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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy	Date: March 2014
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Appropriation/Budget Activity 1319: <i>Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)</i>					R-1 Program Element (Number/Name) PE 0604574N / <i>Navy Tactical Computer Resources</i>							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	14.194	3.552	3.689	3.935	-	3.935	4.141	4.217	4.290	4.382	Continuing	Continuing
1353: <i>Standard Hardware</i>	14.194	3.552	3.689	-	-	-	-	-	-	-	-	21.435
3360: <i>Common Processing System (CPS)</i>	0.000	-	-	1.314	-	1.314	1.376	1.402	1.426	1.455	Continuing	Continuing
3361: <i>Common Display System (CDS)</i>	0.000	-	-	2.621	-	2.621	2.765	2.815	2.864	2.927	Continuing	Continuing

The FY 2015 OCO Request will be submitted at a later date.

A. Mission Description and Budget Item Justification

The Common Processing System (CPS) and Common Display System (CDS) programs support developing open architecture hardware and technology in a competitively sourced environment. CPS & CDS provide technical replacements for obsolete display and processing equipment (such as AN/UYQ-70) for multiple warfare systems aboard CVN, LHA, LPD, LHD, CG-47, DDG-1000, and DDG-51 class ships. CPS provides the computer processing and memory, data storage and extraction, and Input/Output (I/O) interface to support hosting Navy combat system software applications and computing resources in AEGIS Modernization, AEGIS new construction, Surface Electronic Warfare Improvement Program (SEWIP), CVN-TSC, and other Navy programs. CDS provides operator display consoles with a common human machine interface for AEGIS modernization, AEGIS new construction, DDG-1000, CVN, Gun Weapon System (GWS), Ship Self Defense System (SSDS) MK 2, SEWIP, and Unmanned Carrier Launched Airborne Surveillance and Strike (UCLASS). Funding provides for technical management and Engineering Change Proposals (ECP) development for the common baseline. Procurement and development funds provided by user programs to support program unique requirements.

Note: Project 1353 transitioned into two separate Projects beginning in FY15. Projects are 3360 Common Processing System (CPS) and Project 3361 Common Display System (CDS).

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Appropriation/Budget Activity 1319: Research, Development, Test & Evaluation, Navy / BA 5: System Development & Demonstration (SDD)		R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	3.889	3.689	4.477	-	4.477
Current President's Budget	3.552	3.689	3.935	-	3.935
Total Adjustments	-0.337	-	-0.542	-	-0.542
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.097	-			
• Rate/Misc Adjustments	-	-	-0.542	-	-0.542
• Congressional General Reductions Adjustments	-0.240	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources				Project (Number/Name) 1353 / Standard Hardware			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
1353: Standard Hardware	14.194	3.552	3.689	-	-	-	-	-	-	-	-	21.435
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
Funding distributed to Projects 3360 and 3361 beginning in FY15.												
A. Mission Description and Budget Item Justification												
The Common Processing System (CPS) and Common Display System (CDS) programs support developing open architecture hardware and technology in a competitively sourced environment. CPS & CDS provide technical replacements for obsolete display and processing equipment (such as AN/UYQ-70) for multiple warfare systems aboard CVN, LHA, LPD, LSD, CG-47, DDG-1000, and DDG-51 class ships. CPS provides the computer processing and memory, data storage and extraction, and Input/Output (I/O) interface to support hosting Navy combat system software applications and computing resources in AEGIS Modernization, AEGIS new construction, SEWIP, CVN, and other Navy programs. CDS provides operator display consoles with a common human machine interface for AEGIS Modernization, AEGIS new construction, DDG-1000, CVN, GWS, SSDS MK 2, SEWIP, and UCLASS. Funding provides for technical management and ECP development for the common baseline. Procurement and development funds provided by user programs to support program unique requirements.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Systems Engineering									3.552	3.689	-	
									Articles: -	-	-	
FY 2013 Accomplishments: Supported CDS Technical Insertion (TI) 12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG-51 new construction, AEGIS Ashore, CVN, DDG 1000, UCLASS, SEWIP and SSDS Mk 2 ships. Supported technology insertion through AEGIS TI-16 common console design and development planning. Supported CPS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG new construction, AEGIS Ashore, CVN, UCLASS, SEWIP and SSDS Mk 2 ships. Supported technology insertion through AEGIS TI-16 CPS development effort.												
FY 2014 Plans: Continue support of CDS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG-51 new construction, AEGIS Ashore, CVN, DDG 1000, UCLASS, SEWIP and SSDS Mk 2 ships. Begin development of AEGIS Common Console under CDS TI-16 Design and Production contract.												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014	
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources	Project (Number/Name) 1353 / Standard Hardware	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Continue support of CPS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG-51 new construction, AEGIS Ashore, CVN, UCLASS, SEWIP and SSDS Mk 2 ships. Continue development of CPS TI-16. FY 2015 Plans: N/A			
Accomplishments/Planned Programs Subtotals		3.552	3.689
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy Contracts: CDS: TI-12 Indefinite Delivery Indefinite Quantity (IDIQ) Production continues FY13-FY16. TI-16 Design and IDIQ Production FY15 - FY21. CPS: TI12 IDIQ Production continues FY13-FY18. TI16 Build to Print IDIQ Production FY15-FY21.			
E. Performance Metrics Major Milestones: RCEM Contract Award in second quarter FY13 CPS TI-12 Build to Print Contract Award in third quarter FY14 CDS TI-12 Build to Print Contract Award in third quarter FY14 CPS/CDS TI-16 Intermediate Program Review No. 2 in first quarter FY13 CPS/CDS TI-16 Program Preliminary Design Review in third quarter FY13 CPS/CDS TI-16 Program Critical Design Review in fourth quarter FY13 CPS/CDS TI-16 Program IPR No. 3 in second quarter FY14 CPS/CDS TI16 Program Test Readiness Review in third quarter FY14 CPS/CDS TI16 Program Production Readiness Review in fourth quarter FY14			

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy			Date: March 2014		
Appropriation/Budget Activity 1319 / 5		R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources		Project (Number/Name) 1353 / Standard Hardware	

RDT&E,N/BA-5	0604574N/NAVY TACTICAL COMPUTER RESOURCES																1353/COMMON DISPLAY SYSTEM											
Fiscal Year	2013				2014				2015				2016				2017				2018				2019			
	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 Common Display System TI 12																												
Common Processing System Common Display System TI 16																												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014		
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources				Project (Number/Name) 3360 / Common Processing System (CPS)			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
3360: Common Processing System (CPS)	-	-	-	1.314	-	1.314	1.376	1.402	1.426	1.455	Continuing	Continuing
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Funding transferred from Project 1353 beginning in FY15.												
A. Mission Description and Budget Item Justification The Common Processing System (CPS) program supports developing open architecture computer processing hardware and storage technology in a competitively sourced environment. CPS provides technical replacements for obsolete processing equipment (such as AN/UYQ-70) for multiple warfare systems aboard CVN, LHA, LHD, LSD, CG-47, and DDG-51 class ships. CPS serves as the computer processing and memory, data storage and extraction, and Input/Output (I/O) interface to support hosting Navy combat system software applications and computing resources in AEGIS Modernization, AEGIS new construction, SSDS, SEWIP, CVN, UCLASS and other Navy programs. Funding provides for technical management and ECP development for the common product baseline. Procurement and development funds are provided by user programs to support program unique requirements.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Common Processing System (CPS) Articles: FY 2013 Accomplishments: N/A FY 2014 Plans: N/A FY 2015 Plans: Continue support of CPS TI-12 on installed platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG new construction, AEGIS Ashore, CVN, and CVN/Amphib, SEWIP, UCLASS and SSDS Mk 2 ships. Continue build to print contract award efforts for TI-16 CPS equipment.									-	-	1.314	
									-	-	-	
Accomplishments/Planned Programs Subtotals									-	-	1.314	
C. Other Program Funding Summary (\$ in Millions) N/A												

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources	Project (Number/Name) 3360 / Common Processing System (CPS)
C. Other Program Funding Summary (\$ in Millions) Remarks D. Acquisition Strategy CPS TI-12: Continue IDIQ Production through FY14. Compete and award competitive build to print IDIQ production contract for FY14-FY18. CPS TI-16: Award build to Print IDIQ production contract for FY16-FY21.		
E. Performance Metrics Major Milestones: CPS TI-12 Production Readiness Review in first quarter FY15 CPS TI-16 Production Contract Award in fourth quarter FY15 CPS TI-16 Production Readiness Review in fourth quarter FY17 CPS TI Next Intermediate Program Review No. 1 in third quarter FY17 CPS TI Next System Requirements Review in fourth quarter FY17 CPS TI Next Intermediate Program Review No. 2 in first quarter FY18 CPS TI Next Preliminary Design Review in third quarter FY18 CPS TI Next Critical Design Review in fourth quarter FY 18 CPS TI Next Intermediate Program Review No. 3 in second quarter FY19 CPS TI Next Test Readiness Review in third quarter FY19 CPS TI Next Production Readiness Review in fourth quarter FY19		

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604574N / Navy Tactical Computer
Resources

Project (Number/Name)
3360 / Common Processing System (CPS)

RDT&E,N/BA-5	0604574N/NAVY TACTICAL COMPUTER RESOURCES																3360/COMMON PROCESSOR SYSTEM													
Fiscal Year	2013				2014				2015				2016				2017				2018				2019					
	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 TI 12									TI-12 PRR 12					Support Production Contract																
Common Processing System TI 16												TI-16 CA 9			TI-16 PRR 7		Support Production Contract													
Common Processing System TI NEXT (Notional)																	TI-NEXT IPR #1 5	TI-NEXT SRR 8	TI-NEXT IPR #2 12	TI-NEXT PDR 4	TI-NEXT CDR 7			TI-NEXT IPR #3 1	TI-NEXT TRR 4	TI-NEXT PRR 8				

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy										Date: March 2014																														
Appropriation/Budget Activity 1319 / 5					R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources				Project (Number/Name) 3361 / Common Display System (CDS)																															
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost																												
3361: Common Display System (CDS)	-	-	-	2.621	-	2.621	2.765	2.815	2.864	2.927	Continuing	Continuing																												
Quantity of RDT&E Articles	0.000	-	-	-	-	-	-	-	-	-																														
# The FY 2015 OCO Request will be submitted at a later date. Note Funding transferred from Project 1353 beginning in FY15. A. Mission Description and Budget Item Justification The Common Display System (CDS) program supports developing open architecture hardware and technology in a competitively sourced environment. CDS provides technical replacements for obsolete display equipment (such as AN/UYQ-70) for multiple warfare systems aboard CVN, LHA, LHD, LSD, CG-47,DDG-1000, and DDG-51 class ships. CDS provides operator display consoles with a common human machine interface for AEGIS Modernization, AEGIS new construction, SSDS, DDG-1000, CVN, GWS, SSDS MK 2, SEWIP, and UCLASS. Funding provides for technical management and ECP development for the common baseline. Procurement and development funds provided by user programs for program unique requirements. B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) <table border="1"> <thead> <tr> <th></th> <th>FY 2013</th> <th>FY 2014</th> <th>FY 2015</th> </tr> </thead> <tbody> <tr> <td>Title: Common Display System (CDS)</td> <td align="center">-</td> <td align="center">-</td> <td align="center">2.621</td> </tr> <tr> <td align="right">Articles:</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> </tr> <tr> <td>FY 2013 Accomplishments: N/A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2014 Plans: N/A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY 2015 Plans: Continue support of CDS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG new construction, AEGIS Ashore, CVN, DDG 1000, CVN/Amphib SSDS and other ships. Award CDS TI-16 Common Console design and production contract and execute preliminary design review/critical design review for new design.</td> <td></td> <td></td> <td></td> </tr> <tr> <td align="right">Accomplishments/Planned Programs Subtotals</td> <td align="center">-</td> <td align="center">-</td> <td align="center">2.621</td> </tr> </tbody> </table> C. Other Program Funding Summary (\$ in Millions) N/A														FY 2013	FY 2014	FY 2015	Title: Common Display System (CDS)	-	-	2.621	Articles:	-	-	-	FY 2013 Accomplishments: N/A				FY 2014 Plans: N/A				FY 2015 Plans: Continue support of CDS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG new construction, AEGIS Ashore, CVN, DDG 1000, CVN/Amphib SSDS and other ships. Award CDS TI-16 Common Console design and production contract and execute preliminary design review/critical design review for new design.				Accomplishments/Planned Programs Subtotals	-	-	2.621
	FY 2013	FY 2014	FY 2015																																					
Title: Common Display System (CDS)	-	-	2.621																																					
Articles:	-	-	-																																					
FY 2013 Accomplishments: N/A																																								
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FY 2015 Plans: Continue support of CDS TI-12 on multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG new construction, AEGIS Ashore, CVN, DDG 1000, CVN/Amphib SSDS and other ships. Award CDS TI-16 Common Console design and production contract and execute preliminary design review/critical design review for new design.																																								
Accomplishments/Planned Programs Subtotals	-	-	2.621																																					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy		Date: March 2014
Appropriation/Budget Activity 1319 / 5	R-1 Program Element (Number/Name) PE 0604574N / Navy Tactical Computer Resources	Project (Number/Name) 3361 / Common Display System (CDS)
C. Other Program Funding Summary (\$ in Millions) Remarks D. Acquisition Strategy Contracts: CDS Indefinite Delivery Indefinite Quantity (IDIQ) Production continues FY13-FY16.		
E. Performance Metrics CDS TI-12 Production Readiness Review in first quarter FY15 CDS TI-16 Production Contract Award in first quarter FY15 CDS TI-16 Preliminary Design Review in second quarter FY15 CDS TI-16 Critical Design Review in fourth quarter FY15 CDS TI-16 Test Readiness Review in first quarter FY16 CDS TI-16 Production Readiness Review in third quarter FY16 CDS TI Next Intermediate Program Review No. 1 in third quarter FY17 CDS TI Next System Requirements Review in fourth quarter FY17 CDS TI Next Intermediate Program Review No. 2 in first quarter FY18 CDS TI Next Preliminary Design Review in third quarter FY18 CDS TI Next Critical Design Review in fourth quarter FY 18 CDS TI Next Intermediate Program Review No. 3 in second quarter FY19 CDS TI Next Test Readiness Review in third quarter FY19 CDS TI Next Production Readiness Review in fourth quarter FY19		

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Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy

Date: March 2014

Appropriation/Budget Activity
1319 / 5

R-1 Program Element (Number/Name)
PE 0604574N / Navy Tactical Computer
Resources

Project (Number/Name)
3361 / Common Display System (CDS)

