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Department of Defense
FY 2019 President's Budget
Exhibit R-1 FY 2019 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO
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Research, Development, Test & Eval, Navy	17,851,955	17,116,976	17,091,976	326,537	326,537
Total Research, Development, Test & Evaluation	17,851,955	17,116,976	17,091,976	326,537	326,537
Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title					
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National Defense Sealift Fund	7,237	18,622	18,622		
Total Not in Research, Development, Test & Evaluation	7,237	18,622	18,622		

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	FY 2018 Emergency Requests**	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
Appropriation						

Research, Development, Test & Eval, Navy	60,000	-60,000		17,478,513	-60,000	17,418,513
Total Research, Development, Test & Evaluation	60,000	-60,000		17,478,513	-60,000	17,418,513
Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title						

National Defense Sealift Fund				18,622		18,622
Total Not in Research, Development, Test & Evaluation				18,622		18,622

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Total Obligational Authority
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Appropriation -----	FY 2019 Base	FY 2019 OCO	FY 2019 Total
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Research, Development, Test & Eval, Navy	18,451,066	198,412	18,649,478
Total Research, Development, Test & Evaluation	18,451,066	198,412	18,649,478
Other RDT&E Budget Activities Not Included in the Research, Development, Test and Evaluation Title -----			
National Defense Sealift Fund			
Total Not in Research, Development, Test & Evaluation			

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Total Obligational Authority
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	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO
Summary Recap of Budget Activities					

Basic Research	549,384	595,901	595,901		
Applied Research	954,884	886,079	886,079		
Advanced Technology Development	811,211	686,342	686,342		
Advanced Component Development & Prototypes	4,510,800	4,218,714	4,193,714	27,710	59,510
System Development & Demonstration	5,928,185	6,362,102	6,362,102		5,400
Management Support	1,279,290	945,757	945,757		
Operational Systems Development	3,818,201	3,980,140	3,980,140	102,655	102,655
Undistributed		-558,059	-558,059	196,172	158,972
Total Research, Development, Test & Evaluation	17,851,955	17,116,976	17,091,976	326,537	326,537
Summary Recap of FYDP Programs					

Strategic Forces	187,327	201,735	201,735		
General Purpose Forces	1,407,847	1,675,797	1,675,797	12,800	12,800
Intelligence and Communications	927,792	751,779	751,779		
Research and Development	13,686,598	13,589,349	13,564,349	27,710	64,910
Central Supply and Maintenance	40,169	43,035	43,035		
Administration and Associated Activities	136	-556,310	-556,310	196,172	158,972
Space		47,244	47,244		
Classified Programs	1,602,086	1,364,347	1,364,347	89,855	89,855
Total Research, Development, Test & Evaluation	17,851,955	17,116,976	17,091,976	326,537	326,537

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	FY 2018 Emergency Requests** Emergency	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
Summary Recap of Budget Activities						

Basic Research				595,901		595,901
Applied Research				886,079		886,079
Advanced Technology Development				686,342		686,342
Advanced Component Development & Prototypes				4,253,224		4,253,224
System Development & Demonstration				6,367,502		6,367,502
Management Support				945,757		945,757
Operational Systems Development	60,000	-60,000		4,142,795	-60,000	4,082,795
Undistributed				-399,087		-399,087
Total Research, Development, Test & Evaluation	60,000	-60,000		17,478,513	-60,000	17,418,513
Summary Recap of FYDP Programs						

Strategic Forces				201,735		201,735
General Purpose Forces				1,688,597		1,688,597
Intelligence and Communications				751,779		751,779
Research and Development				13,629,259		13,629,259
Central Supply and Maintenance				43,035		43,035
Administration and Associated Activities				-397,338		-397,338
Space				47,244		47,244
Classified Programs	60,000	-60,000		1,514,202	-60,000	1,454,202
Total Research, Development, Test & Evaluation	60,000	-60,000		17,478,513	-60,000	17,418,513

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Total Obligational Authority
(Dollars in Thousands)

Summary Recap of Budget Activities -----	FY 2019 Base	FY 2019 OCO	FY 2019 Total
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Basic Research	597,378		597,378
Applied Research	891,471		891,471
Advanced Technology Development	750,995		750,995
Advanced Component Development & Prototypes	4,293,713	33,300	4,327,013
System Development & Demonstration	6,042,480	1,100	6,043,580
Management Support	1,020,569		1,020,569
Operational Systems Development	4,854,460	164,012	5,018,472
Undistributed			
Total Research, Development, Test & Evaluation	18,451,066	198,412	18,649,478
Summary Recap of FYDP Programs -----			
Strategic Forces	251,501		251,501
General Purpose Forces	1,982,258	16,130	1,998,388
Intelligence and Communications	626,028		626,028
Research and Development	13,979,095	34,400	14,013,495
Central Supply and Maintenance	43,844		43,844
Administration and Associated Activities	1,579		1,579
Space	47,858		47,858
Classified Programs	1,518,903	147,882	1,666,785
Total Research, Development, Test & Evaluation	18,451,066	198,412	18,649,478

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Total Obligational Authority
(Dollars in Thousands)

	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO

Summary Recap of Non-RDT&E Title FYDP Programs					

Mobility Forces	7,237	18,622	18,622		
Total Research, Development, Test & Evaluation	7,237	18,622	18,622		

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FY 2019 President's Budget
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Total Obligational Authority
(Dollars in Thousands)

	FY 2018 Less Enacted		FY 2018 Total	FY 2018 Less Enacted	FY 2018
FY 2018	Div B		PB Requests*	DIV B	Remaining Req
Emergency	P.L.115-96***	FY 2018	with CR Adj	P.L.115-96***	with CR Adj
Requests**	MDDE + Ship	Remaining Req	Base + OCO +	MDDE + Ship	Base + OCO +
Emergency	Repairs	Emergency	Emergency**	Repairs	Emergency
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Summary Recap of Non-RDT&E Title FYDP Programs

Mobility Forces

18,622

18,622

Total Research, Development, Test & Evaluation

18,622

18,622

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Total Obligational Authority
(Dollars in Thousands)

FY 2019 Base	FY 2019 OCO	FY 2019 Total
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Summary Recap of Non-RDT&E Title FYDP Programs

Mobility Forces

Total Research, Development, Test & Evaluation

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(Dollars in Thousands)

	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO
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Basic Research	549,384	595,901	595,901		
Applied Research	954,884	886,079	886,079		
Advanced Technology Development	811,211	686,342	686,342		
Advanced Component Development & Prototypes	4,510,800	4,218,714	4,193,714	27,710	59,510
System Development & Demonstration	5,928,185	6,362,102	6,362,102		5,400
Management Support	1,279,290	945,757	945,757		
Operational Systems Development	3,818,201	3,980,140	3,980,140	102,655	102,655
Undistributed		-558,059	-558,059	196,172	158,972
Total Research, Development, Test & Evaluation	17,851,955	17,116,976	17,091,976	326,537	326,537
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Strategic Forces	187,327	201,735	201,735		
General Purpose Forces	1,407,847	1,675,797	1,675,797	12,800	12,800
Intelligence and Communications	927,792	751,779	751,779		
Research and Development	13,686,598	13,589,349	13,564,349	27,710	64,910
Central Supply and Maintenance	40,169	43,035	43,035		
Administration and Associated Activities	136	-556,310	-556,310	196,172	158,972
Space		47,244	47,244		
Classified Programs	1,602,086	1,364,347	1,364,347	89,855	89,855
Total Research, Development, Test & Evaluation	17,851,955	17,116,976	17,091,976	326,537	326,537

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Operational Systems Development	60,000	-60,000		4,142,795	-60,000	4,082,795
Undistributed				-399,087		-399,087
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Strategic Forces				201,735		201,735
General Purpose Forces				1,688,597		1,688,597
Intelligence and Communications				751,779		751,779
Research and Development				13,629,259		13,629,259
Central Supply and Maintenance				43,035		43,035
Administration and Associated Activities				-397,338		-397,338
Space				47,244		47,244
Classified Programs	60,000	-60,000		1,514,202	-60,000	1,454,202
Total Research, Development, Test & Evaluation	60,000	-60,000		17,478,513	-60,000	17,418,513

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Central Supply and Maintenance	43,844		43,844
Administration and Associated Activities	1,579		1,579
Space	47,858		47,858
Classified Programs	1,518,903	147,882	1,666,785
Total Research, Development, Test & Evaluation	18,451,066	198,412	18,649,478

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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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1	0601103N	University Research Initiatives	01	117,320	118,130	118,130			U
2	0601152N	In-House Laboratory Independent Research	01	18,238	19,438	19,438			U
3	0601153N	Defense Research Sciences	01	413,826	458,333	458,333			U
		Basic Research		549,384	595,901	595,901			
4	0602114N	Power Projection Applied Research	02	69,950	13,553	13,553			U
5	0602123N	Force Protection Applied Research	02	192,579	125,557	125,557			U
6	0602131M	Marine Corps Landing Force Technology	02	67,874	53,936	53,936			U
7	0602235N	Common Picture Applied Research	02	40,649	36,450	36,450			U
8	0602236N	Warfighter Sustainment Applied Research	02	50,465	48,649	48,649			U
9	0602271N	Electromagnetic Systems Applied Research	02	114,613	79,598	79,598			U
10	0602435N	Ocean Warfighting Environment Applied Research	02	79,941	42,411	42,411			U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	6,146	6,425	6,425			U
12	0602747N	Undersea Warfare Applied Research	02	120,537	56,094	56,094			U
13	0602750N	Future Naval Capabilities Applied Research	02	152,427	156,805	156,805			U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	31,256	32,733	32,733			U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program Element No Number	Item ----	Act ---	FY 2018 Emergency Requests** -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + e Emergency -----	S c -
1	0601103N	University Research Initiatives	01				118,130		118,130	U
2	0601152N	In-House Laboratory Independent Research	01				19,438		19,438	U
3	0601153N	Defense Research Sciences	01				458,333		458,333	U
	Basic Research						595,901		595,901	
4	0602114N	Power Projection Applied Research	02				13,553		13,553	U
5	0602123N	Force Protection Applied Research	02				125,557		125,557	U
6	0602131M	Marine Corps Landing Force Technology	02				53,936		53,936	U
7	0602235N	Common Picture Applied Research	02				36,450		36,450	U
8	0602236N	Warfighter Sustainment Applied Research	02				48,649		48,649	U
9	0602271N	Electromagnetic Systems Applied Research	02				79,598		79,598	U
10	0602435N	Ocean Warfighting Environment Applied Research	02				42,411		42,411	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02				6,425		6,425	U
12	0602747N	Undersea Warfare Applied Research	02				56,094		56,094	U
13	0602750N	Future Naval Capabilities Applied Research	02				156,805		156,805	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02				32,733		32,733	U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	S e c
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1	0601103N	University Research Initiatives	01	119,433		119,433	U
2	0601152N	In-House Laboratory Independent Research	01	19,237		19,237	U
3	0601153N	Defense Research Sciences	01	458,708		458,708	U
	Basic Research			597,378		597,378	
4	0602114N	Power Projection Applied Research	02	14,643		14,643	U
5	0602123N	Force Protection Applied Research	02	124,049		124,049	U
6	0602131M	Marine Corps Landing Force Technology	02	59,607		59,607	U
7	0602235N	Common Picture Applied Research	02	36,348		36,348	U
8	0602236N	Warfighter Sustainment Applied Research	02	56,197		56,197	U
9	0602271N	Electromagnetic Systems Applied Research	02	83,800		83,800	U
10	0602435N	Ocean Warfighting Environment Applied Research	02	42,998		42,998	U
11	0602651M	Joint Non-Lethal Weapons Applied Research	02	6,349		6,349	U
12	0602747N	Undersea Warfare Applied Research	02	58,049		58,049	U
13	0602750N	Future Naval Capabilities Applied Research	02	147,771		147,771	U
14	0602782N	Mine and Expeditionary Warfare Applied Research	02	37,545		37,545	U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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15	0602792N	Innovative Naval Prototypes (INP) Applied Research	02		171,146	171,146			U
16	0602861N	Science and Technology Management - ONR Field Acitivities	02		62,722	62,722			U
17	0602898N	Science and Technology Management - ONR Headquarters	02	28,447					U
		Applied Research		954,884	886,079	886,079			
18	0603114N	Power Projection Advanced Technology	03	97,122					U
19	0603123N	Force Protection Advanced Technology	03	83,146	26,342	26,342			U
20	0603271N	Electromagnetic Systems Advanced Technology	03	25,726	9,360	9,360			U
21	0603640M	USMC Advanced Technology Demonstration (ATD)	03	137,190	154,407	154,407			U
22	0603651M	Joint Non-Lethal Weapons Technology Development	03	12,790	13,448	13,448			U
23	0603671N	Navy Advanced Technology Development (ATD)	03						U
24	0603673N	Future Naval Capabilities Advanced Technology Development	03	254,203	231,772	231,772			U
25	0603680N	Manufacturing Technology Program	03	55,555	57,797	57,797			U
26	0603729N	Warfighter Protection Advanced Technology	03	39,486	4,878	4,878			U
27	0603747N	Undersea Warfare Advanced Technology	03	25,352					U
28	0603758N	Navy Warfighting Experiments and Demonstrations	03	67,965	64,889	64,889			U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program Element No Number	Item	Act	FY 2018 Emergency Requests** Emergency	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + e	S
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15	0602792N	Innovative Naval Prototypes (INP) Applied Research	02				171,146		171,146	U
16	0602861N	Science and Technology Management - ONR Field Activities	02				62,722		62,722	U
17	0602898N	Science and Technology Management - ONR Headquarters	02							U
		Applied Research		-----	-----	-----	886,079	-----	886,079	
18	0603114N	Power Projection Advanced Technology	03							U
19	0603123N	Force Protection Advanced Technology	03				26,342		26,342	U
20	0603271N	Electromagnetic Systems Advanced Technology	03				9,360		9,360	U
21	0603640M	USMC Advanced Technology Demonstration (ATD)	03				154,407		154,407	U
22	0603651M	Joint Non-Lethal Weapons Technology Development	03				13,448		13,448	U
23	0603671N	Navy Advanced Technology Development (ATD)	03							U
24	0603673N	Future Naval Capabilities Advanced Technology Development	03				231,772		231,772	U
25	0603680N	Manufacturing Technology Program	03				57,797		57,797	U
26	0603729N	Warfighter Protection Advanced Technology	03				4,878		4,878	U
27	0603747N	Undersea Warfare Advanced Technology	03							U
28	0603758N	Navy Warfighting Experiments and Demonstrations	03				64,889		64,889	U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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15	0602792N	Innovative Naval Prototypes (INP) Applied Research	02	159,697		159,697	U
16	0602861N	Science and Technology Management - ONR Field Activities	02	64,418		64,418	U
17	0602898N	Science and Technology Management - ONR Headquarters	02				U
		Applied Research		891,471		891,471	
18	0603114N	Power Projection Advanced Technology	03				U
19	0603123N	Force Protection Advanced Technology	03	2,423		2,423	U
20	0603271N	Electromagnetic Systems Advanced Technology	03				U
21	0603640M	USMC Advanced Technology Demonstration (ATD)	03	150,245		150,245	U
22	0603651M	Joint Non-Lethal Weapons Technology Development	03	13,313		13,313	U
23	0603671N	Navy Advanced Technology Development (ATD)	03	131,502		131,502	U
24	0603673N	Future Naval Capabilities Advanced Technology Development	03	232,996		232,996	U
25	0603680N	Manufacturing Technology Program	03	58,657		58,657	U
26	0603729N	Warfighter Protection Advanced Technology	03				U
27	0603747N	Undersea Warfare Advanced Technology	03				U
28	0603758N	Navy Warfighting Experiments and Demonstrations	03				U

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29	0603782N	Mine and Expeditionary Warfare Advanced Technology	03	12,676	15,164	15,164			U
30	0603801N	Innovative Naval Prototypes (INP) Advanced Technology Development	03		108,285	108,285			U
		Advanced Technology Development		811,211	686,342	686,342			
31	0603207N	Air/Ocean Tactical Applications	04	44,175	48,365	48,365			U
32	0603216N	Aviation Survivability	04	14,811	5,566	5,566			U
33	0603251N	Aircraft Systems	04	1,519	695	695			U
34	0603254N	ASW Systems Development	04	6,877	7,661	7,661			U
35	0603261N	Tactical Airborne Reconnaissance	04	3,265	3,707	3,707			U
36	0603382N	Advanced Combat Systems Technology	04	3,583	61,381	61,381			U
37	0603502N	Surface and Shallow Water Mine Countermeasures	04	126,761	154,117	154,117			U
38	0603506N	Surface Ship Torpedo Defense	04	69,872	14,974	14,974			U
39	0603512N	Carrier Systems Development	04	7,516	9,296	9,296			U
40	0603525N	PILOT FISH	04	137,435	132,083	132,083			U
41	0603527N	RETRACT LARCH	04	48,583	15,407	15,407	22,000	22,000	U
42	0603536N	RETRACT JUNIPER	04	107,871	122,413	122,413			U
43	0603542N	Radiological Control	04	677	745	745			U
44	0603553N	Surface ASW	04	1,039	1,136	1,136			U
45	0603561N	Advanced Submarine System Development	04	120,289	100,955	100,955			U

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Line	Program Element No Number	Item ----	Act ---	FY 2018 Emergency Requests** -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + e Emergency -----	S c -
29	0603782N	Mine and Expeditionary Warfare Advanced Technology	03				15,164		15,164	U
30	0603801N	Innovative Naval Prototypes (INP) Advanced Technology Development	03				108,285		108,285	U
		Advanced Technology Development		-----	-----	-----	686,342	-----	686,342	
31	0603207N	Air/Ocean Tactical Applications	04				48,365		48,365	U
32	0603216N	Aviation Survivability	04				5,566		5,566	U
33	0603251N	Aircraft Systems	04				695		695	U
34	0603254N	ASW Systems Development	04				7,661		7,661	U
35	0603261N	Tactical Airborne Reconnaissance	04				3,707		3,707	U
36	0603382N	Advanced Combat Systems Technology	04				61,381		61,381	U
37	0603502N	Surface and Shallow Water Mine Countermeasures	04				154,117		154,117	U
38	0603506N	Surface Ship Torpedo Defense	04				14,974		14,974	U
39	0603512N	Carrier Systems Development	04				9,296		9,296	U
40	0603525N	PILOT FISH	04				132,083		132,083	U
41	0603527N	RETRACT LARCH	04				37,407		37,407	U
42	0603536N	RETRACT JUNIPER	04				122,413		122,413	U
43	0603542N	Radiological Control	04				745		745	U
44	0603553N	Surface ASW	04				1,136		1,136	U
45	0603561N	Advanced Submarine System Development	04				100,955		100,955	U

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Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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29	0603782N	Mine and Expeditionary Warfare Advanced Technology	03				U
30	0603801N	Innovative Naval Prototypes (INP) Advanced Technology Development	03	161,859		161,859	U
		Advanced Technology Development		750,995		750,995	
31	0603207N	Air/Ocean Tactical Applications	04	29,747		29,747	U
32	0603216N	Aviation Survivability	04	7,050		7,050	U
33	0603251N	Aircraft Systems	04	793		793	U
34	0603254N	ASW Systems Development	04	7,058		7,058	U
35	0603261N	Tactical Airborne Reconnaissance	04	3,540		3,540	U
36	0603382N	Advanced Combat Systems Technology	04	59,741		59,741	U
37	0603502N	Surface and Shallow Water Mine Countermeasures	04	62,727		62,727	U
38	0603506N	Surface Ship Torpedo Defense	04	8,570		8,570	U
39	0603512N	Carrier Systems Development	04	5,440		5,440	U
40	0603525N	PILOT FISH	04	162,222		162,222	U
41	0603527N	RETRACT LARCH	04	11,745	18,000	29,745	U
42	0603536N	RETRACT JUNIPER	04	114,265		114,265	U
43	0603542N	Radiological Control	04	740		740	U
44	0603553N	Surface ASW	04	1,122		1,122	U
45	0603561N	Advanced Submarine System Development	04	109,086		109,086	U

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Line No	Program Element Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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46	0603562N	Submarine Tactical Warfare Systems	04	8,603	13,834	13,834			U
47	0603563N	Ship Concept Advanced Design	04	14,359	36,891	36,891			U
48	0603564N	Ship Preliminary Design & Feasibility Studies	04	13,451	12,012	12,012			U
49	0603570N	Advanced Nuclear Power Systems	04	453,313	329,500	329,500			U
50	0603573N	Advanced Surface Machinery Systems	04	30,255	29,953	29,953			U
51	0603576N	CHALK EAGLE	04	353,146	191,610	191,610			U
52	0603581N	Littoral Combat Ship (LCS)	04	50,806	40,991	40,991			U
53	0603582N	Combat System Integration	04	23,839	24,674	24,674			U
54	0603595N	Ohio Replacement	04	681,164	776,158	776,158			U
55	0603596N	LCS Mission Modules	04	153,595	116,871	116,871			U
56	0603597N	Automated Test and Analysis	04	14,507	8,052	8,052			U
57	0603599N	Frigate Development	04	83,080	143,450	143,450			U
58	0603609N	Conventional Munitions	04	8,342	8,909	8,909			U
59	0603611M	Marine Corps Assault Vehicles	04	131,381					U
60	0603635M	Marine Corps Ground Combat/Support System	04	1,043	1,428	1,428			U
61	0603654N	Joint Service Explosive Ordnance Development	04	48,686	53,367	53,367		29,700	U
62	0603713N	Ocean Engineering Technology Development	04	4,639	8,212	8,212			U
63	0603721N	Environmental Protection	04	19,117	20,214	20,214			U

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Line	Program Element No Number	Item ----	Act ---	FY 2018 Emergency Requests** -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + e Emergency -----	S c -
46	0603562N	Submarine Tactical Warfare Systems	04				13,834		13,834	U
47	0603563N	Ship Concept Advanced Design	04				36,891		36,891	U
48	0603564N	Ship Preliminary Design & Feasibility Studies	04				12,012		12,012	U
49	0603570N	Advanced Nuclear Power Systems	04				329,500		329,500	U
50	0603573N	Advanced Surface Machinery Systems	04				29,953		29,953	U
51	0603576N	CHALK EAGLE	04				191,610		191,610	U
52	0603581N	Littoral Combat Ship (LCS)	04				40,991		40,991	U
53	0603582N	Combat System Integration	04				24,674		24,674	U
54	0603595N	Ohio Replacement	04				776,158		776,158	U
55	0603596N	LCS Mission Modules	04				116,871		116,871	U
56	0603597N	Automated Test and Analysis	04				8,052		8,052	U
57	0603599N	Frigate Development	04				143,450		143,450	U
58	0603609N	Conventional Munitions	04				8,909		8,909	U
59	0603611M	Marine Corps Assault Vehicles	04							U
60	0603635M	Marine Corps Ground Combat/Support System	04				1,428		1,428	U
61	0603654N	Joint Service Explosive Ordnance Development	04				83,067		83,067	U
62	0603713N	Ocean Engineering Technology Development	04				8,212		8,212	U
63	0603721N	Environmental Protection	04				20,214		20,214	U

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Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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46	0603562N	Submarine Tactical Warfare Systems	04	9,374		9,374	U
47	0603563N	Ship Concept Advanced Design	04	89,419		89,419	U
48	0603564N	Ship Preliminary Design & Feasibility Studies	04	13,348		13,348	U
49	0603570N	Advanced Nuclear Power Systems	04	256,137		256,137	U
50	0603573N	Advanced Surface Machinery Systems	04	22,109		22,109	U
51	0603576N	CHALK EAGLE	04	29,744		29,744	U
52	0603581N	Littoral Combat Ship (LCS)	04	27,997		27,997	U
53	0603582N	Combat System Integration	04	16,351		16,351	U
54	0603595N	Ohio Replacement	04	514,846		514,846	U
55	0603596N	LCS Mission Modules	04	103,633		103,633	U
56	0603597N	Automated Test and Analysis	04	7,931		7,931	U
57	0603599N	Frigate Development	04	134,772		134,772	U
58	0603609N	Conventional Munitions	04	9,307		9,307	U
59	0603611M	Marine Corps Assault Vehicles	04				U
60	0603635M	Marine Corps Ground Combat/Support System	04	1,828		1,828	U
61	0603654N	Joint Service Explosive Ordnance Development	04	43,148	13,900	57,048	U
62	0603713N	Ocean Engineering Technology Development	04	5,915		5,915	U
63	0603721N	Environmental Protection	04	19,811		19,811	U

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64	0603724N	Navy Energy Program	04	69,500	50,623	25,623			U
65	0603725N	Facilities Improvement	04	4,213	2,837	2,837			U
66	0603734N	CHALK CORAL	04	225,665	245,143	245,143			U
67	0603739N	Navy Logistic Productivity	04	2,973	2,995	2,995			U
68	0603746N	RETRACT MAPLE	04	301,871	306,101	306,101			U
69	0603748N	LINK PLUMERIA	04	259,756	253,675	253,675			U
70	0603751N	RETRACT ELM	04	51,720	55,691	55,691			U
71	0603764N	LINK EVERGREEN	04	46,282	48,982	48,982			U
72	0603787N	Special Processes	04	13,088					U
73	0603790N	NATO Research and Development	04	8,567	9,099	9,099			U
74	0603795N	Land Attack Technology	04	17,260	33,568	33,568		2,100	U
75	0603851M	Joint Non-Lethal Weapons Testing	04	26,760	29,873	29,873			U
76	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04	102,195	106,391	106,391			U
77	0603925N	Directed Energy and Electric Weapon Systems	04	34,039	107,310	107,310			U
78	0604014N	F/A -18 Infrared Search and Track (IRST)	04						U
79	0604027N	Digital Warfare Office	04						U
80	0604028N	Small and Medium Unmanned Undersea Vehicles	04						U

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Line	Program			FY 2018	FY 2018	FY 2018	FY 2018		
Element				Emergency	Less Enacted	Total	Less Enacted	Remaining Req	
No	Number	Item	Act	Requests**	P.L.115-96***	PB Requests*	P.L.115-96***	with CR Adj	
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				-----	-----	-----	-----	-----	
64	0603724N	Navy Energy Program	04			25,623		25,623	U
65	0603725N	Facilities Improvement	04			2,837		2,837	U
66	0603734N	CHALK CORAL	04			245,143		245,143	U
67	0603739N	Navy Logistic Productivity	04			2,995		2,995	U
68	0603746N	RETRACT MAPLE	04			306,101		306,101	U
69	0603748N	LINK PLUMERIA	04			253,675		253,675	U
70	0603751N	RETRACT ELM	04			55,691		55,691	U
71	0603764N	LINK EVERGREEN	04			48,982		48,982	U
72	0603787N	Special Processes	04						U
73	0603790N	NATO Research and Development	04			9,099		9,099	U
74	0603795N	Land Attack Technology	04			35,668		35,668	U
75	0603851M	Joint Non-Lethal Weapons Testing	04			29,873		29,873	U
76	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04			106,391		106,391	U
77	0603925N	Directed Energy and Electric Weapon Systems	04			107,310		107,310	U
78	0604014N	F/A -18 Infrared Search and Track (IRST)	04						U
79	0604027N	Digital Warfare Office	04						U
80	0604028N	Small and Medium Unmanned Undersea Vehicles	04						U

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Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	S e c
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64	0603724N	Navy Energy Program	04	25,656		25,656	U
65	0603725N	Facilities Improvement	04	5,301		5,301	U
66	0603734N	CHALK CORAL	04	267,985		267,985	U
67	0603739N	Navy Logistic Productivity	04	4,059		4,059	U
68	0603746N	RETRACT MAPLE	04	377,878		377,878	U
69	0603748N	LINK PLUMERIA	04	381,770		381,770	U
70	0603751N	RETRACT ELM	04	60,535		60,535	U
71	0603764N	LINK EVERGREEN	04				U
72	0603787N	Special Processes	04				U
73	0603790N	NATO Research and Development	04	9,652		9,652	U
74	0603795N	Land Attack Technology	04	15,529	1,400	16,929	U
75	0603851M	Joint Non-Lethal Weapons Testing	04	27,581		27,581	U
76	0603860N	Joint Precision Approach and Landing Systems - Dem/Val	04	101,566		101,566	U
77	0603925N	Directed Energy and Electric Weapon Systems	04	223,344		223,344	U
78	0604014N	F/A -18 Infrared Search and Track (IRST)	04	108,700		108,700	U
79	0604027N	Digital Warfare Office	04	26,691		26,691	U
80	0604028N	Small and Medium Unmanned Undersea Vehicles	04	16,717		16,717	U

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81	0604029N	Unmanned Undersea Vehicle Core Technologies	04						U
82	0604030N	Rapid Prototyping, Experimentation and Demonstration.	04						U
83	0604031N	Large Unmanned Undersea Vehicles	04						U
84	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04	69,185	83,935	83,935			U
85	0604122N	Remote Minehunting System (RMS)	04	2,926					U
86	0604126N	Littoral Airborne MCM	04						U
87	0604127N	Surface Mine Countermeasures	04						U
88	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	59,753	46,844	46,844	5,710	5,710	U
89	0604286M	Marine Corps Additive Manufacturing Technology Development	04		6,200	6,200			U
90	0604289M	Next Generation Logistics	04						U
91	0604292N	MH-XX	04	1,618					U
92	0604320M	Rapid Technology Capability Prototype	04		7,055	7,055			U
93	0604454N	LX (R)	04	24,730	9,578	9,578			U
94	0604536N	Advanced Undersea Prototyping	04	57,363	66,543	66,543			U
95	0604659N	Precision Strike Weapons Development Program	04	4,874	31,315	31,315			U
96	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	20,104	42,851	42,851			U

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Line	Program Element No Number	Item ----	Act ---	FY 2018 Emergency Requests** -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency -----	S e c -
81	0604029N	Unmanned Undersea Vehicle Core Technologies	04							U
82	0604030N	Rapid Prototyping, Experimentation and Demonstration.	04							U
83	0604031N	Large Unmanned Undersea Vehicles	04							U
84	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04				83,935		83,935	U
85	0604122N	Remote Minehunting System (RMS)	04							U
86	0604126N	Littoral Airborne MCM	04							U
87	0604127N	Surface Mine Countermeasures	04							U
88	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04				52,554		52,554	U
89	0604286M	Marine Corps Additive Manufacturing Technology Development	04				6,200		6,200	U
90	0604289M	Next Generation Logistics	04							U
91	0604292N	MH-XX	04							U
92	0604320M	Rapid Technology Capability Prototype	04				7,055		7,055	U
93	0604454N	LX (R)	04				9,578		9,578	U
94	0604536N	Advanced Undersea Prototyping	04				66,543		66,543	U
95	0604659N	Precision Strike Weapons Development Program	04				31,315		31,315	U
96	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04				42,851		42,851	U

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Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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81	0604029N	Unmanned Undersea Vehicle Core Technologies	04	30,187		30,187	U
82	0604030N	Rapid Prototyping, Experimentation and Demonstration.	04	48,796		48,796	U
83	0604031N	Large Unmanned Undersea Vehicles	04	92,613		92,613	U
84	0604112N	Gerald R. Ford Class Nuclear Aircraft Carrier (CVN 78 - 80)	04	58,121		58,121	U
85	0604122N	Remote Minehunting System (RMS)	04				U
86	0604126N	Littoral Airborne MCM	04	17,622		17,622	U
87	0604127N	Surface Mine Countermeasures	04	18,154		18,154	U
88	0604272N	Tactical Air Directional Infrared Countermeasures (TADIRCM)	04	47,278		47,278	U
89	0604286M	Marine Corps Additive Manufacturing Technology Development	04				U
90	0604289M	Next Generation Logistics	04	11,081		11,081	U
91	0604292N	MH-XX	04				U
92	0604320M	Rapid Technology Capability Prototype	04	7,107		7,107	U
93	0604454N	LX (R)	04	5,549		5,549	U
94	0604536N	Advanced Undersea Prototyping	04	87,669		87,669	U
95	0604659N	Precision Strike Weapons Development Program	04	132,818		132,818	U
96	0604707N	Space and Electronic Warfare (SEW) Architecture/Engineering Support	04	7,230		7,230	U

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Line No	Program Element Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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97	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	301,554	160,694	160,694			U
98	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04	7,658					U
99	0303354N	ASW Systems Development - MIP	04	9,110	8,278	8,278			U
100	0304240M	Advanced Tactical Unmanned Aircraft System	04		7,979	7,979			U
101	0304240N	Advanced Tactical Unmanned Aircraft System	04						U
102	0304270N	Electronic Warfare Development - MIP	04	437	527	527			U
		Advanced Component Development & Prototypes		4,510,800	4,218,714	4,193,714	27,710	59,510	
103	0603208N	Training System Aircraft	05	17,490	16,945	16,945			U
104	0604212N	Other Helo Development	05	5,889	26,786	26,786			U
105	0604214M	AV-8B Aircraft - Eng Dev	05						U
106	0604214N	AV-8B Aircraft - Eng Dev	05	32,179	48,780	48,780			U
107	0604215N	Standards Development	05	1,300	2,722	2,722			U
108	0604216N	Multi-Mission Helicopter Upgrade Development	05	5,189	5,371	5,371			U
109	0604218N	Air/Ocean Equipment Engineering	05	3,747	782	782			U
110	0604221N	P-3 Modernization Program	05	1,864	1,361	1,361			U
111	0604230N	Warfare Support System	05	11,404	14,167	14,167		5,400	U
112	0604231N	Tactical Command System	05	36,190	55,695	55,695			U

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97	0604786N	Offensive Anti-Surface Warfare Weapon Development	04				160,694		160,694	U
98	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04							U
99	0303354N	ASW Systems Development - MIP	04				8,278		8,278	U
100	0304240M	Advanced Tactical Unmanned Aircraft System	04				7,979		7,979	U
101	0304240N	Advanced Tactical Unmanned Aircraft System	04							U
102	0304270N	Electronic Warfare Development - MIP	04				527		527	U
		Advanced Component Development & Prototypes		-----	-----	-----	4,253,224	-----	4,253,224	
103	0603208N	Training System Aircraft	05				16,945		16,945	U
104	0604212N	Other Helo Development	05				26,786		26,786	U
105	0604214M	AV-8B Aircraft - Eng Dev	05							U
106	0604214N	AV-8B Aircraft - Eng Dev	05				48,780		48,780	U
107	0604215N	Standards Development	05				2,722		2,722	U
108	0604216N	Multi-Mission Helicopter Upgrade Development	05				5,371		5,371	U
109	0604218N	Air/Ocean Equipment Engineering	05				782		782	U
110	0604221N	P-3 Modernization Program	05				1,361		1,361	U
111	0604230N	Warfare Support System	05				19,567		19,567	U
112	0604231N	Tactical Command System	05				55,695		55,695	U

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Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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97	0604786N	Offensive Anti-Surface Warfare Weapon Development	04	143,062		143,062	U
98	0605812M	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph	04				U
99	0303354N	ASW Systems Development - MIP	04	8,889		8,889	U
100	0304240M	Advanced Tactical Unmanned Aircraft System	04	25,291		25,291	U
101	0304240N	Advanced Tactical Unmanned Aircraft System	04	9,300		9,300	U
102	0304270N	Electronic Warfare Development - MIP	04	466		466	U
	Advanced Component Development & Prototypes			4,293,713	33,300	4,327,013	
103	0603208N	Training System Aircraft	05	12,798		12,798	U
104	0604212N	Other Helo Development	05	32,128		32,128	U
105	0604214M	AV-8B Aircraft - Eng Dev	05	46,363		46,363	U
106	0604214N	AV-8B Aircraft - Eng Dev	05				U
107	0604215N	Standards Development	05	3,771		3,771	U
108	0604216N	Multi-Mission Helicopter Upgrade Development	05	16,611		16,611	U
109	0604218N	Air/Ocean Equipment Engineering	05	17,368		17,368	U
110	0604221N	P-3 Modernization Program	05	2,134		2,134	U
111	0604230N	Warfare Support System	05	9,729		9,729	U
112	0604231N	Tactical Command System	05	57,688		57,688	U

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113	0604234N	Advanced Hawkeye	05	354,390	292,535	292,535			U
114	0604245M	H-1 Upgrades	05						U
115	0604245N	H-1 Upgrades	05	27,013	61,288	61,288			U
116	0604261N	Acoustic Search Sensors	05	28,940	37,167	37,167			U
117	0604262N	V-22A	05	149,113	171,386	171,386			U
118	0604264N	Air Crew Systems Development	05	8,746	13,235	13,235			U
119	0604269N	EA-18	05	100,825	173,488	173,488			U
120	0604270N	Electronic Warfare Development	05	44,894	54,055	54,055			U
121	0604273M	Executive Helo Development	05						U
122	0604273N	Executive Helo Development	05	327,770	451,938	451,938			U
123	0604274N	Next Generation Jammer (NGJ)	05	559,017	632,936	632,936			U
124	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	2,295	4,310	4,310			U
125	0604282N	Next Generation Jammer (NGJ) Increment II	05	18,964	66,686	66,686			U
126	0604307N	Surface Combatant Combat System Engineering	05	288,678	390,238	390,238			U
127	0604311N	LPD-17 Class Systems Integration	05	565	689	689			U
128	0604329N	Small Diameter Bomb (SDB)	05	86,989	112,846	112,846			U
129	0604366N	Standard Missile Improvements	05	113,601	158,578	158,578			U
130	0604373N	Airborne MCM	05	44,930	15,734	15,734			U

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113	0604234N	Advanced Hawkeye	05				292,535		292,535	U
114	0604245M	H-1 Upgrades	05							U
115	0604245N	H-1 Upgrades	05				61,288		61,288	U
116	0604261N	Acoustic Search Sensors	05				37,167		37,167	U
117	0604262N	V-22A	05				171,386		171,386	U
118	0604264N	Air Crew Systems Development	05				13,235		13,235	U
119	0604269N	EA-18	05				173,488		173,488	U
120	0604270N	Electronic Warfare Development	05				54,055		54,055	U
121	0604273M	Executive Helo Development	05							U
122	0604273N	Executive Helo Development	05				451,938		451,938	U
123	0604274N	Next Generation Jammer (NGJ)	05				632,936		632,936	U
124	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05				4,310		4,310	U
125	0604282N	Next Generation Jammer (NGJ) Increment II	05				66,686		66,686	U
126	0604307N	Surface Combatant Combat System Engineering	05				390,238		390,238	U
127	0604311N	LPD-17 Class Systems Integration	05				689		689	U
128	0604329N	Small Diameter Bomb (SDB)	05				112,846		112,846	U
129	0604366N	Standard Missile Improvements	05				158,578		158,578	U
130	0604373N	Airborne MCM	05				15,734		15,734	U

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113	0604234N	Advanced Hawkeye	05	223,565		223,565	U
114	0604245M	H-1 Upgrades	05	58,097		58,097	U
115	0604245N	H-1 Upgrades	05				U
116	0604261N	Acoustic Search Sensors	05	42,485		42,485	U
117	0604262N	V-22A	05	143,079		143,079	U
118	0604264N	Air Crew Systems Development	05	20,980		20,980	U
119	0604269N	EA-18	05	147,419		147,419	U
120	0604270N	Electronic Warfare Development	05	89,824		89,824	U
121	0604273M	Executive Helo Development	05	245,064		245,064	U
122	0604273N	Executive Helo Development	05				U
123	0604274N	Next Generation Jammer (NGJ)	05	459,529		459,529	U
124	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	05	3,272		3,272	U
125	0604282N	Next Generation Jammer (NGJ) Increment II	05	115,253		115,253	U
126	0604307N	Surface Combatant Combat System Engineering	05	397,403		397,403	U
127	0604311N	LPD-17 Class Systems Integration	05	939		939	U
128	0604329N	Small Diameter Bomb (SDB)	05	104,448		104,448	U
129	0604366N	Standard Missile Improvements	05	165,881		165,881	U
130	0604373N	Airborne MCM	05	10,831		10,831	U

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131	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	25,086	25,445	25,445			U
132	0604501N	Advanced Above Water Sensors	05	70,658	87,233	87,233			U
133	0604503N	SSN-688 and Trident Modernization	05	120,261	130,981	130,981			U
134	0604504N	Air Control	05	42,206	75,186	75,186			U
135	0604512N	Shipboard Aviation Systems	05	114,327	177,926	177,926			U
136	0604518N	Combat Information Center Conversion	05	6,092	8,062	8,062			U
137	0604522N	Air and Missile Defense Radar (AMDR) System	05	141,338	32,090	32,090			U
138	0604530N	Advanced Arresting Gear (AAG)	05						U
139	0604558N	New Design SSN	05	127,883	120,087	120,087			U
140	0604562N	Submarine Tactical Warfare System	05	50,069	50,850	50,850			U
141	0604567N	Ship Contract Design/ Live Fire T&E	05	82,946	67,166	67,166			U
142	0604574N	Navy Tactical Computer Resources	05	3,059	4,817	4,817			U
143	0604580N	Virginia Payload Module (VPM)	05	94,846	72,861	72,861			U
144	0604601N	Mine Development	05	14,860	25,635	25,635			U
145	0604610N	Lightweight Torpedo Development	05	29,567	28,076	28,076			U
146	0604654N	Joint Service Explosive Ordnance Development	05	7,369	7,561	7,561			U
147	0604703N	Personnel, Training, Simulation, and Human Factors	05	4,805	40,828	40,828			U
148	0604727N	Joint Standoff Weapon Systems	05	396	435	435			U

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131	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05				25,445		25,445	U
132	0604501N	Advanced Above Water Sensors	05				87,233		87,233	U
133	0604503N	SSN-688 and Trident Modernization	05				130,981		130,981	U
134	0604504N	Air Control	05				75,186		75,186	U
135	0604512N	Shipboard Aviation Systems	05				177,926		177,926	U
136	0604518N	Combat Information Center Conversion	05				8,062		8,062	U
137	0604522N	Air and Missile Defense Radar (AMDR) System	05				32,090		32,090	U
138	0604530N	Advanced Arresting Gear (AAG)	05							U
139	0604558N	New Design SSN	05				120,087		120,087	U
140	0604562N	Submarine Tactical Warfare System	05				50,850		50,850	U
141	0604567N	Ship Contract Design/ Live Fire T&E	05				67,166		67,166	U
142	0604574N	Navy Tactical Computer Resources	05				4,817		4,817	U
143	0604580N	Virginia Payload Module (VPM)	05				72,861		72,861	U
144	0604601N	Mine Development	05				25,635		25,635	U
145	0604610N	Lightweight Torpedo Development	05				28,076		28,076	U
146	0604654N	Joint Service Explosive Ordnance Development	05				7,561		7,561	U
147	0604703N	Personnel, Training, Simulation, and Human Factors	05				40,828		40,828	U
148	0604727N	Joint Standoff Weapon Systems	05				435		435	U

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131	0604378N	Naval Integrated Fire Control - Counter Air Systems Engineering	05	33,429		33,429	U
132	0604501N	Advanced Above Water Sensors	05	35,635		35,635	U
133	0604503N	SSN-688 and Trident Modernization	05	126,932		126,932	U
134	0604504N	Air Control	05	62,448		62,448	U
135	0604512N	Shipboard Aviation Systems	05	9,710		9,710	U
136	0604518N	Combat Information Center Conversion	05	19,303		19,303	U
137	0604522N	Air and Missile Defense Radar (AMDR) System	05	27,059		27,059	U
138	0604530N	Advanced Arresting Gear (AAG)	05	184,106		184,106	U
139	0604558N	New Design SSN	05	148,233		148,233	U
140	0604562N	Submarine Tactical Warfare System	05	60,824		60,824	U
141	0604567N	Ship Contract Design/ Live Fire T&E	05	60,062		60,062	U
142	0604574N	Navy Tactical Computer Resources	05	4,642		4,642	U
143	0604580N	Virginia Payload Module (VPM)	05				U
144	0604601N	Mine Development	05	25,756		25,756	U
145	0604610N	Lightweight Torpedo Development	05	95,147		95,147	U
146	0604654N	Joint Service Explosive Ordnance Development	05	7,107		7,107	U
147	0604703N	Personnel, Training, Simulation, and Human Factors	05	6,539		6,539	U
148	0604727N	Joint Standoff Weapon Systems	05	441		441	U

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149	0604755N	Ship Self Defense (Detect & Control)	05	133,452	161,713	161,713			U
150	0604756N	Ship Self Defense (Engage: Hard Kill)	05	115,081	212,412	212,412			U
151	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	108,630	103,391	103,391			U
152	0604761N	Intelligence Engineering	05	9,029	34,855	34,855			U
153	0604771N	Medical Development	05	24,510	9,353	9,353			U
154	0604777N	Navigation/ID System	05	41,905	92,546	92,546			U
155	0604800M	Joint Strike Fighter (JSF) - EMD	05	519,393	152,934	152,934			U
156	0604800N	Joint Strike Fighter (JSF) - EMD	05	512,662	108,931	108,931			U
157	0604810M	Joint Strike Fighter Follow On Modernization (FoM) - Marine Corps	05	29,691	144,958	144,958			U
158	0604810N	Joint Strike Fighter Follow On Modernization (FoM) - Navy	05	25,041	143,855	143,855			U
159	0605013M	Information Technology Development	05	3,744	14,865	14,865			U
160	0605013N	Information Technology Development	05	87,469	152,977	152,977			U
161	0605024N	Anti-Tamper Technology Support	05	500	3,410	3,410			U
162	0605212M	CH-53K RDTE	05						U
163	0605212N	CH-53K RDTE	05	339,101	340,758	340,758			U
164	0605215N	Mission Planning	05	32,876	33,430	33,430			U
165	0605217N	Common Avionics	05	42,711	58,163	58,163			U
166	0605220N	Ship to Shore Connector (SSC)	05	12,588	22,410	22,410			U

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149	0604755N	Ship Self Defense (Detect & Control)	05				161,713		161,713	U
150	0604756N	Ship Self Defense (Engage: Hard Kill)	05				212,412		212,412	U
151	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05				103,391		103,391	U
152	0604761N	Intelligence Engineering	05				34,855		34,855	U
153	0604771N	Medical Development	05				9,353		9,353	U
154	0604777N	Navigation/ID System	05				92,546		92,546	U
155	0604800M	Joint Strike Fighter (JSF) - EMD	05				152,934		152,934	U
156	0604800N	Joint Strike Fighter (JSF) - EMD	05				108,931		108,931	U
157	0604810M	Joint Strike Fighter Follow On Modernization (FoM) - Marine Corps	05				144,958		144,958	U
158	0604810N	Joint Strike Fighter Follow On Modernization (FoM) - Navy	05				143,855		143,855	U
159	0605013M	Information Technology Development	05				14,865		14,865	U
160	0605013N	Information Technology Development	05				152,977		152,977	U
161	0605024N	Anti-Tamper Technology Support	05				3,410		3,410	U
162	0605212M	CH-53K RDTE	05							U
163	0605212N	CH-53K RDTE	05				340,758		340,758	U
164	0605215N	Mission Planning	05				33,430		33,430	U
165	0605217N	Common Avionics	05				58,163		58,163	U
166	0605220N	Ship to Shore Connector (SSC)	05				22,410		22,410	U

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149	0604755N	Ship Self Defense (Detect & Control)	05	180,391	1,100	181,491	U
150	0604756N	Ship Self Defense (Engage: Hard Kill)	05	178,538		178,538	U
151	0604757N	Ship Self Defense (Engage: Soft Kill/EW)	05	120,507		120,507	U
152	0604761N	Intelligence Engineering	05	29,715		29,715	U
153	0604771N	Medical Development	05	8,095		8,095	U
154	0604777N	Navigation/ID System	05	121,026		121,026	U
155	0604800M	Joint Strike Fighter (JSF) - EMD	05	66,566		66,566	U
156	0604800N	Joint Strike Fighter (JSF) - EMD	05	65,494		65,494	U
157	0604810M	Joint Strike Fighter Follow On Modernization (FoM) - Marine Corps	05				U
158	0604810N	Joint Strike Fighter Follow On Modernization (FoM) - Navy	05				U
159	0605013M	Information Technology Development	05	14,005		14,005	U
160	0605013N	Information Technology Development	05	268,567		268,567	U
161	0605024N	Anti-Tamper Technology Support	05	5,618		5,618	U
162	0605212M	CH-53K RDTE	05	326,945		326,945	U
163	0605212N	CH-53K RDTE	05				U
164	0605215N	Mission Planning	05	32,714		32,714	U
165	0605217N	Common Avionics	05	51,486		51,486	U
166	0605220N	Ship to Shore Connector (SSC)	05	1,444		1,444	U

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167	0605327N	T-AO 205 Class	05	1,062	1,961	1,961			U
168	0605414N	Unmanned Carrier Aviation (UCA)	05	75,863	222,208	222,208			U
169	0605450M	Joint Air-to-Ground Missile (JAGM)	05						U
170	0605450N	Joint Air-to-Ground Missile (JAGM)	05	17,834	15,473	15,473			U
171	0605500N	Multi-mission Maritime Aircraft (MMA)	05	61,959	11,795	11,795			U
172	0605504N	Multi-Mission Maritime (MMA) Increment III	05	109,827	181,731	181,731			U
173	0605611M	Marine Corps Assault Vehicles System Development & Demonstration	05		178,993	178,993			U
174	0605813M	Joint Light Tactical Vehicle (JLTV) System Development & Demonstration	05		20,710	20,710			U
175	0204202N	DDG-1000	05	45,187	140,500	140,500			U
176	0303267N	Auctioned Spectrum Relocation Fund***	05	251,203					U
177	0303367N	Spectrum Access Research and Development***	05	46,902					U
178	0303467N	SENSR Spectrum Pipeline SRF***	05	150					U
179	0304231N	Tactical Command System - MIP	05	676					U
180	0304785N	Tactical Cryptologic Systems	05	34,038	28,311	28,311			U
181	0305124N	Special Applications Program	05	35,002					U
182	0306250M	Cyber Operations Technology Development	05	2,349	4,502	4,502			U
				-----	-----	-----	-----	-----	
		System Development & Demonstration		5,928,185	6,362,102	6,362,102		5,400	

***Funding in this Program Element was transferred during the year of execution from the Spectrum Relocation Fund (SRF) in support of the Advanced Wireless Services 3 (AWS-3) auction and is associated with the reallocation or sharing of the 1755-1780 MHz and 1695-1710 MHz bands. The SRF is administered by the Office of Management and Budget (OMB), which approves SRF transfers to federal agencies on an annual basis in consultation with the National Telecommunications and Information Administration (NTIA).

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167	0605327N	T-AO 205 Class	05				1,961		1,961	U
168	0605414N	Unmanned Carrier Aviation (UCA)	05				222,208		222,208	U
169	0605450M	Joint Air-to-Ground Missile (JAGM)	05							U
170	0605450N	Joint Air-to-Ground Missile (JAGM)	05				15,473		15,473	U
171	0605500N	Multi-mission Maritime Aircraft (MMA)	05				11,795		11,795	U
172	0605504N	Multi-Mission Maritime (MMA) Increment III	05				181,731		181,731	U
173	0605611M	Marine Corps Assault Vehicles System Development & Demonstration	05				178,993		178,993	U
174	0605813M	Joint Light Tactical Vehicle (JLTV) System Development & Demonstration	05				20,710		20,710	U
175	0204202N	DDG-1000	05				140,500		140,500	U
176	0303267N	Auctioned Spectrum Relocation Fund***	05							U
177	0303367N	Spectrum Access Research and Development***	05							U
178	0303467N	SENSR Spectrum Pipeline SRF***	05							U
179	0304231N	Tactical Command System - MIP	05							U
180	0304785N	Tactical Cryptologic Systems	05				28,311		28,311	U
181	0305124N	Special Applications Program	05							U
182	0306250M	Cyber Operations Technology Development	05				4,502		4,502	U
		System Development & Demonstration		-----	-----	-----	6,367,502	-----	6,367,502	

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167	0605327N	T-AO 205 Class	05	1,298		1,298	U
168	0605414N	Unmanned Carrier Aviation (UCA)	05	718,942		718,942	U
169	0605450M	Joint Air-to-Ground Missile (JAGM)	05	6,759		6,759	U
170	0605450N	Joint Air-to-Ground Missile (JAGM)	05				U
171	0605500N	Multi-mission Maritime Aircraft (MMA)	05	37,296		37,296	U
172	0605504N	Multi-Mission Maritime (MMA) Increment III	05	160,389		160,389	U
173	0605611M	Marine Corps Assault Vehicles System Development & Demonstration	05	98,223		98,223	U
174	0605813M	Joint Light Tactical Vehicle (JLTV) System Development & Demonstration	05	2,260		2,260	U
175	0204202N	DDG-1000	05	161,264		161,264	U
176	0303267N	Auctioned Spectrum Relocation Fund***	05				U
177	0303367N	Spectrum Access Research and Development***	05				U
178	0303467N	SENSR Spectrum Pipeline SRF***	05				U
179	0304231N	Tactical Command System - MIP	05				U
180	0304785N	Tactical Cryptologic Systems	05	44,098		44,098	U
181	0305124N	Special Applications Program	05				U
182	0306250M	Cyber Operations Technology Development	05	6,808		6,808	U

System Development & Demonstration

6,042,480

1,100

6,043,580

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183	0604256N	Threat Simulator Development	06	16,581	91,819	91,819			U
184	0604258N	Target Systems Development	06	34,021	23,053	23,053			U
185	0604759N	Major T&E Investment	06	51,375	52,634	52,634			U
186	0605126N	Joint Theater Air and Missile Defense Organization	06	2,888	141	141			U
187	0605152N	Studies and Analysis Support - Navy	06	3,861	3,917	3,917			U
188	0605154N	Center for Naval Analyses	06	43,532	50,432	50,432			U
189	0605285N	Next Generation Fighter	06	1,394					U
190	0605502N	Small Business Innovative Research	06	370,665					U
191	0605804N	Technical Information Services	06	1,494	782	782			U
192	0605853N	Management, Technical & International Support	06	97,939	94,562	94,562			U
193	0605856N	Strategic Technical Support	06	3,460	4,313	4,313			U
194	0605861N	RDT&E Science and Technology Management	06	62,961	1,104	1,104			U
195	0605863N	RDT&E Ship and Aircraft Support	06	105,693	105,666	105,666			U
196	0605864N	Test and Evaluation Support	06	398,972	373,667	373,667			U
197	0605865N	Operational Test and Evaluation Capability	06	17,984	20,298	20,298			U
198	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	9,658	17,341	17,341			U
199	0605867N	SEW Surveillance/Reconnaissance Support	06	6,500					U

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183	0604256N	Threat Simulator Development	06				91,819		91,819	U
184	0604258N	Target Systems Development	06				23,053		23,053	U
185	0604759N	Major T&E Investment	06				52,634		52,634	U
186	0605126N	Joint Theater Air and Missile Defense Organization	06				141		141	U
187	0605152N	Studies and Analysis Support - Navy	06				3,917		3,917	U
188	0605154N	Center for Naval Analyses	06				50,432		50,432	U
189	0605285N	Next Generation Fighter	06							U
190	0605502N	Small Business Innovative Research	06							U
191	0605804N	Technical Information Services	06				782		782	U
192	0605853N	Management, Technical & International Support	06				94,562		94,562	U
193	0605856N	Strategic Technical Support	06				4,313		4,313	U
194	0605861N	RDT&E Science and Technology Management	06				1,104		1,104	U
195	0605863N	RDT&E Ship and Aircraft Support	06				105,666		105,666	U
196	0605864N	Test and Evaluation Support	06				373,667		373,667	U
197	0605865N	Operational Test and Evaluation Capability	06				20,298		20,298	U
198	0605866N	Navy Space and Electronic Warfare (SEW) Support	06				17,341		17,341	U
199	0605867N	SEW Surveillance/Reconnaissance Support	06							U

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183	0604256N	Threat Simulator Development	06	94,576		94,576	U
184	0604258N	Target Systems Development	06	10,981		10,981	U
185	0604759N	Major T&E Investment	06	77,014		77,014	U
186	0605126N	Joint Theater Air and Missile Defense Organization	06	48		48	U
187	0605152N	Studies and Analysis Support - Navy	06	3,942		3,942	U
188	0605154N	Center for Naval Analyses	06	48,797		48,797	U
189	0605285N	Next Generation Fighter	06	5,000		5,000	U
190	0605502N	Small Business Innovative Research	06				U
191	0605804N	Technical Information Services	06	1,029		1,029	U
192	0605853N	Management, Technical & International Support	06	87,565		87,565	U
193	0605856N	Strategic Technical Support	06	4,231		4,231	U
194	0605861N	RDT&E Science and Technology Management	06	1,072		1,072	U
195	0605863N	RDT&E Ship and Aircraft Support	06	97,471		97,471	U
196	0605864N	Test and Evaluation Support	06	373,834		373,834	U
197	0605865N	Operational Test and Evaluation Capability	06	21,554		21,554	U
198	0605866N	Navy Space and Electronic Warfare (SEW) Support	06	16,227		16,227	U
199	0605867N	SEW Surveillance/Reconnaissance Support	06				U

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200	0605873M	Marine Corps Program Wide Support	06	19,142	21,751	21,751			U
201	0605898N	Management HQ - R&D	06	16,188	44,279	44,279			U
202	0606355N	Warfare Innovation Management	06	14,846	28,841	28,841			U
203	0606942M	Assessments and Evaluations Cyber Vulnerabilities	06						U
204	0606942N	Assessments and Evaluations Cyber Vulnerabilities	06						U
205	0305327N	Insider Threat	06						U
206	0902498N	Management Headquarters (Departmental Support Activities)	06		1,749	1,749			U
207	0909999N	Financing for Cancelled Account Adjustments	06	136					U
208	1206867N	SEW Surveillance/Reconnaissance Support	06		9,408	9,408			U
		Management Support		1,279,290	945,757	945,757			
210	0604227N	HARPOON Modifications	07						U
211	0604840M	F-35 C2D2	07						U
212	0604840N	F-35 C2D2	07						U
213	0607658N	Cooperative Engagement Capability (CEC)	07	75,099	92,571	92,571			U
214	0607700N	Deployable Joint Command and Control	07	2,935	3,137	3,137			U
215	0101221N	Strategic Sub & Weapons System Support	07	130,364	135,219	135,219			U

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200	0605873M	Marine Corps Program Wide Support	06				21,751		21,751	U
201	0605898N	Management HQ - R&D	06				44,279		44,279	U
202	0606355N	Warfare Innovation Management	06				28,841		28,841	U
203	0606942M	Assessments and Evaluations Cyber Vulnerabilities	06							U
204	0606942N	Assessments and Evaluations Cyber Vulnerabilities	06							U
205	0305327N	Insider Threat	06							U
206	0902498N	Management Headquarters (Departmental Support Activities)	06				1,749		1,749	U
207	0909999N	Financing for Cancelled Account Adjustments	06							U
208	1206867N	SEW Surveillance/Reconnaissance Support	06				9,408		9,408	U
		Management Support		-----	-----	-----	945,757	-----	945,757	
210	0604227N	HARPOON Modifications	07							U
211	0604840M	F-35 C2D2	07							U
212	0604840N	F-35 C2D2	07							U
213	0607658N	Cooperative Engagement Capability (CEC)	07				92,571		92,571	U
214	0607700N	Deployable Joint Command and Control	07				3,137		3,137	U
215	0101221N	Strategic Sub & Weapons System Support	07				135,219		135,219	U

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200	0605873M	Marine Corps Program Wide Support	06	24,303		24,303	U
201	0605898N	Management HQ - R&D	06	43,262		43,262	U
202	0606355N	Warfare Innovation Management	06	41,918		41,918	U
203	0606942M	Assessments and Evaluations Cyber Vulnerabilities	06	7,000		7,000	U
204	0606942N	Assessments and Evaluations Cyber Vulnerabilities	06	48,800		48,800	U
205	0305327N	Insider Threat	06	1,682		1,682	U
206	0902498N	Management Headquarters (Departmental Support Activities)	06	1,579		1,579	U
207	0909999N	Financing for Cancelled Account Adjustments	06				U
208	1206867N	SEW Surveillance/Reconnaissance Support	06	8,684		8,684	U
		Management Support		1,020,569		1,020,569	
210	0604227N	HARPOON Modifications	07	5,426		5,426	U
211	0604840M	F-35 C2D2	07	259,122		259,122	U
212	0604840N	F-35 C2D2	07	252,360		252,360	U
213	0607658N	Cooperative Engagement Capability (CEC)	07	130,515		130,515	U
214	0607700N	Deployable Joint Command and Control	07	3,127		3,127	U
215	0101221N	Strategic Sub & Weapons System Support	07	157,679		157,679	U

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216	0101224N	SSBN Security Technology Program	07	32,910	36,242	36,242			U
217	0101226N	Submarine Acoustic Warfare Development	07	7,300	12,053	12,053			U
218	0101402N	Navy Strategic Communications	07	16,753	18,221	18,221			U
219	0204136N	F/A-18 Squadrons	07	169,473	224,470	224,470			U
220	0204163N	Fleet Telecommunications (Tactical)	07	38,949	33,525	33,525			U
221	0204228N	Surface Support	07	20,595	24,829	24,829			U
222	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	49,149	133,617	133,617			U
223	0204311N	Integrated Surveillance System	07	57,043	38,972	38,972	11,600	11,600	U
224	0204313N	Ship-Towed Array Surveillance Systems	07						U
225	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	11,143	3,940	3,940			U
226	0204460M	Ground/Air Task Oriented Radar (G/ATOR)	07	78,860	54,645	54,645			U
227	0204571N	Consolidated Training Systems Development	07	44,435	66,518	66,518			U
228	0204574N	Cryptologic Direct Support	07	1,122	1,155	1,155	1,200	1,200	U
229	0204575N	Electronic Warfare (EW) Readiness Support	07	79,410	51,040	51,040			U
230	0205601N	HARM Improvement	07	32,889	87,989	87,989			U
231	0205604N	Tactical Data Links	07	121,396	89,852	89,852			U

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216	0101224N	SSBN Security Technology Program	07				36,242		36,242	U
217	0101226N	Submarine Acoustic Warfare Development	07				12,053		12,053	U
218	0101402N	Navy Strategic Communications	07				18,221		18,221	U
219	0204136N	F/A-18 Squadrons	07				224,470		224,470	U
220	0204163N	Fleet Telecommunications (Tactical)	07				33,525		33,525	U
221	0204228N	Surface Support	07				24,829		24,829	U
222	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07				133,617		133,617	U
223	0204311N	Integrated Surveillance System	07				50,572		50,572	U
224	0204313N	Ship-Towed Array Surveillance Systems	07							U
225	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07				3,940		3,940	U
226	0204460M	Ground/Air Task Oriented Radar (G/ ATOR)	07				54,645		54,645	U
227	0204571N	Consolidated Training Systems Development	07				66,518		66,518	U
228	0204574N	Cryptologic Direct Support	07				2,355		2,355	U
229	0204575N	Electronic Warfare (EW) Readiness Support	07				51,040		51,040	U
230	0205601N	HARM Improvement	07				87,989		87,989	U
231	0205604N	Tactical Data Links	07				89,852		89,852	U

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216	0101224N	SSBN Security Technology Program	07	43,198		43,198	U
217	0101226N	Submarine Acoustic Warfare Development	07	11,311		11,311	U
218	0101402N	Navy Strategic Communications	07	39,313		39,313	U
219	0204136N	F/A-18 Squadrons	07	193,086		193,086	U
220	0204163N	Fleet Telecommunications (Tactical)	07	25,014		25,014	U
221	0204228N	Surface Support	07	11,661		11,661	U
222	0204229N	Tomahawk and Tomahawk Mission Planning Center (TMPC)	07	282,395		282,395	U
223	0204311N	Integrated Surveillance System	07	36,959		36,959	U
224	0204313N	Ship-Towed Array Surveillance Systems	07	15,454		15,454	U
225	0204413N	Amphibious Tactical Support Units (Displacement Craft)	07	6,073		6,073	U
226	0204460M	Ground/Air Task Oriented Radar (G/ATOR)	07	45,029		45,029	U
227	0204571N	Consolidated Training Systems Development	07	104,903		104,903	U
228	0204574N	Cryptologic Direct Support	07	4,544		4,544	U
229	0204575N	Electronic Warfare (EW) Readiness Support	07	66,889		66,889	U
230	0205601N	HARM Improvement	07	120,762		120,762	U
231	0205604N	Tactical Data Links	07	104,696		104,696	U

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232	0205620N	Surface ASW Combat System Integration	07	23,779	29,351	29,351			U
233	0205632N	MK-48 ADCAP	07	48,507	68,553	68,553			U
234	0205633N	Aviation Improvements	07	121,138	119,099	119,099			U
235	0205675N	Operational Nuclear Power Systems	07	101,786	127,445	127,445			U
236	0206313M	Marine Corps Communications Systems	07	141,171	123,825	123,825			U
237	0206335M	Common Aviation Command and Control System (CAC2S)	07	6,934	7,343	7,343			U
238	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	07	45,877	66,009	66,009			U
239	0206624M	Marine Corps Combat Services Support	07	11,639	25,258	25,258			U
240	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	22,978	30,886	30,886			U
241	0206629M	Amphibious Assault Vehicle	07	36,571	58,728	58,728			U
242	0207161N	Tactical AIM Missiles	07	54,678	42,884	42,884			U
243	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	34,010	25,364	25,364			U
244	0219902M	Global Combat Support System - Marine Corps (GCSS-MC)	07	9,128					U
248	0303109N	Satellite Communications (SPACE)	07	30,826					U
249	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	23,224	24,271	24,271			U
250	0303140N	Information Systems Security Program	07	32,708	50,269	50,269			U

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Exhibit R-1 FY 2019 President's Budget
Total Obligational Authority
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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program								
No	Element	Item	Act	FY 2018 Emergency Requests**	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + e Emergency c
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232	0205620N	Surface ASW Combat System Integration	07				29,351		29,351 U
233	0205632N	MK-48 ADCAP	07				68,553		68,553 U
234	0205633N	Aviation Improvements	07				119,099		119,099 U
235	0205675N	Operational Nuclear Power Systems	07				127,445		127,445 U
236	0206313M	Marine Corps Communications Systems	07				123,825		123,825 U
237	0206335M	Common Aviation Command and Control System (CAC2S)	07				7,343		7,343 U
238	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	07				66,009		66,009 U
239	0206624M	Marine Corps Combat Services Support	07				25,258		25,258 U
240	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07				30,886		30,886 U
241	0206629M	Amphibious Assault Vehicle	07				58,728		58,728 U
242	0207161N	Tactical AIM Missiles	07				42,884		42,884 U
243	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07				25,364		25,364 U
244	0219902M	Global Combat Support System - Marine Corps (GCSS-MC)	07						U
248	0303109N	Satellite Communications (SPACE)	07						U
249	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07				24,271		24,271 U
250	0303140N	Information Systems Security Program	07				50,269		50,269 U

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Total Obligational Authority
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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	Se
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232	0205620N	Surface ASW Combat System Integration	07	28,421		28,421	U
233	0205632N	MK-48 ADCAP	07	94,155		94,155	U
234	0205633N	Aviation Improvements	07	121,805		121,805	U
235	0205675N	Operational Nuclear Power Systems	07	117,028		117,028	U
236	0206313M	Marine Corps Communications Systems	07	174,779	16,130	190,909	U
237	0206335M	Common Aviation Command and Control System (CAC2S)	07	4,826		4,826	U
238	0206623M	Marine Corps Ground Combat/ Supporting Arms Systems	07	97,152		97,152	U
239	0206624M	Marine Corps Combat Services Support	07	30,156		30,156	U
240	0206625M	USMC Intelligence/Electronic Warfare Systems (MIP)	07	39,976		39,976	U
241	0206629M	Amphibious Assault Vehicle	07	22,637		22,637	U
242	0207161N	Tactical AIM Missiles	07	40,121		40,121	U
243	0207163N	Advanced Medium Range Air-to-Air Missile (AMRAAM)	07	32,473		32,473	U
244	0219902M	Global Combat Support System - Marine Corps (GCSS-MC)	07				U
248	0303109N	Satellite Communications (SPACE)	07				U
249	0303138N	Consolidated Afloat Network Enterprise Services (CANES)	07	23,697		23,697	U
250	0303140N	Information Systems Security Program	07	44,228		44,228	U

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Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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252	0305192N	Military Intelligence Program (MIP) Activities	07	6,019	6,352	6,352			U
253	0305204N	Tactical Unmanned Aerial Vehicles	07	8,436	7,770	7,770			U
254	0305205N	UAS Integration and Interoperability	07	21,543	39,736	39,736			U
255	0305208M	Distributed Common Ground/Surface Systems	07	2,079	12,867	12,867			U
256	0305208N	Distributed Common Ground/Surface Systems	07	44,564	46,150	46,150			U
257	0305220N	MQ-4C Triton	07	113,606	84,115	84,115			U
258	0305231N	MQ-8 UAV	07	26,518	62,656	62,656			U
259	0305232M	RQ-11 UAV	07		2,022	2,022			U
260	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	5,071	4,835	4,835			U
261	0305239M	RQ-21A	07	8,379	8,899	8,899			U
262	0305241N	Multi-Intelligence Sensor Development	07	64,765	99,020	99,020			U
263	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07	11,181	18,578	18,578			U
264	0305421N	RQ-4 Modernization	07	144,477	229,404	229,404			U
265	0308601N	Modeling and Simulation Support	07	4,529	5,238	5,238			U
266	0702207N	Depot Maintenance (Non-IF)	07	37,089	38,227	38,227			U
267	0708730N	Maritime Technology (MARITECH)	07	3,080	4,808	4,808			U

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Total Obligational Authority
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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program Element No Number	Item	Act	FY 2018 Emergency Requests**	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + e	S
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252	0305192N	Military Intelligence Program (MIP) Activities	07				6,352		6,352	U
253	0305204N	Tactical Unmanned Aerial Vehicles	07				7,770		7,770	U
254	0305205N	UAS Integration and Interoperability	07				39,736		39,736	U
255	0305208M	Distributed Common Ground/Surface Systems	07				12,867		12,867	U
256	0305208N	Distributed Common Ground/Surface Systems	07				46,150		46,150	U
257	0305220N	MQ-4C Triton	07				84,115		84,115	U
258	0305231N	MQ-8 UAV	07				62,656		62,656	U
259	0305232M	RQ-11 UAV	07				2,022		2,022	U
260	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07				4,835		4,835	U
261	0305239M	RQ-21A	07				8,899		8,899	U
262	0305241N	Multi-Intelligence Sensor Development	07				99,020		99,020	U
263	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07				18,578		18,578	U
264	0305421N	RQ-4 Modernization	07				229,404		229,404	U
265	0308601N	Modeling and Simulation Support	07				5,238		5,238	U
266	0702207N	Depot Maintenance (Non-IF)	07				38,227		38,227	U
267	0708730N	Maritime Technology (MARITECH)	07				4,808		4,808	U

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Total Obligational Authority
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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	S e c
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252	0305192N	Military Intelligence Program (MIP) Activities	07	6,081		6,081	U
253	0305204N	Tactical Unmanned Aerial Vehicles	07	8,529		8,529	U
254	0305205N	UAS Integration and Interoperability	07	41,212		41,212	U
255	0305208M	Distributed Common Ground/Surface Systems	07	7,687		7,687	U
256	0305208N	Distributed Common Ground/Surface Systems	07	42,846		42,846	U
257	0305220N	MQ-4C Triton	07	14,395		14,395	U
258	0305231N	MQ-8 UAV	07	9,843		9,843	U
259	0305232M	RQ-11 UAV	07	524		524	U
260	0305234N	Small (Level 0) Tactical UAS (STUASL0)	07	5,360		5,360	U
261	0305239M	RQ-21A	07	10,914		10,914	U
262	0305241N	Multi-Intelligence Sensor Development	07	81,231		81,231	U
263	0305242M	Unmanned Aerial Systems (UAS) Payloads (MIP)	07	5,956		5,956	U
264	0305421N	RQ-4 Modernization	07	219,894		219,894	U
265	0308601N	Modeling and Simulation Support	07	7,097		7,097	U
266	0702207N	Depot Maintenance (Non-IF)	07	36,560		36,560	U
267	0708730N	Maritime Technology (MARITECH)	07	7,284		7,284	U

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program Element No Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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268	1203109N	Satellite Communications (SPACE)	07		37,836	37,836			U
9999	99999999999	Classified Programs		1,602,086	1,364,347	1,364,347	89,855	89,855	U
		Operational Systems Development		3,818,201	3,980,140	3,980,140	102,655	102,655	
269	0901560N	Continuing Resolution Programs	20		-558,059	-558,059	196,172	158,972	U
		Undistributed			-558,059	-558,059	196,172	158,972	
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	Total Research, Development, Test & Eval, Navy			17,851,955	17,116,976	17,091,976	326,537	326,537	

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line	Program Element No Number	Item ----	Act ---	FY 2018 Emergency Requests** -----	FY 2018 Less Enacted Div B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req Emergency -----	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency** -----	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs -----	FY 2018 Remaining Req with CR Adj Base + OCO + e Emergency -----	S c -
268	1203109N	Satellite Communications (SPACE)	07				37,836		37,836	U
9999	99999999999	Classified Programs		60,000 -----	-60,000 -----	-----	1,514,202 -----	-60,000 -----	1,454,202 -----	U
		Operational Systems Development					4,142,795		4,082,795	
269	0901560N	Continuing Resolution Programs	20				-399,087 -----		-399,087 -----	U
		Undistributed					-399,087 -----		-399,087 -----	
				-----	-----	-----	-----	-----	-----	
		Total Research, Development, Test & Eval, Navy					17,478,513		17,418,513	

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Appropriation: 1319N Research, Development, Test & Eval, Navy

Line No	Program Element Number	Item	Act	FY 2019 Base	FY 2019 OCO	FY 2019 Total	S e c
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268	1203109N	Satellite Communications (SPACE)	07	39,174		39,174	U
9999	99999999999	Classified Programs		1,518,903	147,882	1,666,785	U
		Operational Systems Development		4,854,460	164,012	5,018,472	
269	0901560N	Continuing Resolution Programs	20				U
		Undistributed					
				-----	-----	-----	
		Total Research, Development, Test & Eval, Navy		18,451,066	198,412	18,649,478	

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Non RDT&E Title
(Dollars in Thousands)

	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO
Summary Recap of Budget Activities -----					
Research and Development	7,237	18,622	18,622		
Total Research, Development, Test & Evaluation	7,237	18,622	18,622		
Summary Recap of Non-RDT&E Title FYDP Programs -----					
Mobility Forces	7,237	18,622	18,622		
Total Research, Development, Test & Evaluation	7,237	18,622	18,622		

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Non RDT&E Title
(Dollars in Thousands)

	FY 2018 Less Enacted Div B	FY 2018 Remaining Req Emergency	FY 2018 Total PB Requests* with CR Adj Base + OCO + Emergency**	FY 2018 Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
Summary Recap of Budget Activities -----					
Research and Development			18,622		18,622
Total Research, Development, Test & Evaluation			18,622		18,622
Summary Recap of Non-RDT&E Title FYDP Programs -----					
Mobility Forces			18,622		18,622
Total Research, Development, Test & Evaluation			18,622		18,622

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Non RDT&E Title
(Dollars in Thousands)

	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Summary Recap of Budget Activities			
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Research and Development			
Total Research, Development, Test & Evaluation			
Summary Recap of Non-RDT&E Title FYDP Programs			

Mobility Forces			
Total Research, Development, Test & Evaluation			

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Non RDT&E Title
(Dollars in Thousands)

Appropriation: 4557N National Defense Sealift Fund

Line	Program Element No Number	Item	Act	FY 2017 (Base + OCO)	FY 2018 PB Request with CR Adj Base	FY 2018 Total PB Requests* with CR Adj Base	FY 2018 PB Request with CR Adj OCO	FY 2018 Total PB Requests+ with CR Adj OCO	S e c
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1	0408042N	National Defense Sealift Fund	04	7,237	18,622	18,622			U
		Research and Development		7,237	18,622	18,622			
				-----	-----	-----	-----	-----	
	Total National Defense Sealift Fund			7,237	18,622	18,622			

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(Dollars in Thousands)

Line No	Program Element Number	Item	Act	FY 2018	FY 2018	FY 2018	FY 2018	
				Emergency Requests** MDDE + Ship Repairs	Less Enacted Div B P.L.115-96*** FY 2018 Remaining Req Emergency	Total PB Requests* with CR Adj Base + OCO + Emergency**	Less Enacted DIV B P.L.115-96*** MDDE + Ship Repairs	FY 2018 Remaining Req with CR Adj Base + OCO + Emergency
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1	0408042N	National Defense Sealift Fund	04			18,622		18,622
		Research and Development				18,622		18,622
Total National Defense Sealift Fund						18,622		18,622

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Non RDT&E Title
(Dollars in Thousands)

Line	Program Element			FY 2019 Base	FY 2019 OCO	FY 2019 Total	S e c
No	Number	Item	Act				
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1	0408042N	National Defense Sealift Fund	04				U
		Research and Development		-----	-----	-----	
				-----	-----	-----	
Total National Defense Sealift Fund							

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