

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy** **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0603570N: <i>Advanced Nuclear Power Systems</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	258.803	366.509	463.683	-	463.683	515.256	540.456	515.944	460.043	Continuing	Continuing
0000: <i>UNDIST</i>	-	-	1.998	-	1.998	2.097	2.098	2.198	2.298	Continuing	Continuing
1258: <i>Nuclear Technology Development</i>	55.277	56.013	59.170	-	59.170	60.028	60.819	62.106	63.411	Continuing	Continuing
2692: <i>CVN 21 Propulsion Plant Development</i>	82.232	66.643	65.808	-	65.808	62.100	57.398	56.409	-	0.000	390.590
3219: <i>SBSD Nuclear Technology Development</i>	107.452	179.257	285.367	-	285.367	347.095	405.460	394.731	394.334	Continuing	Continuing
3221: <i>Training Platform Replacement</i>	13.842	64.596	51.340	-	51.340	43.936	14.681	0.500	-	0.000	188.895

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

The details of this program element are classified CONFIDENTIAL and are submitted annually to Congress in the classified budget justification books.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	258.808	366.509	459.244	-	459.244
Current President's Budget	258.803	366.509	463.683	-	463.683
Total Adjustments	-0.005	-	4.439	-	4.439
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	4.980	-	4.980
• Rate/Misc Adjustments	-	-	-0.541	-	-0.541
• Congressional General Reductions Adjustments	-0.005	-	-	-	-

**Change Summary Explanation**

Technical: Not applicable.

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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Navy **DATE:** February 2011

**APPROPRIATION/BUDGET ACTIVITY**  
1319: *Research, Development, Test & Evaluation, Navy*  
BA 4: *Advanced Component Development & Prototypes (ACD&P)*

**R-1 ITEM NOMENCLATURE**  
PE 0603570N: *Advanced Nuclear Power Systems*

Schedule: Not applicable.

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>	<b>PROJECT</b> 0000: <i>UNDIST</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
0000: <i>UNDIST</i>	-	-	1.998	-	1.998	2.097	2.098	2.198	2.298	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

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

	FY 2010	FY 2011	FY 2012
<b>Title:</b> ANPS	-	-	1.998
<b>Articles:</b>			0
<b>FY 2012 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	-	-	1.998

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 1258: <i>Nuclear Technology Development</i>				
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
1258: <i>Nuclear Technology Development</i>	55.277	56.013	59.170	-	59.170	60.028	60.819	62.106	63.411	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

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

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> Nuclear Technology Development	55.277	56.013	59.170
<b>Articles:</b>	0	0	0
<b>FY 2010 Accomplishments:</b> N/A			
<b>FY 2011 Plans:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	55.277	56.013	59.170

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 2692: <i>CVN 21 Propulsion Plant Development</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
2692: <i>CVN 21 Propulsion Plant Development</i>	82.232	66.643	65.808	-	65.808	62.100	57.398	56.409	-	0.000	390.590
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

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

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> CVN 21 Propulsion Plant Development	82.232	66.643	65.808
<b>Articles:</b>	0	0	0
<b>Description:</b> N/A			
<b>FY 2010 Accomplishments:</b> N/A			
<b>FY 2011 Plans:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	82.232	66.643	65.808

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>				<b>PROJECT</b> 3219: <i>SBSD Nuclear Technology Development</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
3219: <i>SBSD Nuclear Technology Development</i>	107.452	179.257	285.367	-	285.367	347.095	405.460	394.731	394.334	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

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

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> SBSD Nuclear Technology Development	107.452	179.257	285.367
<b>Articles:</b>	0	0	0
<b>Description:</b> N/A			
<b>FY 2010 Accomplishments:</b> N/A			
<b>FY 2011 Plans:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>	107.452	179.257	285.367

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603570N: <i>Advanced Nuclear Power Systems</i>	<b>PROJECT</b> 3221: <i>Training Platform Replacement</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3221: <i>Training Platform Replacement</i>	13.842	64.596	51.340	-	51.340	43.936	14.681	0.500	-	0.000	188.895
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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

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

	FY 2010	FY 2011	FY 2012
<b>Title:</b> Training Platform Replacement	13.842	64.596	51.340
<b>Articles:</b>	0	0	0
<b>Description:</b> N/A			
<b>FY 2010 Accomplishments:</b> N/A			
<b>FY 2011 Plans:</b> N/A			
<b>FY 2012 Plans:</b> N/A			
<b>Accomplishments/Planned Programs Subtotals</b>			51.340

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

N/A

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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