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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604574N: Navy Tactical Computer Resources
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COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	11.191	3.003	3.889	3.689	-	3.689	4.477	4.548	4.632	4.711	Continuing	Continuing
1353: Standard Hardware	11.191	3.003	3.889	3.689	-	3.689	4.477	4.548	4.632	4.711	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 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 are being executed to bring open architecture hardware and technology utilization into a common configuration in a competitive sourcing environment. 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 management of computing resources in support of the AEGIS Modernization program, the CVN 78 program and other SSDS MK 2 ships. CDS provides common human machine interface (Combat Information Center (CIC) consoles) to the AEGIS Open Architecture (OA) computing environment and provides war fighter team situational awareness in support of the AEGIS Modernization program. CDS also provides the same capabilities to DDG 1000, SSDS MK 2 ships (CVN, LHD, LHA, LSD). CPS provides technical replacements of obsolete processing equipment (such as AN/UYQ-70 and Mission Critical Enclosure (MCE)) supporting multiple platforms including AEGIS new construction Destroyers and Cruisers/Destroyers undergoing modernization, the CVN 78 program and other SSDS MK 2 ships.

B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	3.848	3.889	3.958	-	3.958
Current President's Budget	3.003	3.889	3.689	-	3.689
Total Adjustments	-0.845	0.000	-0.269	-	-0.269
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.750	0.000			
• SBIR/STTR Transfer	-0.095	0.000			
• Rate/Misc Adjustments	0.000	0.000	-0.269	-	-0.269

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0604574N: Navy Tactical Computer Resources				PROJECT 1353: Standard Hardware			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
1353: Standard Hardware	11.191	3.003	3.889	3.689	-	3.689	4.477	4.548	4.632	4.711	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 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 are being executed to bring open architecture hardware and technology utilization into a common configuration in a competitive sourcing environment. CPS provides the computer processing and memory, data storage and extraction, and I/O interface to support hosting Navy combat system software applications and management of computing resources in support of the AEGIS Modernization program, the CVN 78 program and other SSDS MK 2 ships. CDS provides common human machine interface (Combat Information Center (CIC)) consoles to the AEGIS Open Architecture (OA) computing environment and provides war fighter team situational awareness in support of the AEGIS Modernization program. CDS also provides the same capabilities to DDG 1000, SSDS MK 2 ships (CVN, LHD, LHA, LSD). CPS provides technical replacements of obsolete processing equipment (such as AN/UYQ-70 and Mission Critical Enclosure (MCE)) supporting multiple platforms including AEGIS new construction Destroyers and Cruisers/Destroyers undergoing modernization, the CVN 78 program and other SSDS MK 2 ships.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Systems Engineering									3.003	3.889	3.689	
									0	0	0	
FY 2012 Accomplishments:												
- Continued fielding and in-service support of CDS Baseline 1 in multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, DDG 1000, CVN/Amphib SSDS and other ships. Performed design and qualification of technology insertion of CDS Baseline 2 equipment including recompete of CDS contract.												
- Continued fielding and in-service support CPS baseline 1 equipment in multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, and CVN/Amphib SSDS installation and other ships. Continued development of technology insertion of CPS Baseline 2 equipment.												
FY 2013 Plans:												
- Continue in-service support of CDS Baseline 1 in multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, DDG 1000, CVN/Amphib SSDS and other ships. Begin technology insertion through production of CDS Baseline 2 equipment under new contract.												

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604574N: <i>Navy Tactical Computer Resources</i>	PROJECT 1353: <i>Standard Hardware</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
<p>- Continue fielding of CPS Baseline 1 to support multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, and CVN/Amphib SSDS installation and other ships. Complete development and qualification and begin production of technology insertion for CPS Baseline 2 equipment.</p> <p>FY 2014 Plans:</p> <p>- Continue in-service support of CDS Baseline 1 in multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, DDG 1000, CVN/Amphib SSDS and other ships. Begin technology insertion through production of CDS Baseline 2 equipment under new contract.</p> <p>- Continue fielding of CPS Baseline 1 to support multiple platforms including AEGIS Destroyers and Cruisers undergoing modernization, DDG restart, AEGIS Ashore, CVN CV-TSC, and CVN/Amphib SSDS installation and other ships. Complete development and qualification and begin production of technology insertion for CPS Baseline 2 equipment.</p>			
Accomplishments/Planned Programs Subtotals		3.003	3.889
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
<p>Contracts:</p> <p>CDS Indefinite Delivery Indefinite Quantity (IDIQ) Production continues FY12-FY16.</p> <p>CPS IDIQ Production continues FY12-FY16.</p>			
E. Performance Metrics			
CDS Performance Metrics			
<p>FY12 Funding:</p> <ul style="list-style-type: none"> - Conducted quarterly CDS Tech Refresh/Technical Insertion WG meetings with prime contractors and users to identify technology refresh priorities, user requirements, future technology trends, and obsolescence problems. - Conducted CDS Technical Interchangeable Meetings on an as-needed basis to explore and resolve emergent technical design issues. - Successfully completed CDS TREQ testing, as required. - Successfully completed required Tech Refresh research for CDS contract recompetes November 2012. <p>FY13 Funding:</p> <ul style="list-style-type: none"> - Successfully complete CDS Baseline 2 Preliminary Design Review (PDR). 			

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<ul style="list-style-type: none"> - Successfully complete CDS Baseline 2 Critical Design Review (CDR). - Successfully complete CDS Baseline 2 Test Readiness Review (TRR). - Conduct TIMs on an as-needed basis to explore and resolve emergent technical design issues. - Successfully complete CDS Baseline 2 Production Readiness Review (PRR). - Successfully complete CDS TR/TI SRR, as required. - Conduct quarterly CDS TR/TI WG Mtgs with prime contractors and users to identify technology refresh priorities, user requirements, future technology trends and obsolescence problems. <p>CPS Performance Metrics</p> <p>FY12 Funding:</p> <ul style="list-style-type: none"> - Successfully complete CPS TR/TI PDR, as required. - Conduct Quarterly CPS TR/TI WG meetings with prime contractors and customers to identify technology refresh priorities, customer requirements, future technology trends, and obsolescence problems. -Conduct CPS TIMs to explore and resolve emergent technical design issues. <p>FY13 Funding:</p> <ul style="list-style-type: none"> - Conduct quarterly CPS TR/TI WG Mtgs with prime contractors and users to identify technology refresh priorities, user requirements, future technology trends and obsolescence problems. - Technical Insertion and Milestones as required. 		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0604574N: Navy Tactical Computer Resources						PROJECT 1353: Standard Hardware			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering	WR	NSWC:PHD	0.180	0.000		0.039	Nov 2012	0.000		-		0.000	0.000	0.219	
Systems Engineering	WR	NSWC:Dahlgren	4.177	0.828	Jan 2012	0.847	Nov 2012	3.502	Oct 2013	-		3.502	Continuing	Continuing	Continuing
Systems Engineering	WR	NSWC:Crane	0.799	0.000		0.000		0.000		-		0.000	0.000	0.799	
Systems Engineering	C/CPFF	General Dynamics:Fairfax, VA	2.750	2.000	Jan 2012	1.585	Jan 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering	C/CPFF	DRS Technologies:Gaithersburg, MD	0.478	0.000		0.000		0.000		-		0.000	0.000	0.478	
Systems Engineering	C/CPIF	Global Technical Systems:Virginia Beach, VA	2.401	0.000		1.234	Jan 2013	0.000		-		0.000	Continuing	Continuing	Continuing
Systems Engineering	Various	Various:Various	0.097	0.000		0.000		0.000		-		0.000	0.000	0.097	
Subtotal			10.882	2.828		3.705		3.502		0.000		3.502			
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Services	Various	Various:Various	0.309	0.175	Feb 2012	0.184	Dec 2012	0.187	Oct 2013	-		0.187	0.100	0.955	
Subtotal			0.309	0.175		0.184		0.187		0.000		0.187	0.100	0.955	
Project Cost Totals			11.191	3.003		3.889		3.689		0.000		3.689			
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604574N: <i>Navy Tactical Computer Resources</i>	PROJECT 1353: <i>Standard Hardware</i>

Exhibit R-4, RDT&E Schedule Profile: 2013 Navy		DATE: August 2012	
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 05: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604574N: <i>Navy Tactical Computer Resources</i>	PROJECT 1353: <i>Standard Hardware</i>	
	FY 12	FY 13	FY 14
Acquisition Milestones			
CDS PDR		◆	
CDS CDR		◇	
CDS TRR		◇	
CDS PRR		◇	
CDS POR Designation Development	◆◆◆◆		
CPS POR Designation Development	◆◆◆◆		
Contracts			
CDS IDIQ Production	▲▲▲▲	▲▲▲▲	▲▲▲▲
CPS IDIQ Production	▲▲▲▲	▲▲▲▲	▲▲▲▲
Technical Insertion:			
CDS SRR	◆	◇	◇
CDS PDR	◆	◇	◇
CDS CDR	◆	◇	◇
CDS TRR	◆	◇	◇
CDS PRR	◆	◇	◇
CPS SRR	◆	◇	◇
CPS PDR	◆	◇	◇
CPS CDR	◆	◇	◇
CPS TRR	◆	◇	◇
CPS PRR	◆	◇	◇
Test & Evaluation			
CDS EQT			▲▲▲

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Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604574N: <i>Navy Tactical Computer Resources</i>	PROJECT 1353: <i>Standard Hardware</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Proj 1353				
Acquisition Milestones CDS PDR	1	2013	1	2013
Acquisition Milestones CDS CDR	2	2013	2	2013
Acquisition Milestones CDS TRR	3	2013	3	2013
Acquisition Milestones CDS PRR	4	2013	4	2013
Develop required documentation to support CDS POR designation	1	2012	4	2012
Develop required documentation to support CPS POR designation	1	2012	4	2012
CDS Indefinite Delivery/Indefinite Quantity (IDIQ) Production	1	2012	4	2018
CPS IDIQ Production	1	2012	4	2018
FY12 Technical Insertion CDS SRR, as required	3	2012	3	2012
FY13 Technical Insertion CDS SRR, as required	3	2013	3	2013
FY14 Technical Insertion CDS SRR, as required	3	2014	3	2014
FY15 Technical Insertion CDS SRR, as required	3	2015	3	2015
FY16 Technical Insertion CDS SRR, as required	4	2016	4	2016
FY17 Technical Insertion CDS SRR, as required	4	2017	4	2017
FY18 Technical Insertion CDS SRR, as required	4	2018	4	2018
FY12 Technical Insertion CDS PDR, as required	1	2012	1	2012
FY13 Technical Insertion CDS PDR, as required	1	2013	1	2013
FY14 Technical Insertion CDS PDR, as required	1	2014	1	2014
FY15 Technical Insertion CDS PDR, as required	1	2015	1	2015
FY16 Technical Insertion CDS PDR, as required	1	2016	1	2016
FY17 Technical Insertion CDS PDR, as required	1	2017	1	2017

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		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
FY18 Technical Insertion CDS PDR, as required		1	2018	1 2018
FY12 Technical Insertion CDS CDR, as required		2	2012	2 2012
FY13 Technical Insertion CDS CDR, as required		2	2013	2 2013
FY14 Technical Insertion CDS CDR, as required		2	2014	2 2014
FY15 Technical Insertion CDS CDR, as required		2	2015	2 2015
FY16 Technical Insertion CDS CDR, as required		2	2016	2 2016
FY17 Technical Insertion CDS CDR, as required		2	2017	2 2017
FY18 Technical Insertion CDS CDR, as required		2	2018	2 2018
FY12 Technical Insertion CDS TRR, as required		3	2012	3 2012
FY13 Technical Insertion CDS TRR, as required		3	2013	3 2013
FY14 Technical Insertion CDS TRR, as required		3	2014	3 2014
FY15 Technical Insertion CDS TRR, as required		3	2015	3 2015
FY16 Technical Insertion CDS TRR, as required		3	2016	3 2016
FY17 Technical Insertion CDS TRR, as required		3	2017	3 2017
FY18 Technical Insertion CDS TRR, as required		3	2018	3 2018
FY12 Technical Insertion CDS PRR, as required		4	2012	4 2012
FY13 Technical Insertion CDS PRR, as required		4	2013	4 2013
FY14 Technical Insertion CDS PRR, as required		4	2014	4 2014
FY15 Technical Insertion CDS PRR, as required		4	2015	4 2015
FY16 Technical Insertion CDS PRR, as required		4	2016	4 2016
FY17 Technical Insertion CDS PRR, as required		4	2017	4 2017
FY18 Technical Insertion CDS PRR, as required		4	2018	4 2018
FY12 Technical Insertion CPS SRR, as required		4	2012	4 2012
FY13 Technical Insertion CPS SRR, as required		4	2013	4 2013
FY14 Technical Insertion CPS SRR, as required		4	2014	4 2014

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		Start		End
Events by Sub Project		Quarter	Year	Quarter Year
FY15 Technical Insertion CPS SRR, as required		4	2015	4 2015
FY16 Technical Insertion CPS SRR, as required		4	2016	4 2016
FY17 Technical Insertion CPS SRR, as required		4	2017	4 2017
FY18 Technical Insertion CPS SRR, as required		4	2018	4 2018
FY12 Technical Insertion CPS PDR, as required		2	2012	2 2012
FY13 Technical Insertion CPS PDR, as required		2	2013	2 2013
FY14 Technical Insertion CPS PDR, as required		2	2014	2 2014
FY15 Technical Insertion CPS PDR, as required		2	2015	2 2015
FY16 Technical Insertion CPS PDR, as required		2	2016	2 2016
FY17 Technical Insertion CPS PDR, as required		2	2017	2 2017
FY18 Technical Insertion CPS PDR, as required		2	2018	2 2018
FY12 Technical Insertion CPS CDR, as required		3	2012	3 2012
FY13 Technical Insertion CPS CDR, as required		3	2013	3 2013
FY14 Technical Insertion CPS CDR, as required		3	2014	3 2014
FY15 Technical Insertion CPS CDR, as required		3	2015	3 2015
FY16 Technical Insertion CPS CDR, as required		3	2016	3 2016
FY17 Technical Insertion CPS CDR, as required		3	2017	3 2017
FY18 Technical Insertion CPS CDR, as required		3	2018	3 2018
FY12 Technical Insertion CPS TRR, as required		4	2012	4 2012
FY13 Technical Insertion CPS TRR, as required		4	2013	4 2013
FY14 Technical Insertion CPS TRR, as required		4	2014	4 2014
FY15 Technical Insertion CPS TRR, as required		4	2015	4 2015
FY16 Technical Insertion CPS TRR, as required		4	2016	4 2016
FY17 Technical Insertion CPS TRR, as required		4	2017	4 2017
FY18 Technical Insertion CPS TRR, as required		4	2018	4 2018

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		Start		End
Events by Sub Project		Quarter	Year	Quarter
FY12 Technical Insertion CPS PRR, as required		1	2012	1
FY13 Technical Insertion CPS PRR, as required		1	2013	1
FY14 Technical Insertion CPS PRR, as required		1	2014	1
FY15 Technical Insertion CPS PRR, as required		1	2015	1
FY16 Technical Insertion CPS PRR, as required		1	2016	1
FY17 Technical Insertion CPS PRR, as required		1	2017	1
FY18 Technical Insertion CPS PRR, as required		1	2018	1
CDS Environmental Qualification Testing (EQT)		1	2014	2