional Add:*** Cross-service hypersonic testing capabilities through adv. concepts tech. eval.<br>***FY 2022 Accomplishments:*** Awarded Phase 1 MACH-TB contract, developed a universal payload adapter for DoD systems to integrate with commercial launch service providers, and developed the test vehicle to demonstrate payload separation. Full-scale Test (FST) flight test planned for Q3 FY 2023.<br>***FY 2023 Plans:*** N/A | 4.827 | 0.000 |
| ***Congressional Add:*** Flight tests<br>***FY 2022 Accomplishments:*** N/A<br>***FY 2023 Plans:*** - Procure commercial launch services to test Experimental Glide Body (EGB) design and integrated payloads.<br>- Procure Assembly Integration & Test Equipment for MACH-TB flight test capability and capacity.<br>- Define, design, and prototype modular testbed design with modular, open interfaces for additional full scale flights in FY 2024 and FY 2025. | 0.000 | 25.000 |
| **Congressional Adds Subtotals** | 4.827 | 25.000 |

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

N/A

**Remarks**

**D. Acquisition Strategy**

N/A

| Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Navy | | | Date: March 2023 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 4 | R-1 Program Element (Number/Name)<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | Project (Number/Name)<br>9999 / *Congressional Adds* | |

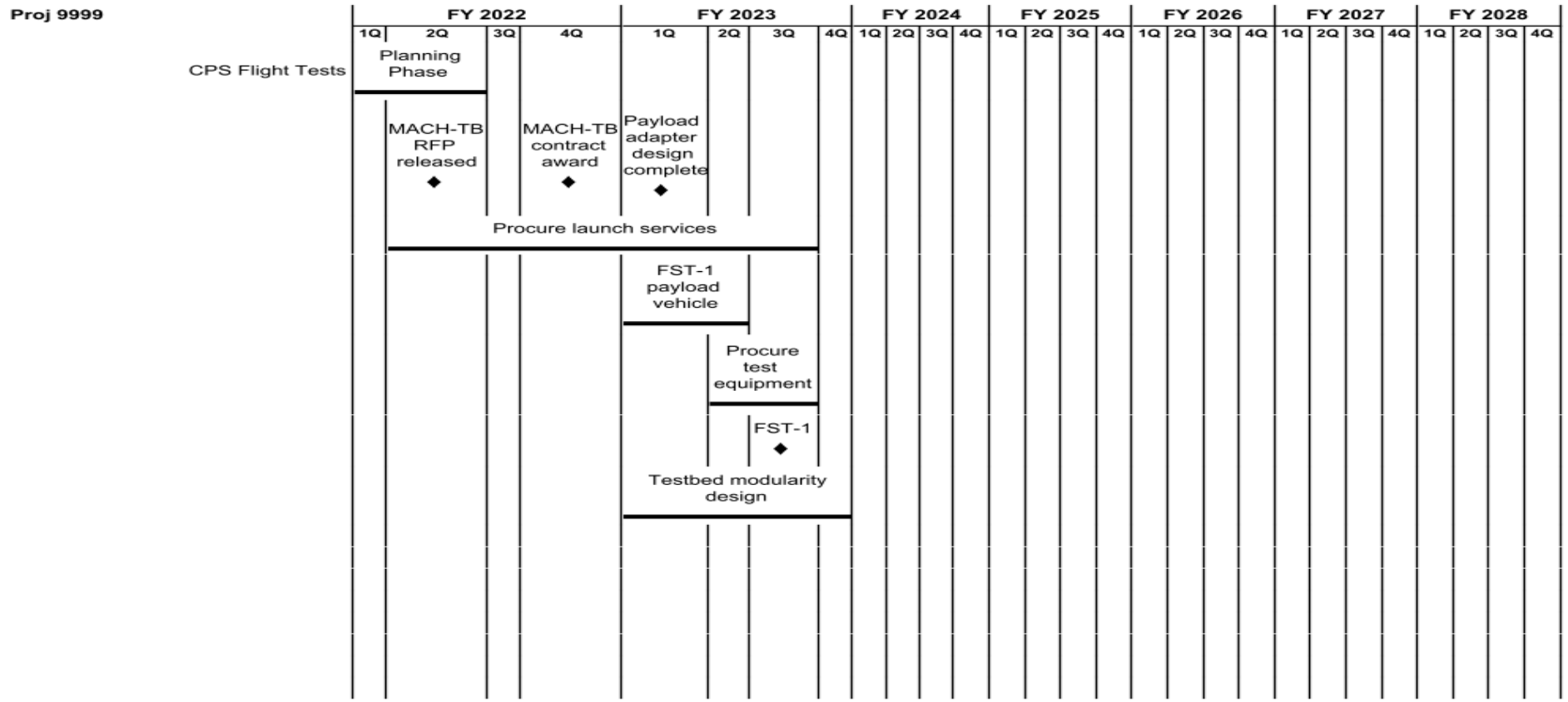
**Product Development ($ in Millions)**

| Cost Category Item | Contract Method & Type | Performing Activity & Location | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C763 | WR | NWSC Crane Division : Crane, IN | 0.000 | 1.931 | May 2022 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 1.931 | - |
| C763 | MIPR | Sandia National Laboratory : Albuqueque, NM | 0.000 | 2.896 | May 2022 | 0.000 | | 0.000 | | - | | 0.000 | 0.000 | 2.896 | - |
| C881 | MIPR | Dynetics : Huntsville, AL | 0.000 | 0.000 | | 19.000 | Apr 2023 | 0.000 | | - | | 0.000 | 0.000 | 19.000 | - |
| C881 | C/BA | Sandia National Laboratory : Albuqueque, NM | 0.000 | 0.000 | | 3.000 | Mar 2023 | 0.000 | | - | | 0.000 | 0.000 | 3.000 | - |
| C881 | C/BA | SAIC : Crane, IN | 0.000 | 0.000 | | 3.000 | Apr 2023 | 0.000 | | - | | 0.000 | 0.000 | 3.000 | - |
| | | **Subtotal** | 0.000 | 4.827 | | 25.000 | | 0.000 | | - | | 0.000 | 0.000 | 29.827 | N/A |

| | Prior Years | FY 2022 Cost | FY 2022 Award Date | FY 2023 Cost | FY 2023 Award Date | FY 2024 Base Cost | FY 2024 Base Award Date | FY 2024 OCO Cost | FY 2024 OCO Award Date | FY 2024 Total Cost | Cost To Complete | Total Cost | Target Value of Contract |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Project Cost Totals** | 0.000 | 4.827 | | 25.000 | | 0.000 | | - | | 0.000 | 0.000 | 29.827 | N/A |

**Remarks**

| Exhibit R-4, RDT&E Schedule Profile: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>9999 / *Congressional Adds* |




*2024PB - 0605518N - 9999*

| Exhibit R-4A, RDT&E Schedule Details: PB 2024 Navy | | Date: March 2023 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 4 | **R-1 Program Element (Number/Name)**<br>PE 0605518N / *CONVENTIONAL PROMPT STRIKE (CPS)* | **Project (Number/Name)**<br>9999 / *Congressional Adds* |

## Schedule Details

| | Start | | End | |
|---|---|---|---|---|
| **Events by Sub Project** | **Quarter** | **Year** | **Quarter** | **Year** |
| ***Proj 9999*** | | | | |
| CPS Flight Tests: Planning Phase | 1 | 2022 | 2 | 2022 |
| CPS Flight Tests: MACH-TB RFP released | 2 | 2022 | 2 | 2022 |
| CPS Flight Tests: MACH-TB contract awarded | 4 | 2022 | 4 | 2022 |
| CPS Flight Tests: Payload adapter design complete | 1 | 2023 | 1 | 2023 |
| CPS Flight Tests: Procure launch services | 2 | 2022 | 3 | 2023 |
| CPS Flight Tests: FST-1 payload vehicle produced | 1 | 2023 | 2 | 2023 |
| CPS Flight Tests: Procure test equipment | 2 | 2023 | 3 | 2023 |
| CPS Flight Tests: FST-1 | 3 | 2023 | 3 | 2023 |
| CPS Flight Tests: Testbed modularity design | 1 | 2023 | 4 | 2023 |