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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</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
Total Program Element	414.266	-	0.010	-	0.010	0.015	0.012	0.013	0.012	Continuing	Continuing
0000: <i>UNDIST</i>	20.532	-	-	-	-	-	-	-	-	0.000	20.532
1812: <i>NAVAIR SBIR Program</i>	122.028	-	-	-	-	-	-	-	-	0.000	122.028
1813: <i>SPAWAR SBIR Program</i>	39.305	-	-	-	-	-	-	-	-	0.000	39.305
1814: <i>NAVSEA SBIR Program</i>	89.550	-	-	-	-	-	-	-	-	0.000	89.550
1824: <i>CMC SBIR Program</i>	18.166	-	-	-	-	-	-	-	-	0.000	18.166
1862: <i>SSPO SBIR Program</i>	1.050	-	-	-	-	-	-	-	-	0.000	1.050
1863: <i>NAVSUP SBIR Program</i>	0.800	-	-	-	-	-	-	-	-	0.000	0.800
1864: <i>CNR SBIR Program</i>	45.123	-	-	-	-	-	-	-	-	0.000	45.123
1865: <i>SBIR Administration</i>	4.686	-	-	-	-	-	-	-	-	0.000	4.686
2016: <i>NAVFAC SBIR Program</i>	0.800	-	-	-	-	0.005	0.002	0.003	0.002	Continuing	Continuing
2204: <i>Small Business Tech Transfer Program</i>	23.092	-	-	-	-	-	-	-	-	0.000	23.092
2240: <i>Navy Dual Use Technology Program</i>	1.122	-	-	-	-	-	-	-	-	0.000	1.122
2241: <i>SBIR ADMIN - SPAWAR</i>	2.426	-	-	-	-	-	-	-	-	0.000	2.426
2242: <i>SBIR ADMIN - NAVSEA</i>	7.264	-	0.010	-	0.010	0.010	0.010	0.010	0.010	Continuing	Continuing
2243: <i>SBIR ADMIN - NAVAIR</i>	8.164	-	-	-	-	-	-	-	-	0.000	8.164
2244: <i>SBIR ADMIN - NAVFAC</i>	0.050	-	-	-	-	-	-	-	-	0.000	0.050
2245: <i>SBIR ADMIN - NAVSUP</i>	0.050	-	-	-	-	-	-	-	-	0.000	0.050
2248: <i>SBIR ADMIN - SSPO</i>	0.066	-	-	-	-	-	-	-	-	0.000	0.066
2813: <i>SBIR - NSMA</i>	5.618	-	-	-	-	-	-	-	-	0.000	5.618
2814: <i>SBIR ADMIN - NSMA</i>	0.368	-	-	-	-	-	-	-	-	0.000	0.368
3201: <i>SBIR CPP - NAVAIR</i>	1.334	-	-	-	-	-	-	-	-	0.000	1.334
3202: <i>SBIR CPP - SPAWAR</i>	0.397	-	-	-	-	-	-	-	-	0.000	0.397
3203: <i>SBIR CPP - NAVSEA</i>	0.903	-	-	-	-	-	-	-	-	0.000	0.903

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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>				PE 0605502N: <i>Small Business Innovative Research</i>							
3204: <i>SBIR CPP - MARINE CORPS</i>	0.183	-	-	-	-	-	-	-	-	0.000	0.183
3205: <i>SBIR CPP - ONR</i>	0.638	-	-	-	-	-	-	-	-	0.000	0.638
3213: <i>NAVAIR STTR Program</i>	16.363	-	-	-	-	-	-	-	-	0.000	16.363
3231: <i>SBIR Counterdrug</i>	0.595	-	-	-	-	-	-	-	-	0.000	0.595
3233: <i>SPAWAR STTR Program</i>	2.000	-	-	-	-	-	-	-	-	0.000	2.000
9999: <i>Congressional Adds</i>	1.593	-	-	-	-	-	-	-	-	0.000	1.593

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	1.593	-	-	-	-
Current President's Budget	414.266	-	0.010	-	0.010
Total Adjustments	412.673	-	0.010	-	0.010
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	412.673	-			
• Program Adjustments	-	-	0.010	-	0.010

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 9999: *Congressional Adds*

Congressional Add: *Wave Energy Harvesting for Buoy Applications*

Congressional Add Subtotals for Project: 9999

	FY 2010	FY 2011
	1.593	-
	1.593	-

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>
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Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2010		FY 2011
Congressional Add Totals for all Projects		1.593		-

Change Summary Explanation

Technical: Not applicable.

Schedule: Not applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 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>	20.532	-	-	-	-	-	-	-	-	0.000	20.532
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: UNDIST	20.532	-	-
Articles:	0		
FY 2010 Accomplishments: Phase I Feasibility The purpose of Phase I is to determine the scientific and technical merit and feasibility of the proposed effort and quality of performance by the SBC. ONR had 41 topics and made 141 Phase I awards in FY 2010. Phase II Technology Development Phase II awards are based on the SBC's Phase I results and potential of the Phase II proposal to address the Navy's needs. These awards further develop the technology, maturing the TRL and providing prototypes or other sources validating the technology. ONR made 37 Phase II awards in FY 2010.			
Accomplishments/Planned Programs Subtotals	20.532	-	-

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

N/A

D. Acquisition Strategy

Not Applicable.

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

ONR awarded 141 Phase I, 37 Phase II's and 7 Phase III awards in FY 2010. The Phase III awards are contracts awarded by ONR during FY 2010 using non-SBIR funding for work that continues or procures the Phase I and II efforts. ONR also reduced the time firms are without funds between Phase I to II from 8.5 months in 2009 to 6.6 months in 2010 and averaged 3.9 months from the time of solicitation closing to Phase I award also down from 2009.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1812: <i>NAVAIR SBIR Program</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
1812: <i>NAVAIR SBIR Program</i>	122.028	-	-	-	-	-	-	-	-	0.000	122.028
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Naval Air Systems Command (NAVAIR) Small Business Innovation Research (SBIR) Program funds over one hundred million dollars annually in mission oriented research and development projects at small technology companies. The purpose of the program is to stimulate the development of new technologies to improve United States military and economic capabilities. The program is mandated by public laws (PL) 97-219, PL 99-443, PL 102-564, PL 106-554, PL 107-50, and PL 111-10 and is codified in 15 USC 638. The NAVAIR SBIR Program competitively funds scientific and technical innovation to specifically address the needs of NAVAIR acquisition programs.

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

	FY 2010	FY 2011	FY 2012
<p>Title: Phase I Feasibility</p> <p style="text-align: right;">Articles:</p> <p>FY 2010 Accomplishments: The purpose of Phase I is to determine the scientific technical and commercial merit, and feasibility of ideas submitted under the SBIR Program.</p>	24.406 0	-	-
<p>Title: Phase II Technology Development</p> <p style="text-align: right;">Articles:</p> <p>FY 2010 Accomplishments: Phase II awards are made to firms that have been awarded a Phase I contract on the basis of the results of their Phase I effort and the scientific, technical, and commercial merit of the Phase II proposal. Phase II is the principal research or research and development effort and is expected to produce a well-defined deliverable prototype.</p>	97.622 0	-	-
Accomplishments/Planned Programs Subtotals	122.028	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1812: <i>NAVAIR SBIR Program</i>

E. Performance Metrics

SBIR will advertise 90 topics during FY10 through three Department of Defense solicitations with approximately 265 new Phase I contracts. In addition we plan on awarding approximately 135 new Phase II contracts during FY10.

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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
1813: <i>SPAWAR SBIR Program</i>	39.305	-	-	-	-	-	-	-	-	0.000	39.305
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires that each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and 0.3% under the Small Business Technology Transfer (STTR) program. The SPAWAR SBIR program funds research that addresses the needs and mission of our command and has the potential to transition into follow-on RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR	39.305	-	-
Articles:	0		
FY 2010 Accomplishments: Phase I Feasibility The purpose of Phase I is to determine the scientific and technical merit and feasibility of the proposed effort and quality of performance by the SBC. SPAWAR made 46 Phase I awards and 10 Phase I Option awards in FY 2010 valued at \$3,512,903. Phase II Technology Development Phase II awards are based on the SBC's Phase I results and potential of the Phase II proposal to address the Navy's needs. These awards further develop the technology, maturing the TRL and providing prototypes or other sources validating the technology. SPAWAR made 34 Phase II awards, 22 Phase II Option awards, 22 Incremental Phase II awards, and eight Phase II.5 awards in FY 2010 valued at \$33,484,557.			
Accomplishments/Planned Programs Subtotals	39.305	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

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E. Performance Metrics

SPAWAR awarded 46 Phase I, 34 Phase II awards, 22 Phase II Option awards, 22 Incremental Phase II awards, eight Phase II.5 awards, and 12 Phase III awards in FY 2010. The Phase III awards, valued at \$15,935,625, are contracts awarded by SPAWAR during FY 2010 using non-SBIR funding for work that continues or procures the Phase I and II efforts. It is the strongest metric that shows the work funded under the SBIR program address a specific need by SPAWAR, but it does not measure the number of follow on funding provided by our primes and the private sector to advance and procure the technology.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1814: <i>NAVSEA SBIR Program</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
1814: <i>NAVSEA SBIR Program</i>	89.550	-	-	-	-	-	-	-	-	0.000	89.550
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. The program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR	89.550	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	89.550	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1824: <i>CMC SBIR Program</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
1824: <i>CMC SBIR Program</i>	18.166	-	-	-	-	-	-	-	-	0.000	18.166
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. The program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR			
Articles:	18.166 0	-	-
FY 2010 Accomplishments: Support the Navy/Marine Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	18.166	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1862: <i>SSPO SBIR Program</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
1862: <i>SSPO SBIR Program</i>	1.050	-	-	-	-	-	-	-	-	0.000	1.050
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR			
Articles:	1.050 0	-	-
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	1.050	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 1863: <i>NAVSUP SBIR Program</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
1863: <i>NAVSUP SBIR Program</i>	0.800	-	-	-	-	-	-	-	-	0.000	0.800
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. The program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR			
Articles:	0.800 0	-	-
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	0.800	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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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
1864: <i>CNR SBIR Program</i>	45.123	-	-	-	-	-	-	-	-	0.000	45.123
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: CNR SBIR Program	45.123	-	-
Articles:	0		
FY 2010 Accomplishments: Phase I Feasibility The purpose of Phase I is to determine the scientific and technical merit and feasibility of the proposed effort and quality of performance by the SBC. ONR had 41 topics and made 141 Phase I awards in FY 2010. Phase II Technology Development Phase II awards are based on the SBC's Phase I results and potential of the Phase II proposal to address the Navy's needs. These awards further develop the technology, maturing the TRL and providing prototypes or other sources validating the technology. ONR made 37 Phase II awards in FY 2010.			
Accomplishments/Planned Programs Subtotals	45.123	-	-

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

N/A

D. Acquisition Strategy

Not Applicable.

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E. Performance Metrics

ONR awarded 141 Phase I, 37 Phase II's and 7 Phase III awards in FY 2010. The Phase III awards are contracts awarded by ONR during FY 2010 using non-SBIR funding for work that continues or procures the Phase I and II efforts. ONR also reduced the time firms are without funds between Phase I to II from 8.5 months in 2009 to 6.6 months in 2010 and averaged 3.9 months from the time of solicitation closing to Phase I award also down from 2009.

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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
1865: <i>SBIR Administration</i>	4.686	-	-	-	-	-	-	-	-	0.000	4.686
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Administration			
Articles:	4.686 0	-	-
FY 2010 Accomplishments: ONR awarded 141 Phase I, 37 Phase II's and 7 Phase III awards in FY 2010, while reducing the time for Phase I awards and between Phase II. A lot of effort was spent on increasing the involvement by the FNC managers and increasing the energy related topics as directed by SECNAV.			
Accomplishments/Planned Programs Subtotals	4.686	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

The entire ONR SBIR budget as mandated by law was obligated. This continues to be a challenge effort as the funds are released later in the Fiscal Year and the number of contract actions continues to increase. ONR continues to develop more efficient process while dealing with the challenges of not knowing when the next years funding will be released.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2016: <i>NAVFAC SBIR Program</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
2016: <i>NAVFAC SBIR Program</i>	0.800	-	-	-	-	0.005	0.002	0.003	0.002	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR program enables NAVFAC to competitively solicit industry to perform technology problem solving on new engineering capabilities that are required to overcome specific performance limitations of Naval shore facilities while reducing the cost of sustaining the Naval shore infrastructure. The program focuses available SBIR resources on satisfying facility requirements where the Navy is a major stakeholder or where there are no test validated Commercial Off The Shelf (COTS) solutions available, and a timely solution will not emerge without a Navy sponsored demonstration and validation.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR			
Articles:	0.800 0	-	-
FY 2010 Accomplishments: Continued development and transition of the all-weather intruder Ultra-Wide Band (UWB) radar detection and discrimination system for protecting entry across Naval shorefront environment. Continued development of the Robotic Paint Sprayer and Cleaner for tall antenna tower frameworks.			
Initiated three Phase I Advanced Shore Based Mooring feasibility studies for automatic ship handling along piers and wharfs. Initiated five Phase I feasibility studies of Energy Storage Systems for renewable sources by investigating the feasibility of improving lithium ion batteries and developing chemical fuel cells to store varied energy sources for later use.			
Accomplishments/Planned Programs Subtotals	0.800	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Quarterly program reviews to include funds status, schedule review, assessment of plan to actual and review of accomplishments and issues to date. Final Quarterly Review presentations are posted to the NAVFAC Portal, Capital Improvements, CTO.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>				R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>				PROJECT 2204: <i>Small Business Tech Transfer Program</i>			
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
2204: <i>Small Business Tech Transfer Program</i>	23.092	-	-	-	-	-	-	-	-	0.000	23.092
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: Small Business Tech Transfer Program	23.092	-	-
Articles:	0		
FY 2010 Accomplishments: Phase I Feasibility The purpose of Phase I is to determine the scientific and technical merit and feasibility of the proposed effort and quality of performance by the SBC. Navy had 46 topics and made 149 Phase I awards in FY 2010. Phase II Technology Development Phase II awards are based on the SBC's Phase I results and potential of the Phase II proposal to address the Navy's needs. These awards further develop the technology, maturing the TRL and providing prototypes or other sources validating the technology. Navy made 44 Phase II awards in FY 2010.			
Accomplishments/Planned Programs Subtotals	23.092	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2204: <i>Small Business Tech Transfer Program</i>

E. Performance Metrics

ONR awarded 149 Phase I and 44 Phase II's in FY 2010. Time firms are without funds between Phase I to II from 5.3 months in 2009 to 3.2 months in 2010 the best across the SBIR and STTR programs in the Navy and key metric for the small businesses under the program.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2240: <i>Navy Dual Use Technology Program</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
2240: <i>Navy Dual Use Technology Program</i>	1.122	-	-	-	-	-	-	-	-	0.000	1.122
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Supports the Navy Dual Use Technology Program.

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

	FY 2010	FY 2011	FY 2012
Title: Navy Dual Use Program	1.122	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the Navy Dual Use Technology Program.			
Accomplishments/Planned Programs Subtotals	1.122	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2241: <i>SBIR ADMIN - SPAWAR</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
2241: <i>SBIR ADMIN - SPAWAR</i>	2.426	-	-	-	-	-	-	-	-	0.000	2.426
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	2.426	-	-
Articles:	0		
Description: Administrative support of the Navy Small Business Program.			
FY 2010 Accomplishments: SPAWAR awarded 46 Phase I, 34 Phase II awards, 22 Phase II Option awards, 22 Incremental Phase II awards, eight Phase II.5 awards, and 12 Phase III awards in FY 2010.			
Accomplishments/Planned Programs Subtotals	2.426	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

99.9% of the SPAWAR SBIR budget as mandated by law was obligated. This continues to be a challenging effort as the funds are released later in the Fiscal Year and the number of contract actions continues to increase. SPAWAR continues to develop more efficient processes while increasing the rate and percent of transition to Phase III.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2242: <i>SBIR ADMIN - NAVSEA</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
2242: <i>SBIR ADMIN - NAVSEA</i>	7.264	-	0.010	-	0.010	0.010	0.010	0.010	0.010	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	7.264	-	0.010
Articles:	0		0
FY 2010 Accomplishments: Administrative support of the SBIR Program.			
FY 2012 Plans: N/A			
Accomplishments/Planned Programs Subtotals	7.264	-	0.010

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2243: <i>SBIR ADMIN - NAVAIR</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
2243: <i>SBIR ADMIN - NAVAIR</i>	8.164	-	-	-	-	-	-	-	-	0.000	8.164
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Naval Air Systems Command (NAVAIR) Small Business Innovation Research (SBIR) Program funds over one hundred million dollars annually in mission oriented research and development projects at small technology companies. The purpose of the program is to stimulate the development of new technologies to improve United States military and economic capabilities. The program is mandated by public laws (PL) 97-219, PL 99-443, PL 102-564, PL 106-554, PL 107-50, and PL 111-10 and is codified in 15 USC 638. The NAVAIR SBIR Program competitively funds scientific and technical innovation to specifically address the needs of NAVAIR acquisition programs. This project provides administrative support to the program.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	8.164	-	-
Articles:	0		
FY 2010 Accomplishments: Administrative support of the SBIR program.			
Accomplishments/Planned Programs Subtotals	8.164	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2244: <i>SBIR ADMIN - NAVFAC</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
2244: <i>SBIR ADMIN - NAVFAC</i>	0.050	-	-	-	-	-	-	-	-	0.000	0.050
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

This Program funds Navy in-house administrative support of the Navy Small Business Programs. Initiate feasibility Phase I studies for new Energy Program Initiatives. Provide contractor technical, engineering and management support for program planning, analysis and execution.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	0.050	-	-
Articles:	0		
FY 2010 Accomplishments: Administrative support provided; monitored three SBIR Phase I Advanced Shore Based Mooring feasibility studies. Monitored five SBIR Phase I Energy Storage Systems for renewable sources and provided contractor technical, engineering and management support for program planning, analysis and execution.			
Accomplishments/Planned Programs Subtotals	0.050	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Efforts within this effort are measured at two levels. Internally, each is measured against technical and financial milestones on a monthly basis. Quarterly, each project is reviewed by the higher Echelon in depth for both technical and transition performance potential.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2245: <i>SBIR ADMIN - NAVSUP</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
2245: <i>SBIR ADMIN - NAVSUP</i>	0.050	-	-	-	-	-	-	-	-	0.000	0.050
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	0.050	-	-
Articles:	0		
FY 2010 Accomplishments: Administrative support of the Navy Small Business Program.			
Accomplishments/Planned Programs Subtotals	0.050	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2248: <i>SBIR ADMIN - SSPO</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
2248: <i>SBIR ADMIN - SSPO</i>	0.066	-	-	-	-	-	-	-	-	0.000	0.066
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	0.066	-	-
Articles:	0		
FY 2010 Accomplishments: Administrative support of the Navy Small Business Program.			
Accomplishments/Planned Programs Subtotals	0.066	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2813: <i>SBIR - NSMA</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
2813: <i>SBIR - NSMA</i>	5.618	-	-	-	-	-	-	-	-	0.000	5.618
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. The program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR	5.618	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	5.618	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 2814: <i>SBIR ADMIN - NSMA</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
2814: <i>SBIR ADMIN - NSMA</i>	0.368	-	-	-	-	-	-	-	-	0.000	0.368
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The SBIR legislation prohibits any of the SBIR or STTR funds from being used to manage or administer the program. Additional funds are pulled to manage the program, technical efforts and award contracts related to SBIR.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Admin Support	0.368	-	-
Articles:	0		
FY 2010 Accomplishments: Administrative support for the Navy Small Business Innovative Research Program.			
Accomplishments/Planned Programs Subtotals	0.368	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3201: <i>SBIR CPP - NAVAIR</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
3201: <i>SBIR CPP - NAVAIR</i>	1.334	-	-	-	-	-	-	-	-	0.000	1.334
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Section 252 of the 2006 NDAA Public Law No. 109-163 allowed up to 1% of the SBIR be used to fund the administrative costs of the Commercialization Pilot Program (CPP).

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

	FY 2010	FY 2011	FY 2012
Title: SBIR CPP	1.334	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program's Commercialization Pilot Program.			
Accomplishments/Planned Programs Subtotals	1.334	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3202: <i>SBIR CPP - SPAWAR</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
3202: <i>SBIR CPP - SPAWAR</i>	0.397	-	-	-	-	-	-	-	-	0.000	0.397
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Section 252 of the 2006 NDAA Public Law No. 109-163 allowed up to 1% of the SBIR be used to fund the administrative costs of the Commercialization Pilot Program (CPP).

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

	FY 2010	FY 2011	FY 2012
Title: SBIR CPP	0.397	-	-
Articles:	0		
FY 2010 Accomplishments: SPAWAR continues to manage a successful CPP effort which has led to many accelerated Phase II.5 projects that address clearly identified transition sponsor needs. In FY 2010, eight Ph II.5 contracts were awarded at SPAWAR valued at \$2,825,616.			
Accomplishments/Planned Programs Subtotals	0.397	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

SPAWAR CPP initiatives continue to benefit our command and these funds have been used to help support the PEO and PM in support of SBIR projects that directly address their needs.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3203: <i>SBIR CPP - NAVSEA</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
3203: <i>SBIR CPP - NAVSEA</i>	0.903	-	-	-	-	-	-	-	-	0.000	0.903
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Section 252 of the 2006 NDAA Public Law No. 109-163 allowed up to 1% of the SBIR be used to fund the administrative costs of the Commercialization Pilot Program (CPP).

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

	FY 2010	FY 2011	FY 2012
Title: SBIR CPP	0.903	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program's Commercialization Pilot Program.			
Accomplishments/Planned Programs Subtotals	0.903	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

UNCLASSIFIED

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3204: <i>SBIR CPP - MARINE CORPS</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
3204: <i>SBIR CPP - MARINE CORPS</i>	0.183	-	-	-	-	-	-	-	-	0.000	0.183
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Section 252 of the 2006 NDAA Public Law No. 109-163 allowed up to 1% of the SBIR be used to fund the administrative costs of the Commercialization Pilot Program (CPP).

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

	FY 2010	FY 2011	FY 2012
Title: SBIR CPP			
Articles:	0.183 0	-	-
FY 2010 Accomplishments: Supports the Navy Small Business Innovative Research Program's Commercialization Pilot Program.			
Accomplishments/Planned Programs Subtotals	0.183	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3205: <i>SBIR CPP - ONR</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
3205: <i>SBIR CPP - ONR</i>	0.638	-	-	-	-	-	-	-	-	0.000	0.638
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Section 252 of the 2006 NDAA Public Law No. 109-163 allowed up to 1% of the SBIR be used to fund the administrative costs of the Commercialization Pilot Program (CPP).

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

	FY 2010	FY 2011	FY 2012
Title: SBIR CPP - ONR	0.638	-	-
Articles:	0		
FY 2010 Accomplishments: ONR continues to manage a successful CPP effort which has led to many accelerated Phase II.5 projects that addresses clearly identified transition sponsor needs.			
Accomplishments/Planned Programs Subtotals	0.638	-	-

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

N/A

D. Acquisition Strategy

Not Applicable.

E. Performance Metrics

ONR CPP initiatives continue to benefit our command and these funds have been used to help support the PEO and PM in support of SBIR projects that directly address their needs.

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

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE				PROJECT				
1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>			PE 0605502N: <i>Small Business Innovative Research</i>				3213: <i>NAVAIR STTR Program</i>				
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
3213: <i>NAVAIR STTR Program</i>	16.363	-	-	-	-	-	-	-	-	0.000	16.363
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. The program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

Articles:	FY 2010	FY 2011	FY 2012
Title: Small Business Tech Transfer Program	16.363	-	-
FY 2010 Accomplishments: Supports the Navy Small Business Tech Transfer Program.	0		
Accomplishments/Planned Programs Subtotals			
	16.363	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

E. Performance Metrics

Not applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3231: <i>SBIR Counterdrug</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
3231: <i>SBIR Counterdrug</i>	0.595	-	-	-	-	-	-	-	-	0.000	0.595
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires the each Federal agency that has an extramural budget for R/R&D in excess of \$100,000,000 must participate, shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and .3% under the Small Business Technology Transfer (STTR) program. ONR program funds research which address the needs and mission of our command and has the potential to transition into follow on FNC, RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: SBIR Counterdrug	0.595	-	-
Articles:	0		
FY 2010 Accomplishments: Supports the SBIR Counterdrug Program.			
Accomplishments/Planned Programs Subtotals	0.595	-	-

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

N/A

D. Acquisition Strategy

Not Applicable.

E. Performance Metrics

Not Applicable.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3233: <i>SPAWAR STTR Program</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
3233: SPAWAR STTR Program	2.000	-	-	-	-	-	-	-	-	0.000	2.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Small Business Research and Development Enhancement Act of 1992 as amended (15 U.S.C. 638) requires that each Federal agency that has an extramural budget for Research & Development in excess of \$100,000,000 shall expend with small business concerns (SBC) not less than 2.5% for specific small business research initiatives awarded through a Small Business Innovation Research (SBIR) solicitation and 0.3% under the Small Business Technology Transfer (STTR) program. The SPAWAR SBIR program funds research that addresses the needs and mission of our command and has the potential to transition into follow-on RDT&E and procurement activities.

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

	FY 2010	FY 2011	FY 2012
Title: Small Business Tech Transfer Program	2.000	-	-
Articles:	0		
FY 2010 Accomplishments: Phase I Feasibility Phase I awards were done to determine the scientific and technical merit and feasibility of proposed efforts and the quality of performance by small business concerns (SBC). 46 Phase I awards and 10 Phase I Option awards were done in FY 2010 valued at \$3,512,903. Phase II Technology Development Phase II awards were based on the SBC's Phase I results and potential of the Phase II proposal to address the Navy's needs. These awards further develop the technology, maturing the TRL and providing prototypes or other sources validating technology. 34 Phase II awards, 22 Phase II Option awards, 22 Incremental Phase II awards, and 8 Phase II.5 awards were done in FY 2010 valued at \$33,484,557.			
Accomplishments/Planned Programs Subtotals	2.000	-	-

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

N/A

D. Acquisition Strategy

Not applicable.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 3233: <i>SPAWAR STTR Program</i>

E. Performance Metrics

The Space and Naval Warfare Systems Command (SPAWAR) awarded 46 Phase I awards, 34 Phase II awards, 22 Phase II Option awards, 22 Incremental Phase II awards, eight Phase II.5 awards, and 12 Phase III awards in FY 2010. The Phase III awards, valued at \$15,935,625, were contracts awarded using non-SBIR funding for work that continued or procured the Phase I and II efforts. This metric shows the work funded under the SBIR program that addresses a specific need by SPAWAR.

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

APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test & Evaluation, Navy</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605502N: <i>Small Business Innovative Research</i>	PROJECT 9999: <i>Congressional Adds</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
9999: <i>Congressional Adds</i>	1.593	-	-	-	-	-	-	-	-	0.000	1.593
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Congressional Interest Items not included in other Projects.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2010	FY 2011
Congressional Add: Wave Energy Harvesting for Buoy Applications	1.593	-
FY 2010 Accomplishments: This effort supported the development of an ocean buoy that derives its power by converting energy from the surface wave field.		
Congressional Adds Subtotals	1.593	-

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

N/A

D. Acquisition Strategy

Not Applicable.

E. Performance Metrics

Not Applicable.