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**Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / <i>Navy Tactical Computer Resources</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	31.851	4.099	4.279	3.921	-	3.921	3.972	4.041	4.118	4.199	Continuing	Continuing
3360: <i>Common Processing System (CPS)</i>	11.102	1.491	1.576	1.398	-	1.398	1.416	1.441	1.469	1.498	Continuing	Continuing
3361: <i>Common Display System (CDS)</i>	20.749	2.608	2.703	2.523	-	2.523	2.556	2.600	2.649	2.701	Continuing	Continuing

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

Common Processing System (CPS) and Common Display System (CDS) programs support developing computing infrastructure in a competitively sourced environment. The Common Display System (CDS) & Common Processing System (CPS) provide technical replacements for obsolete display and processing equipment (such as AN/UYQ-70) for multiple warfare systems aboard Surface Combatants and Large Deck class ships.

CPS equipment suite provides computer processing and memory, data storage and extraction, network systems, and Input/Output (I/O) interfaces to host software applications of Navy combat systems. These upgrades support AEGIS Modernization, AEGIS new construction, AEGIS Ashore, Ship Self Defense System (SSDS) MK2 modernization and new construction for all large deck platforms, Surface Electronic Warfare Improvement Program (SEWIP), and other Navy programs. Funding provides for technical management and Engineering Change Proposals (ECP) development for the common baseline. Funding also supports future tech refresh development efforts. Procurement and development funds provided by user programs support program unique requirements.

CDS suite consists of the Technology Insertion (TI) 16 MOD 1 configuration, a follow-on to previous designs beginning with the TI 12 variant. The Navy's TI 16 MOD 1 display and peripheral solutions include Common Display System (CDS) consoles, Thin Client Displays (TCDs), Multi-Mission Displays (MMDs), and peripheral equipment. Upgrades that include these support AEGIS modernization, AEGIS new construction, AEGIS Ashore, DDG-1000, Ship Self Defense System (SSDS) MK 2, Gun Weapon System (GWS), SEWIP, and other Navy programs. Funding provides for technical management and Engineering Change Proposals (ECP) development for the common baseline along with future tech refresh development efforts. Procurement and development funds provided by user programs support program unique requirements.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2025 Navy	<b>Date:</b> March 2024
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<b>Appropriation/Budget Activity</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy / BA 5: System Development &amp; Demonstration (SDD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / <i>Navy Tactical Computer Resources</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Previous President's Budget	4.177	4.279	4.014	-	4.014
Current President's Budget	4.099	4.279	3.921	-	3.921
Total Adjustments	-0.078	0.000	-0.093	-	-0.093
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.055	0.000			
• SBIR/STTR Transfer	-0.023	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.093	-	-0.093

**Change Summary Explanation**

No significant changes.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources				<b>Project (Number/Name)</b> 3360 / Common Processing System (CPS)			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3360: Common Processing System (CPS)	11.102	1.491	1.576	1.398	-	1.398	1.416	1.441	1.469	1.498	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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

CPS equipment suite provides computer processing and memory, data storage and extraction, network systems, and Input/Output (I/O) interfaces to host software applications of Navy combat systems. These upgrades support AEGIS Modernization, AEGIS new construction, AEGIS Ashore, Ship Self Defense System (SSDS) MK2 modernization and new construction for all large deck platforms, Surface Electronic Warfare Improvement Program (SEWIP), and other Navy programs. Funding provides for technical management and Engineering Change Proposals (ECP) development for the common baseline. Funding also supports future tech refresh development efforts. Procurement and development funds provided by user programs support program unique requirements.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Common Processing System (CPS)	1.491	1.576	1.398	0.000	1.398
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Continue system-engineering support of CPS development efforts required to support various Combat and Weapon System Configurations. Development efforts include but are not limited to continued qualification of cabinets along with associated parts and procurement of testing equipment, both of which impact SSDS, SEWIP, and other Navy programs. Address obsolescence issues as they are identified within the CPS equipment suite and future tech refresh development efforts.					
<b>FY 2025 Base Plans:</b> Continue system-engineering support of CPS development efforts required to support various Combat and Weapon System Configurations. Development efforts include but are not limited to continued qualification of cabinets along with associated parts and procurement of testing equipment, both of which impact SSDS, SEWIP, and other Navy programs. Address obsolescence issues as they are identified within the CPS equipment suite and future tech refresh development efforts.					
<b>FY 2025 OCO Plans:</b> N/A					
<b>FY 2024 to FY 2025 Increase/Decrease Statement:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3360 / Common Processing System (CPS)

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
Decrease is due to the reduction of one Hardware set (TI12).					
<b>Accomplishments/Planned Programs Subtotals</b>	1.491	1.576	1.398	0.000	1.398

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

N/A

**Remarks**

**D. Acquisition Strategy**

CPS Contract Award.



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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Navy</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3360 / Common Processing System (CPS)

RDT&E,N/BA-5	PE 0604574N / Navy Tactical Computer Resources																3360 / Common Processing System (CPS)															
Fiscal Year	2023				2024				2025				2026				2027				2028				2029							
	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				
Common Processing System (CPS) TI12 H Sustainment Contract																																
	Sustainment Contract																															
Common Processing System (CPS) TI 16 (MK6 MOD 0)																																
	Support Production Contract																															
Common Processing System (CPS) TI 16 (MK6 MOD 1)																																
					Production Contract																											

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<b>Exhibit R-4A, RDT&amp;E Schedule Details: PB 2025 Navy</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3360 / Common Processing System (CPS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 3360</b>				
Common Processing System (CPS): TI12H Sustainment Contract	1	2023	4	2024
Common Processing System (CPS): TI16 (MK6 MOD 0) Production Contract	1	2023	1	2024
Common Processing System (CPS): TI16 (MK6 MOD 1) Production Contract	1	2023	3	2026
Common Processing System (CPS): TI16 (MK6 MOD X) Production Contract	2	2025	4	2029

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy										<b>Date:</b> March 2024		
<b>Appropriation/Budget Activity</b> 1319 / 5					<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources				<b>Project (Number/Name)</b> 3361 / Common Display System (CDS)			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>FY 2029</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3361: Common Display System (CDS)	20.749	2.608	2.703	2.523	-	2.523	2.556	2.600	2.649	2.701	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		

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

CDS suite consists of the Technology Insertion (TI) 16 MOD 1 configuration, a follow-on to previous designs beginning with the TI 12 variant. The Navy's TI 16 MOD 1 display and peripheral solutions include Common Display System (CDS) consoles, Thin Client Displays (TCDs), Multi-Mission Displays (MMDs), and peripheral equipment. Upgrades that include these support AEGIS modernization, AEGIS new construction, AEGIS Ashore, DDG-1000, Ship Self Defense System (SSDS) MK 2, Gun Weapon System (GWS), SEWIP, and other Navy programs. Funding provides for technical management and Engineering Change Proposals (ECP) development for the common baseline along with future tech refresh development efforts. Procurement and development funds provided by user programs support program unique requirements.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
<b>Title:</b> Common Display System (CDS)	2.608	2.703	2.523	0.000	2.523
<b>Articles:</b>	-	-	-	-	-
<b>FY 2024 Plans:</b> Continue system engineering support of CDS development efforts required to support various Combat and Weapon System Configurations. Development efforts include but are not limited to drawing updates and upgrade of equipment design, both of which impact SSDS, SEWIP, and other Navy programs. Address obsolescence's issues as they are identified within the CDS equipment suite. Support engineering analysis of issues identified within field configuration to develop resolution plan to improve reliability, readiness, or reduce operating costs, and future tech refresh development efforts.					
<b>FY 2025 Base Plans:</b> Continue system engineering support of CDS development efforts required to support various Combat and Weapon System Configurations. Development efforts include but are not limited to drawing updates and upgrade of equipment design, both of which impact SSDS, SEWIP, and other Navy programs. Address obsolescence's issues as they are identified within the CDS equipment suite. Support engineering analysis of issues identified within field configuration to develop resolution plan to improve reliability, readiness, or reduce operating costs, and future tech refresh development efforts.					
<b>FY 2025 OCO Plans:</b>					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3361 / Common Display System (CDS)

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>
N/A					
<b><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i></b> Decrease is due to the reduction of one Hardware set (T112).					
<b>Accomplishments/Planned Programs Subtotals</b>	2.608	2.703	2.523	0.000	2.523

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

N/A

**Remarks**

**D. Acquisition Strategy**

CDS Contract award.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Navy** **Date:** March 2024

<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3361 / Common Display System (CDS)
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<b>Product Development (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Systems Engineering	WR	NSWC : PHD	1.528	0.412	Oct 2022	0.445	Oct 2023	0.314	Oct 2024	-		0.314	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC : Dahlgren	10.991	0.972	Oct 2022	0.894	Oct 2023	1.619	Oct 2024	-		1.619	Continuing	Continuing	Continuing
Systems Engineering	C/CPFF	General Dynamics : Fairfax, VA	3.001	0.515	Oct 2022	0.506	Oct 2023	0.245	Oct 2024	-		0.245	0.000	4.267	-
Systems Engineering	C/CPIF	DRS Technologies : Gaithersburg, MD	3.248	0.384	Oct 2022	0.528	Oct 2023	0.197	Oct 2024	-		0.197	0.000	4.357	-
Systems Engineering	C/CPIF	TBD : TBD	1.515	0.140	Oct 2022	0.145	Oct 2023	0.148	Oct 2024	-		0.148	0.000	1.948	-
<b>Subtotal</b>			20.283	2.423		2.518		2.523		-		2.523	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				<b>FY 2023</b>		<b>FY 2024</b>		<b>FY 2025 Base</b>		<b>FY 2025 OCO</b>		<b>FY 2025 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Program Management Services	Various	Various : Various	0.466	0.185	Oct 2022	0.185	Oct 2023	0.000		-		0.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			0.466	0.185		0.185		0.000		-		0.000	Continuing	Continuing	N/A

	<b>Prior Years</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025 Base</b>	<b>FY 2025 OCO</b>	<b>FY 2025 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	20.749	2.608	2.703	2.523	-	2.523	Continuing	Continuing	N/A

**Remarks**

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<b>Exhibit R-4, RDT&amp;E Schedule Profile: PB 2025 Navy</b>		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3361 / Common Display System (CDS)

Fiscal Year	2023				2024				2025				2026				2027				2028				2029			
	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
	<div style="display: flex; justify-content: space-between;"> <span>RDT&amp;E,N/BA-5</span> <span>PE 0604574N / Navy Tactical Computer Resources</span> <span>3360 / Common Processing System (CPS)</span> </div>																											
Common Display System (CDS) TI12 Sustainment Contract					Sustainment Contract																							
Common Display System (CDS) TI 16 (MK6 MOD 0)	Support Production Contract																											
Common Display System (CDS) TI 16 (MK6 MOD 1)					Production Contract																							

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2025 Navy		<b>Date:</b> March 2024
<b>Appropriation/Budget Activity</b> 1319 / 5	<b>R-1 Program Element (Number/Name)</b> PE 0604574N / Navy Tactical Computer Resources	<b>Project (Number/Name)</b> 3361 / Common Display System (CDS)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>Proj 3361</b>				
Common Display System (CDS): T112H Sustainment Contract	1	2023	3	2026
Common Display System (CDS): T116 (MK6 MOD 0) Production Contract	1	2023	3	2023
Common Display System (CDS): T116 (MK6 MOD 1) Production Contract	1	2023	3	2025
Common Display System (CDS): T116 (MK6 MOD X) Production Contract	2	2024	4	2028