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**Department of Defense
Fiscal Year (FY) 2021 Budget Estimates**

February 2020



Navy

Justification Book Volume 5 of 5

Other Procurement, Navy

BA 05 – 08

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The estimated cost of this report for the Department of the Navy (DON) is \$19,384.

The estimated total cost for supporting the DON budget justification material is approximately \$2,970,459 for the 2020 fiscal year. This includes \$82,977 in supplies and \$2,887,482 in labor.

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Navy • Budget Estimates FY 2021 • Procurement

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Department of Defense Appropriations Act, 2021

Other Procurement, Navy

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$11,292,044,000, to remain available for obligation until September 30, 2023.

FY 2021 Overseas Contingency Operations funding can be separated into the following categories:

- OCO for Direct War Costs (\$130,526,000): Direct War costs are those combat or direct combat support costs that will not continue to be expended once combat operations end at major contingency locations.
- OCO for Enduring Requirements (\$213,000,000): OCO for Enduring Requirements are enduring in-theater and in-CONUS costs that will likely remain after combat operations cease, and have previously been funded in OCO.

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Department of the Navy
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted
Other Procurement, Navy	9,350,479	10,075,257	75,015	351,250
Total Department of the Navy	9,350,479	10,075,257	75,015	351,250

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation	FY 2020 Total Enacted (Base+Emerg+ OCO)	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs
Other Procurement, Navy	10,501,522	10,948,518		343,526
Total Department of the Navy	10,501,522	10,948,518		343,526

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Department of the Navy
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
Other Procurement, Navy	343,526	11,292,044
Total Department of the Navy	343,526	11,292,044

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: Other Procurement, Navy

Budget Activity	FY 2019 (Base + OCO)	FY 2020 Base Enacted	FY 2020 Emergency	FY 2020 OCO Enacted
01. Ships Support Equipment	3,040,114	3,592,390		5,800
02. Communications & Electronics Equip	3,163,993	3,051,805		310,503
03. Aviation Support Equipment	536,637	666,577	39,295	16,830
04. Ordnance Support Equipment	1,005,000	1,042,658		9,007
05. Civil Engineering Support Equip	129,266	157,880		1,316
06. Supply Support Equipment	604,256	639,641		610
07. Personnel & Command Support Equip	564,711	582,715	35,720	7,184
08. Spares and Repair Parts	306,502	341,591		
Total Other Procurement, Navy	9,350,479	10,075,257	75,015	351,250

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: Other Procurement, Navy

Budget Activity	FY 2020 Total Enacted (Base+Emerg+ OCO)	FY 2021 Base	FY 2021 OCO for Base Requirements	FY 2021 OCO for Direct War and Enduring Costs
01. Ships Support Equipment	3,598,190	3,994,366		22,050
02. Communications & Electronics Equip	3,362,308	3,323,695		213,000
03. Aviation Support Equipment	722,702	673,367		86,413
04. Ordnance Support Equipment	1,051,665	1,172,843		2,124
05. Civil Engineering Support Equip	159,196	149,717		1,394
06. Supply Support Equipment	640,251	693,288		520
07. Personnel & Command Support Equip	625,619	567,047		18,025
08. Spares and Repair Parts	341,591	374,195		
Total Other Procurement, Navy	10,501,522	10,948,518		343,526

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: Other Procurement, Navy

Budget Activity	FY 2021 Total OCO	FY 2021 Total (Base + OCO)
01. Ships Support Equipment	22,050	4,016,416
02. Communications & Electronics Equip	213,000	3,536,695
03. Aviation Support Equipment	86,413	759,780
04. Ordnance Support Equipment	2,124	1,174,967
05. Civil Engineering Support Equip	1,394	151,111
06. Supply Support Equipment	520	693,808
07. Personnel & Command Support Equip	18,025	585,072
08. Spares and Repair Parts		374,195
Total Other Procurement, Navy	343,526	11,292,044

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 Emergency		FY 2020 OCO Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 01: Ships Support Equipment											
Ship Propulsion Equipment											
1	Surface Power Equipment	A	19,196		14,490						U
Generators											
2	Surface Combatant HM&E	A	23,495		66,561						U
Navigation Equipment											
3	Other Navigation Equipment	A	70,270		72,744						U
Other Shipboard Equipment											
4	Sub Periscope, Imaging and Supt Equip Prog	A	179,293		160,803						U
5	DDG Mod	A	452,908		564,966						U
6	Firefighting Equipment	A	28,143		17,547						U
7	Command and Control Switchboard	A	2,248		2,086						U
8	LHA/LHD Midlife	A	31,453		79,563						U
9	Pollution Control Equipment	B	20,883		21,820						U
10	Submarine Support Equipment	A	37,155		44,895						U
11	Virginia Class Support Equipment	A	66,328		28,465						U
12	LCS Class Support Equipment		38,701		23,426						U
13	Submarine Batteries		24,460		22,690						U
14	LPD Class Support Equipment		55,726		46,945						U

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Total Enacted (Base+Emerg+ OCO)	Base	Cost	Quantity	OCO for Base Requirements	Cost	Quantity	OCO for Direct War and Enduring Costs	Cost	S e c	
Budget Activity 01: Ships Support Equipment														
	Ship Propulsion Equipment	A		14,490			11,738						U	
	Generators	A		66,561			58,497						U	
	Navigation Equipment	A		72,744			74,084						U	
	Other Shipboard Equipment													
4	Sub Periscope, Imaging and Supt Equip Prog	A		160,803			204,806						U	
5	DDG Mod	A		564,966			547,569						U	
6	Firefighting Equipment	A		17,547			18,394						U	
7	Command and Control Switchboard	A		2,086			2,374						U	
8	LHA/LHD Midlife	A		79,563			78,265						U	
9	Pollution Control Equipment	B		21,820			23,035						U	
10	Submarine Support Equipment	A		44,895			64,632						U	
11	Virginia Class Support Equipment	A		28,465			22,868						U	
12	LCS Class Support Equipment			23,426			3,976						U	
13	Submarine Batteries			22,690			31,322						U	
14	LPD Class Support Equipment			46,945			50,475						U	

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
-----	-----	-----	-----	-----	-----	-----	-
Budget Activity 01: Ships Support Equipment							
Ship Propulsion Equipment							
1	Surface Power Equipment	A			11,738	U	
Generators							
2	Surface Combatant HM&E	A			58,497	U	
Navigation Equipment							
3	Other Navigation Equipment	A			74,084	U	
Other Shipboard Equipment							
4	Sub Periscope, Imaging and Supt Equip Prog	A			204,806	U	
5	DDG Mod	A			547,569	U	
6	Firefighting Equipment	A			18,394	U	
7	Command and Control Switchboard	A			2,374	U	
8	LHA/LHD Midlife	A			78,265	U	
9	Pollution Control Equipment	B			23,035	U	
10	Submarine Support Equipment	A			64,632	U	
11	Virginia Class Support Equipment	A			22,868	U	
12	LCS Class Support Equipment				3,976	U	
13	Submarine Batteries				31,322	U	
14	LPD Class Support Equipment				50,475	U	

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c -
			(Base + OCO) Quantity	Cost	Base	Enacted	Emergency Quantity	Cost	OCO	Enacted	
15	DDG 1000 Class Support Equipment	A		57,700		8,530					U
16	Strategic Platform Support Equip	A		22,254		14,331					U
17	DSSP Equipment	A		3,629		2,909					U
18	CG Modernization	A		268,509		193,990					U
19	LCAC	A		3,709		3,392					U
20	Underwater EOD Equipment			82,200		71,240			5,800		U
21	Items Less Than \$5 Million	A		122,985		87,857					U
22	Chemical Warfare Detectors	A		2,966		2,961					U
23	Submarine Life Support System	A		6,924		6,635					U
Reactor Plant Equipment											
24	Ship Maintenance, Repair and Modernization	A				1,000,000					U
25	Reactor Power Units	A		346,325		5,340					U
26	Reactor Components	A		496,439		452,692					U
Ocean Engineering											
27	Diving and Salvage Equipment	A		10,706		11,854					U
Small Boats											
28	Standard Boats	A		68,607		67,102					U
Production Facilities Equipment											
29	Operating Forces Ipe	A		284,429		202,238					U

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020			FY 2021			FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	Quantity	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
15	DDG 1000 Class Support Equipment	A		8,530			42,279					U
16	Strategic Platform Support Equip	A		14,331			15,429					U
17	DSSP Equipment	A		2,909			2,918					U
18	CG Modernization	A		193,990			87,978					U
19	LCAC	A		3,392			9,366					U
20	Underwater EOD Equipment			77,040			16,842					U
21	Items Less Than \$5 Million	A		87,857			105,715					U
22	Chemical Warfare Detectors	A		2,961			3,044					U
23	Submarine Life Support System	A		6,635			5,885					U
Reactor Plant Equipment												
24	Ship Maintenance, Repair and Modernization	A		1,000,000			1,260,721					U
25	Reactor Power Units	A		5,340			5,305					U
26	Reactor Components	A		452,692			415,404					U
Ocean Engineering												
27	Diving and Salvage Equipment	A		11,854			11,143					U
Small Boats												
28	Standard Boats	A		67,102			52,371			19,104	U	
Production Facilities Equipment												
29	Operating Forces Ipe	A		202,238			233,667					U

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Cost	
-----	-----	-----	-----	-----	-----	-----	
15	DDG 1000 Class Support Equipment	A			42,279	U	
16	Strategic Platform Support Equip	A			15,429	U	
17	DSSP Equipment	A			2,918	U	
18	CG Modernization	A			87,978	U	
19	LCAC	A			9,366	U	
20	Underwater EOD Equipment				16,842	U	
21	Items Less Than \$5 Million	A			105,715	U	
22	Chemical Warfare Detectors	A			3,044	U	
23	Submarine Life Support System	A			5,885	U	
Reactor Plant Equipment							
24	Ship Maintenance, Repair and Modernization	A			1,260,721	U	
25	Reactor Power Units	A			5,305	U	
26	Reactor Components	A			415,404	U	
Ocean Engineering							
27	Diving and Salvage Equipment	A			11,143	U	
Small Boats							
28	Standard Boats	A	19,104		71,475	U	
Production Facilities Equipment							
29	Operating Forces Ipe	A			233,667	U	

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c
			(Base + OCO) Quantity	Cost	Base	Enacted	Emergency	OCO	Enacted	-----	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-
Other Ship Support											
30	LCS Common Mission Modules Equipment			33,237		38,730					U
31	LCS MCM Mission Modules			98,901		64,789					U
32	LCS ASW Mission Modules					24,617					U
33	LCS SUW Mission Modules			13,025		14,598					U
34	LCS In-Service Modernization	A		62,526		85,714					U
35	Small & Medium UUV	A				25,601					U
Logistic Support											
36	LSD Midlife & Modernization			4,784		40,269					U
Total Ships Support Equipment				3,040,114		3,592,390					5,800
Budget Activity 02: Communications & Electronics Equip											
Ship Sonars											
37	SPQ-9B Radar	A		19,179		21,664					U
38	AN/SQQ-89 Surf ASW Combat System	A		114,344		121,966					U
39	SSN Acoustic Equipment	A		331,338		367,620					U
40	Undersea Warfare Support Equipment	A		10,134		8,967					U
ASW Electronic Equipment											
41	Submarine Acoustic Warfare System	A		21,615		22,331					U
42	SSTD	A		4,777		12,439					U

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	Quantity	Cost	e c	
Other Ship Support														
30	LCS Common Mission Modules Equipment				38,730		39,714						U	
31	LCS MCM Mission Modules				64,789		218,822						U	
32	LCS ASW Mission Modules				24,617		61,759						U	
33	LCS SUW Mission Modules				14,598		24,412						U	
34	LCS In-Service Modernization	A			85,714		121,848						U	
35	Small & Medium UUV	A			25,601		67,709				2,946	U		
Logistic Support														
36	LSD Midlife & Modernization				40,269								U	
Total Ships Support Equipment				-----	-----	-----	-----	-----	-----	-----	-----	-----	22,050	
Budget Activity 02: Communications & Electronics Equip														
Ship Sonars														
37	SPQ-9B Radar	A			21,664		27,517						U	
38	AN/SQQ-89 Surf ASW Combat System	A			121,966		128,664						U	
39	SSN Acoustic Equipment	A			367,620		374,737						U	
40	Undersea Warfare Support Equipment	A			8,967		9,286						U	
ASW Electronic Equipment														
41	Submarine Acoustic Warfare System	A			22,331		26,066						U	
42	SSTD	A			12,439		13,241						U	

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
	-----	-----	-----	-----	-----	-----	-
Other Ship Support							
30	LCS Common Mission Modules Equipment				39,714	U	
31	LCS MCM Mission Modules				218,822	U	
32	LCS ASW Mission Modules				61,759	U	
33	LCS SUW Mission Modules				24,412	U	
34	LCS In-Service Modernization	A			121,848	U	
35	Small & Medium UUV	A	2,946		70,655	U	
Logistic Support							
36	LSD Midlife & Modernization					U	
Total Ships Support Equipment			22,050		4,016,416		
Budget Activity 02: Communications & Electronics Equip							
Ship Sonars							
37	SPQ-9B Radar	A		27,517	U		
38	AN/SQQ-89 Surf ASW Combat System	A		128,664	U		
39	SSN Acoustic Equipment	A		374,737	U		
40	Undersea Warfare Support Equipment	A		9,286	U		
ASW Electronic Equipment							
41	Submarine Acoustic Warfare System	A		26,066	U		
42	SSTD	A		13,241	U		

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c -
			(Base + OCO) Quantity	Cost	Base	Enacted	Emergency	OCO	Enacted	-----	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
43	Fixed Surveillance System	A	293,731		128,441				310,503		U
44	SURTASS	A		56,873		21,923					U
Electronic Warfare Equipment											
45	AN/SLQ-32	A		366,147		340,706					U
Reconnaissance Equipment											
46	Shipboard IW Exploit	A		218,103		188,486					U
47	Automated Identification System (AIS)			4,000		5,368					U
Other Ship Electronic Equipment											
48	Cooperative Engagement Capability	B		39,076		30,452					U
49	Naval Tactical Command Support System (NTCSS)	A		11,391		15,154					U
50	ATDLS	A		29,822		52,753					U
51	Navy Command and Control System (NCCS)			3,769		3,390					U
52	Minesweeping System Replacement	A		32,367		19,448					U
53	Shallow Water MCM	B		8,616		8,730					U
54	Navstar GPS Receivers (SPACE)	A		10,703		23,294					U
55	American Forces Radio and TV Service	A		2,626		2,617					U
56	Strategic Platform Support Equip	A		9,467		7,973					U
Aviation Electronic Equipment											
57	Ashore ATC Equipment	A		70,849		71,037					U
58	Afloat ATC Equipment	A		47,890		63,279					U

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	Total Enacted (Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	Quantity	Cost	e c	
43	Fixed Surveillance System	A		438,944		193,446					213,000		U	
44	SURTASS	A		21,923		63,838							U	
Electronic Warfare Equipment														
45	AN/SLQ-32	A		340,706		387,195							U	
Reconnaissance Equipment														
46	Shipboard IW Exploit	A		188,486		235,744							U	
47	Automated Identification System (AIS)				5,368			3,862					U	
Other Ship Electronic Equipment														
48	Cooperative Engagement Capability	B		30,452		26,006							U	
49	Naval Tactical Command Support System (NTCSS)	A		15,154		15,385							U	
50	ATDLS	A		52,753		103,835							U	
51	Navy Command and Control System (NCCS)				3,390			3,594					U	
52	Minesweeping System Replacement	A		19,448		15,744							U	
53	Shallow Water MCM	B		8,730		5,493							U	
54	Navstar GPS Receivers (SPACE)	A		23,294		38,043							U	
55	American Forces Radio and TV Service	A		2,617		2,592							U	
56	Strategic Platform Support Equip	A		7,973		7,985							U	
Aviation Electronic Equipment														
57	Ashore ATC Equipment	A		71,037		83,475							U	
58	Afloat ATC Equipment	A		63,279		65,113							U	

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
-----	-----	-----	-----	-----	-----	-----	
43	Fixed Surveillance System	A		213,000		406,446	U
44	SURTASS	A				63,838	U
Electronic Warfare Equipment							
45	AN/SLQ-32	A				387,195	U
Reconnaissance Equipment							
46	Shipboard IW Exploit	A				235,744	U
47	Automated Identification System (AIS)					3,862	U
Other Ship Electronic Equipment							
48	Cooperative Engagement Capability	B				26,006	U
49	Naval Tactical Command Support System (NTCSS)	A				15,385	U
50	ATDLS	A				103,835	U
51	Navy Command and Control System (NCCS)					3,594	U
52	Minesweeping System Replacement	A				15,744	U
53	Shallow Water MCM	B				5,493	U
54	Navstar GPS Receivers (SPACE)	A				38,043	U
55	American Forces Radio and TV Service	A				2,592	U
56	Strategic Platform Support Equip	A				7,985	U
Aviation Electronic Equipment							
57	Ashore ATC Equipment	A				83,475	U
58	Afloat ATC Equipment	A				65,113	U

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 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 Emergency		FY 2020 OCO Enacted		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
59	ID Systems	A		22,777		25,506					U
60	Joint Precision Approach And Landing System (38,094		85,445					U
61	Naval Mission Planning Systems	A		11,966		15,296					U
Other Shore Electronic Equipment											
62	Maritime Integrated Broadcast System										U
63	Tactical/Mobile C4I Systems	A		42,666		33,419					U
64	DCGS-N	A		10,219		18,677					U
65	CANES			404,891		409,571					U
66	RADIAC	A		8,175		6,450					U
67	CANES-Intell			53,465		52,713					U
68	GPETE	A		5,985		12,214					U
69	MASF			6,223		5,193					U
70	Integ Combat System Test Facility	A		6,251		6,028					U
71	EMI Control Instrumentation	A		4,183		4,209					U
72	Items Less Than \$5 Million	A		143,089		153,334					U
Shipboard Communications											
73	Shipboard Tactical Communications	A		43,196		47,811					U
74	Ship Communications Automation	A		109,152		128,728					U
75	Communications Items Under \$5M	A		37,308		29,486					U

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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	Quantity	Cost	OCO for Direct War and Enduring Costs	S e c	
59	ID Systems	A		25,506			23,815						U	
60	Joint Precision Approach And Landing System (85,445			100,751						U	
61	Naval Mission Planning Systems	A		15,296			13,947						U	
Other Shore Electronic Equipment														
62	Maritime Integrated Broadcast System						1,375						U	
63	Tactical/Mobile C4I Systems	A		33,419			22,771						U	
64	DCGS-N	A		18,677			18,872						U	
65	CANES			409,571			389,585						U	
66	RADIAC	A		6,450			10,335						U	
67	CANES-Intell			52,713			48,654						U	
68	GPETE	A		12,214			8,133						U	
69	MASF			5,193			4,150						U	
70	Integ Combat System Test Facility	A		6,028			5,934						U	
71	EMI Control Instrumentation	A		4,209			4,334						U	
72	Items Less Than \$5 Million	A		153,334			159,815						U	
Shipboard Communications														
73	Shipboard Tactical Communications	A		47,811			56,106						U	
74	Ship Communications Automation	A		128,728			124,288						U	
75	Communications Items Under \$5M	A		29,486			45,120						U	

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 Total Obligational Authority
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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Cost	
-----	-----	-----	-----	-----	-----	-----	
59	ID Systems	A			23,815	U	
60	Joint Precision Approach And Landing System (100,751	U	
61	Naval Mission Planning Systems	A			13,947	U	
Other Shore Electronic Equipment							
62	Maritime Integrated Broadcast System				1,375	U	
63	Tactical/Mobile C4I Systems	A			22,771	U	
64	DCGS-N	A			18,872	U	
65	CANES				389,585	U	
66	RADIAC	A			10,335	U	
67	CANES-Intell				48,654	U	
68	GPETE	A			8,133	U	
69	MASF				4,150	U	
70	Integ Combat System Test Facility	A			5,934	U	
71	EMI Control Instrumentation	A			4,334	U	
72	Items Less Than \$5 Million	A			159,815	U	
Shipboard Communications							
73	Shipboard Tactical Communications	A			56,106	U	
74	Ship Communications Automation	A			124,288	U	
75	Communications Items Under \$5M	A			45,120	U	

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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c
			Quantity	(Base + OCO) Cost	Base	Enacted	Emergency	OCO	Enacted	Quantity	
Submarine Communications											
76	Submarine Broadcast Support	A		25,752		50,833					U
77	Submarine Communication Equipment	A		71,190		60,794					U
Satellite Communications											
78	Satellite Communications Systems	A		41,902		45,084					U
79	Navy Multiband Terminal (NMT)			108,985		76,715					U
Shore Communications											
80	Joint Communications Support Element (JCSE)	A		4,292		4,293					U
Cryptographic Equipment											
81	Info Systems Security Program (ISSP)	A		150,099		166,540					U
82	MIO Intel Exploitation Team	A		988		968					U
Cryptologic Equipment											
83	Cryptologic Communications Equip	A		31,994		13,090					U
Other Electronic Support											
84	Navy METOC-1	A		231							U
85	NAVY METOC-4	A		231							U
86	DON UAS 1	A		3,158							U
87	DON UAS 2	A		2,305							U
88	DON ACTS	A		3,090							U
89	DON UAS Video 5 (Afloat)	A		4,376							U

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Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	Quantity	Cost	S e c	
Submarine Communications														
76	Submarine Broadcast Support	A		50,833			31,133						U	
77	Submarine Communication Equipment	A		60,794			62,214						U	
Satellite Communications														
78	Satellite Communications Systems	A		45,084			47,421						U	
79	Navy Multiband Terminal (NMT)			76,715			64,552						U	
Shore Communications														
80	Joint Communications Support Element (JCSE)	A		4,293			4,398						U	
Cryptographic Equipment														
81	Info Systems Security Program (ISSP)	A		166,540			157,551						U	
82	MIO Intel Exploitation Team	A		968			985						U	
Cryptologic Equipment														
83	Cryptologic Communications Equip	A		13,090			15,906						U	
Other Electronic Support														
84	Navy METOC-1	A											U	
85	NAVY METOC-4	A											U	
86	DON UAS 1	A											U	
87	DON UAS 2	A											U	
88	DON ACTS	A											U	
89	DON UAS Video 5 (Afloat)	A											U	

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Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
-----	-----	-----	-----	-----	-----	-----	
Submarine Communications							
76	Submarine Broadcast Support	A			31,133	U	
77	Submarine Communication Equipment	A			62,214	U	
Satellite Communications							
78	Satellite Communications Systems	A			47,421	U	
79	Navy Multiband Terminal (NMT)				64,552	U	
Shore Communications							
80	Joint Communications Support Element (JCSE)	A			4,398	U	
Cryptographic Equipment							
81	Info Systems Security Program (ISSP)	A			157,551	U	
82	MIO Intel Exploitation Team	A			985	U	
Cryptologic Equipment							
83	Cryptologic Communications Equip	A			15,906	U	
Other Electronic Support							
84	Navy METOC-1	A			U		
85	NAVY METOC-4	A			U		
86	DON UAS 1	A			U		
87	DON UAS 2	A			U		
88	DON ACTS	A			U		
89	DON UAS Video 5 (Afloat)	A			U		

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 Emergency		FY 2020 OCO Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
90	Coast Guard Equipment	A	40,649		61,370						U
Drug Interdiction Support											
91	Other Drug Interdiction Support	A	20,294								U
Total Communications & Electronics Equip											
			3,163,993		3,051,805					310,503	
Budget Activity 03: Aviation Support Equipment											
Sonobuoys											
92	Sonobuoys - All Types	A	237,347		310,644				2,910	U	
Aircraft Support Equipment											
93	Minotaur	A			5,000					U	
94	Weapons Range Support Equipment	A	92,664		101,843					U	
95	Aircraft Support Equipment	A	105,693		135,211		39,295		13,420	U	
96	Advanced Arresting Gear (AAG)	A	11,054		4,725					U	
97	Meteorological Equipment	A	21,437		12,407					U	
98	DCRS/DPL	A	656							U	
99	Legacy Airborne MCM	A	11,299		15,998					U	
100	Lamps Equipment		594		792					U	
101	Aviation Support Equipment	A	37,874		62,389				500	U	
102	UMCS-Unman Carrier Aviation(UCA)Mission Cntrl	A	18,019		17,568					U	
Total Aviation Support Equipment											
			536,637		666,577		39,295		16,830		

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021	
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	S e c	
90	Coast Guard Equipment	A		61,370			70,689					U
	Drug Interdiction Support											
91	Other Drug Interdiction Support	A										U
	Total Communications & Electronics Equip				3,362,308		3,323,695					213,000
	Budget Activity 03: Aviation Support Equipment											
	Sonobuoys											
92	Sonobuoys - All Types	A		313,554			237,639			26,196		U
	Aircraft Support Equipment											
93	Minotaur	A		5,000			5,077					U
94	Weapons Range Support Equipment	A		101,843			83,969					U
95	Aircraft Support Equipment	A		187,926			187,758			60,217		U
96	Advanced Arresting Gear (AAG)	A		4,725			16,059					U
97	Meteorological Equipment	A		12,407			15,192					U
98	DCRS/DPL	A										U
99	Legacy Airborne MCM	A		15,998			6,674					U
100	Lamps Equipment			792			1,189					U
101	Aviation Support Equipment	A		62,889			58,873					U
102	UMCS-Unman Carrier Aviation(UCA)Mission Cntrl	A		17,568			60,937					U
	Total Aviation Support Equipment			722,702			673,367					86,413

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 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Cost	
-----	-----	-----	-----	-----	-----	-----	
90	Coast Guard Equipment	A			70,689	U	
Drug Interdiction Support							
91	Other Drug Interdiction Support	A				U	
Total Communications & Electronics Equip							
			213,000		3,536,695		
Budget Activity 03: Aviation Support Equipment							
Sonobuoys							
92	Sonobuoys - All Types	A	26,196		263,835	U	
Aircraft Support Equipment							
93	Minotaur	A			5,077	U	
94	Weapons Range Support Equipment	A			83,969	U	
95	Aircraft Support Equipment	A	60,217		247,975	U	
96	Advanced Arresting Gear (AAG)	A			16,059	U	
97	Meteorological Equipment	A			15,192	U	
98	DCRS/DPL	A				U	
99	Legacy Airborne MCM	A			6,674	U	
100	Lamps Equipment				1,189	U	
101	Aviation Support Equipment	A			58,873	U	
102	UMCS-Unman Carrier Aviation(UCA)Mission Cntrl	A			60,937	U	
Total Aviation Support Equipment							
			86,413		759,780		

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 Total Obligational Authority
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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 Emergency		FY 2020 OCO Enacted		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 04: Ordnance Support Equipment											
Ship Gun System Equipment											
103	Ship Gun Systems Equipment	A	5,337		5,451					U	
Ship Missile Systems Equipment											
104	Harpoon Support Equipment	A								U	
105	Ship Missile Support Equipment	A	194,258		208,326					U	
106	Tomahawk Support Equipment	A	86,045		59,436					U	
FBM Support Equipment											
107	Strategic Missile Systems Equip	A	253,579		258,933					U	
ASW Support Equipment											
108	SSN Combat Control Systems	A	133,651		143,678					U	
109	ASW Support Equipment	A	21,309		18,181					U	
Other Ordnance Support Equipment											
110	Explosive Ordnance Disposal Equip	B	41,838		15,244				9,007	U	
111	Items Less Than \$5 Million	A	5,378		5,071					U	
Other Expendable Ordnance											
112	Anti-Ship Missile Decoy System	A			38,462					U	
113	Submarine Training Device Mods	A	56,834		67,229					U	

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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Total Enacted (Base+Emerg+ OCO)	Cost	Quantity	FY 2021 Base	Cost	OCO for Base Requirements	Quantity	Cost	OCO for Direct War and Enduring Costs	S e c	
Budget Activity 04: Ordnance Support Equipment														
	Ship Gun System Equipment	A		5,451			5,540						U	
103	Ship Gun Systems Equipment	A		5,451			5,540						U	
	Ship Missile Systems Equipment	A					208						U	
104	Harpoon Support Equipment	A					208						U	
105	Ship Missile Support Equipment	A		208,326			262,077						U	
106	Tomahawk Support Equipment	A		59,436			84,087						U	
	FBM Support Equipment	A											U	
107	Strategic Missile Systems Equip	A		258,933			258,910						U	
	ASW Support Equipment	A											U	
108	SSN Combat Control Systems	A		143,678			173,770						U	
109	ASW Support Equipment	A		18,181			26,584						U	
	Other Ordnance Support Equipment	A											U	
110	Explosive Ordnance Disposal Equip	B		24,251			7,470				2,124		U	
111	Items Less Than \$5 Million	A		5,071			6,356						U	
	Other Expendable Ordnance	A											U	
112	Anti-Ship Missile Decoy System	A		38,462			86,356						U	
113	Submarine Training Device Mods	A		67,229			69,240						U	

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 Total Obligational Authority
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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
-----	-----	-----	-----	-----	-----	-----	
Budget Activity 04: Ordnance Support Equipment							
Ship Gun System Equipment							
103	Ship Gun Systems Equipment	A			5,540	U	
Ship Missile Systems Equipment							
104	Harpoon Support Equipment	A			208	U	
105	Ship Missile Support Equipment	A			262,077	U	
106	Tomahawk Support Equipment	A			84,087	U	
FBM Support Equipment							
107	Strategic Missile Systems Equip	A			258,910	U	
ASW Support Equipment							
108	SSN Combat Control Systems	A			173,770	U	
109	ASW Support Equipment	A			26,584	U	
Other Ordnance Support Equipment							
110	Explosive Ordnance Disposal Equip	B	2,124		9,594	U	
111	Items Less Than \$5 Million	A			6,356	U	
Other Expendable Ordnance							
112	Anti-Ship Missile Decoy System	A			86,356	U	
113	Submarine Training Device Mods	A			69,240	U	

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c -
			Quantity	(Base + OCO) Cost	Base	Enacted	Emergency	OCO	Enacted	S e c -	
114	Surface Training Equipment	A		206,771		222,647					U
	Total Ordnance Support Equipment			-----		-----					9,007
Budget Activity 05: Civil Engineering Support Equip											
Civil Engineering Support Equipment											
115	Passenger Carrying Vehicles	A		5,037		4,562					173 U
116	General Purpose Trucks	A		2,474		9,474					408 U
117	Construction & Maintenance Equip	A		24,022		43,191					U
118	Fire Fighting Equipment	A		17,984		11,376					735 U
119	Tactical Vehicles	B		27,222		32,004					U
120	Amphibious Equipment	A		6,176							U
121	Pollution Control Equipment	A		2,713		2,633					U
122	Items less than \$5 Million	A		42,498		53,467					U
123	Physical Security Vehicles	A		1,140		1,173					U
	Total Civil Engineering Support Equip			-----	129,266	-----	157,880				1,316
Budget Activity 06: Supply Support Equipment											
Supply Support Equipment											
124	Supply Equipment	A		17,386		16,730					100 U
125	First Destination Transportation	A		6,499		5,389					510 U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020			FY 2021			FY 2021			
			Quantity	Total Enacted (Base+Emerg+ OCO)	Cost	Quantity	Base	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	S e c	
114	Surface Training Equipment	A		222,647			192,245					U
				-----			-----		-----	-----		
	Total Ordnance Support Equipment			1,051,665			1,172,843				2,124	
<hr/>												
Budget Activity 05: Civil Engineering Support Equip												
<hr/>												
Civil Engineering Support Equipment												
115	Passenger Carrying Vehicles	A		4,735			6,123				177	U
116	General Purpose Trucks	A		9,882			2,693				416	U
117	Construction & Maintenance Equip	A		43,191			47,301					U
118	Fire Fighting Equipment	A		12,111			10,352				801	U
119	Tactical Vehicles	B		32,004			31,475					U
120	Amphibious Equipment	A										U
121	Pollution Control Equipment	A		2,633			2,630					U
122	Items less than \$5 Million	A		53,467			47,972					U
123	Physical Security Vehicles	A		1,173			1,171					U
	Total Civil Engineering Support Equip			159,196			149,717				1,394	
<hr/>												
Budget Activity 06: Supply Support Equipment												
<hr/>												
Supply Support Equipment												
124	Supply Equipment	A		16,830			19,693					U
125	First Destination Transportation	A		5,899			4,956				520	U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
114	Surface Training Equipment	A			192,245	U	
	Total Ordnance Support Equipment			2,124		1,174,967	
	Budget Activity 05: Civil Engineering Support Equip						
	Civil Engineering Support Equipment						
115	Passenger Carrying Vehicles	A		177	6,300	U	
116	General Purpose Trucks	A		416	3,109	U	
117	Construction & Maintenance Equip	A			47,301	U	
118	Fire Fighting Equipment	A		801	11,153	U	
119	Tactical Vehicles	B			31,475	U	
120	Amphibious Equipment	A				U	
121	Pollution Control Equipment	A			2,630	U	
122	Items less than \$5 Million	A			47,972	U	
123	Physical Security Vehicles	A			1,171	U	
	Total Civil Engineering Support Equip			1,394		151,111	

Budget Activity 06: Supply Support Equipment

124	Supply Equipment	A		19,693 U
125	First Destination Transportation	A	520	5,476 U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019		FY 2020		FY 2020		FY 2020		S e c -
			Quantity	(Base + OCO) Cost	Base	Enacted	Emergency	OCO	Enacted	Quantity	
126	Special Purpose Supply Systems	A		580,371		617,522					U
	Total Supply Support Equipment			604,256		639,641					610
<hr/>											
Budget Activity 07: Personnel & Command Support Equip											
<hr/>											
Training Devices											
127	Training Support Equipment	A		3,400		3,633					U
128	Training and Education Equipment	A		20,511		87,471					U
Command Support Equipment											
129	Command Support Equipment	A		68,736		56,102		35,720		2,800	U
130	Medical Support Equipment	A		17,127		10,633				1,794	U
132	Naval MIP Support Equipment	A		5,784		6,097					U
133	Operating Forces Support Equipment	A		16,281		16,905				1,090	U
134	C4ISR Equipment	A		3,576		25,831					U
135	Environmental Support Equipment	A		33,856		21,986				200	U
136	Physical Security Equipment	A		225,979		160,046				1,300	U
137	Enterprise Information Technology	A		21,445		54,833					U
Other											
140	Next Generation Enterprise Service	A		127,535		122,832					U

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Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	Quantity	Cost	OCO for Direct War and Enduring Costs	S e c	
126	Special Purpose Supply Systems	A		617,522			668,639						U	
	Total Supply Support Equipment			640,251			693,288						520	
<hr/>														
Budget Activity 07: Personnel & Command Support Equip														
<hr/>														
Training Devices														
127	Training Support Equipment	A		3,633			4,026						U	
128	Training and Education Equipment	A		87,471			73,454				11,500		U	
Command Support Equipment														
129	Command Support Equipment	A		94,622			32,390						U	
130	Medical Support Equipment	A		12,427			974				3,525		U	
132	Naval MIP Support Equipment	A		6,097			5,606						U	
133	Operating Forces Support Equipment	A		17,995			16,024						U	
134	C4ISR Equipment	A		25,831			6,697						U	
135	Environmental Support Equipment	A		22,186			27,503						U	
136	Physical Security Equipment	A		161,346			138,281				3,000		U	
137	Enterprise Information Technology	A		54,833			42,680						U	
Other														
140	Next Generation Enterprise Service	A		122,832			184,443						U	

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021		FY 2021		S e c -
			Total OCO	Quantity	Total (Base + OCO)	Quantity	
126	Special Purpose Supply Systems	A			668,639	U	
					-----	-----	
	Total Supply Support Equipment			520	693,808		
	Budget Activity 07: Personnel & Command Support Equip						
	Training Devices						
127	Training Support Equipment	A			4,026	U	
128	Training and Education Equipment	A		11,500	84,954	U	
	Command Support Equipment						
129	Command Support Equipment	A			32,390	U	
130	Medical Support Equipment	A		3,525	4,499	U	
132	Naval MIP Support Equipment	A			5,606	U	
133	Operating Forces Support Equipment	A			16,024	U	
134	C4ISR Equipment	A			6,697	U	
135	Environmental Support Equipment	A			27,503	U	
136	Physical Security Equipment	A		3,000	141,281	U	
137	Enterprise Information Technology	A			42,680	U	
	Other						
140	Next Generation Enterprise Service	A			184,443	U	

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Department of the Navy
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
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 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO)		FY 2020 Base Enacted		FY 2020 Emergency		FY 2020 OCO Enacted		S e c -
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
		A									
141	Cyberspace Activities										U
999	Classified Programs			20,481		16,346					U
	Total Personnel & Command Support Equip			564,711		582,715		35,720		7,184	
	Budget Activity 08: Spares and Repair Parts										
	Spares and Repair Parts										
142	Spares and Repair Parts	A		306,502		341,591					U
	Total Spares and Repair Parts			306,502		341,591					
	Total Other Procurement, Navy			9,350,479		10,075,257		75,015		351,250	

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 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2020				FY 2021				FY 2021			
			Quantity	Cost	(Base+Emerg+ OCO)	Base	Quantity	Cost	OCO for Base Requirements	OCO for Direct War and Enduring Costs	Quantity	Cost	e c	s -
141	Cyberspace Activities	A				16,523								U
999	Classified Programs			16,346		18,446								U
	Total Personnel & Command Support Equip			625,619		567,047							18,025	
	Budget Activity 08: Spares and Repair Parts													
	Spares and Repair Parts													
142	Spares and Repair Parts	A		341,591		374,195								U
	Total Spares and Repair Parts			341,591		374,195								
	Total Other Procurement, Navy			10,501,522		10,948,518							343,526	

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Department of the Navy
 FY 2021 President's Budget
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 Total Obligational Authority
 (Dollars in Thousands)

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	FY 2021			FY 2021		
		Ident Code	Total OCO	Quantity	Cost	Total (Base + OCO)	e c
-----	-----	-----	-----	-----	-----		
141	Cyberspace Activities	A			16,523	U	
999	Classified Programs				18,446	U	
	Total Personnel & Command Support Equip		18,025		585,072		
	Budget Activity 08: Spares and Repair Parts						
	Spares and Repair Parts						
142	Spares and Repair Parts	A			374,195	U	
	Total Spares and Repair Parts		-----		374,195		
	Total Other Procurement, Navy		343,526		11,292,044		

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5	01	09	0900	DDG Mod.....	Volume 1 - 163
6	01	09	0910	Firefighting Equipment.....	Volume 1 - 243
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10	01	09	0941	Submarine Support Equipment.....	Volume 1 - 345
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12	01	09	0944	LCS Class Support Equipment.....	Volume 1 - 369
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14	01	09	0946	LPD Class Support Equipment.....	Volume 1 - 389
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20	01	09	0977	Underwater EOD Equipment.....	Volume 1 - 495
21	01	09	0981	Items less than \$5 Million.....	Volume 1 - 519
22	01	09	0989	Chemical Warfare Detectors.....	Volume 1 - 561
23	01	09	0990	Submarine Life Support System.....	Volume 1 - 589
24	01	10	1000	Ship Maintenance, Repair and Modernization.....	Volume 1 - 597
25	01	10	1010	Reactor Power Units.....	Volume 1 - 603
26	01	10	1020	Reactor Components.....	Volume 1 - 607
27	01	11	1130	Diving and Salvage Equipment.....	Volume 1 - 611
28	01	12	1210	Standard Boats.....	Volume 1 - 627
29	01	14	1445	Operating Forces IPE.....	Volume 1 - 641
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43	02	03	2225	Fixed Surveillance System.....	Volume 2 - 125
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51	02	07	2618	Navy Command and Control System (NCCS).....	Volume 2 - 273
52	02	07	2622	Minesweeping System Replacement.....	Volume 2 - 281
53	02	07	2624	Shallow Water MCM.....	Volume 2 - 293
54	02	07	2657	NAVSTAR GPS Receivers (Space).....	Volume 2 - 303
55	02	07	2666	American Forces Radio and TV Service (AFRTS).....	Volume 2 - 317
56	02	07	2676	Strategic Platform Support Equip.....	Volume 2 - 325
57	02	09	2820	Ashore ATC Equipment.....	Volume 2 - 329
58	02	09	2830	Afloat ATC Equipment.....	Volume 2 - 385
59	02	09	2851	ID Systems.....	Volume 2 - 429
60	02	09	2867	Joint Precision Approach and Landing System(JPALS).....	Volume 2 - 465
61	02	09	2876	Naval Mission Planning Systems.....	Volume 2 - 471
62	02	10	2900	Maritime Integrated Broadcast System.....	Volume 2 - 479
63	02	10	2906	Tactical/Mobile C4I Systems.....	Volume 2 - 493
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69	02	10	2950	Network Tactical Common Data Link (CDL).....	Volume 2 - 577
70	02	10	2960	Integ Combat System Test Facility.....	Volume 2 - 585
71	02	10	2970	EMI Control Instrumentation.....	Volume 2 - 589
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75	02	11	3057	Communications Items under \$5M.....	Volume 2 - 669
76	02	12	3107	Submarine Broadcast Support.....	Volume 2 - 685
77	02	12	3130	Submarine Communication Equipment.....	Volume 2 - 689
78	02	13	3215	Satellite Communications Systems.....	Volume 2 - 693
79	02	13	3216	Navy Multiband Terminal (NMT).....	Volume 2 - 709
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81	02	15	3415	Info Systems Security Program (ISSP).....	Volume 2 - 731
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Adv Tact Data Link Sys (ATDLS)	2614	50	02	07.....	Volume 2 - 261
Advanced Arresting Gear (AAG)	4217	96	03	03.....	Volume 3 - 89
Afloat ATC Equipment	2830	58	02	09.....	Volume 2 - 385
Aircraft Support Equipment	4213	95	03	03.....	Volume 3 - 31
American Forces Radio and TV Service (AFRTS)	2666	55	02	07.....	Volume 2 - 317
Amphibious Equipment	6033	120	05	01.....	Volume 5 - 59
Anti-ship Missile Decoy System	5530	112	04	07.....	Volume 4 - 153
Ashore ATC Equipment	2820	57	02	09.....	Volume 2 - 329
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Common Control System	4250	100	03	03.....	Volume 3 - 129
Communications Items under \$5M	3057	75	02	11.....	Volume 2 - 669
Construction & Maint Equip	6024	117	05	01.....	Volume 5 - 27
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Deep Subm Sys Proj (DSSP) Equip	0955	17	01	09.....	Volume 1 - 453
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Naval Mission Planning Systems	2876	61	02	09.....	Volume 2 - 471
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Line Item Title	Line Item Number	Line #	BA	BSA	Page
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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:										
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					6003 / Passenger Carrying Vehicles										
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A							
Line Item MDAP/MAIS Code: N/A															
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total			
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Cost (\$ in Millions)	0.034	5.037	4.735	6.123	0.177	6.300	4.422	4.678	4.850	4.770	Continuing	Continuing			
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Net Procurement (P-1) (\$ in Millions)	0.034	5.037	4.735	6.123	0.177	6.300	4.422	4.678	4.850	4.770	Continuing	Continuing			
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Obligation Authority (\$ in Millions)	0.034	5.037	4.735	6.123	0.177	6.300	4.422	4.678	4.850	4.770	Continuing	Continuing			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-			
Description:															
This budget line item funds procurement of passenger-carrying vehicles consisting of buses, automobiles, ambulances, and sport utility vehicles (SUVs), and carryall passenger vans up to 9200 lbs. Gross Vehicle Weight Rating (GVWR). These vehicles are utilized by Naval Operating Forces and Shore Activities for essential transportation of personnel in the execution of official Navy business.															
Buses procured range from 20 to 66 passenger school buses, shuttle buses, intercity buses, and ambulance buses, which provide the most cost-effective means to transport large groups of personnel between various locations. Buses are used to transport sailors/airmen and reserve personnel for flight/ship logistic related assignments, mandatory military training and exercises, and for transportation of personnel between administrative areas, ships/airfields, and industrial areas on a daily basis (both scheduled and intermittent).															
Automobiles are used to transport small groups of personnel, on and off base, for various work related activities. Law enforcement automobiles provide essential transportation services to insure optimum responsiveness in support of DOD intelligence and base security missions. They are used in Naval intelligence, investigative and surveillance operations, security patrols, and other law enforcement activities.															
Ambulances are used by the Medical Corps at Navy hospitals, clinics, and by Naval Expeditionary Medical Command Units. Modular ambulances are used for emergency transport of personnel where emergency medical services are provided in route. Field ambulances provide the same emergency service, with the four-wheel drive capability to access off-road remote sites in support of field units. Patient transport are used for transporting stabilized patients to specialized care/other medical facilities. Ambulance conversion/MEDEVAC buses have the capability to transport a combination of ambulatory and/or stretcher-borne patients.															
Sport utility vehicles are utilized to transport both personnel and/or small loads of cargo, such as supplies, materials, and equipment. Carryall passenger vans are used for transporting sailors, flight crews, maintenance, and civilian personnel to work sites or for other mission related activities.															

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020																																										
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles																																													
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A																																											
Line Item MDAP/MAIS Code: N/A																																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Exhibits Schedule</th> <th>Prior Years</th> <th>FY 2019</th> <th>FY 2020</th> <th>FY 2021 Base</th> <th>FY 2021 OCO</th> <th>FY 2021 Total</th> </tr> <tr> <th>Exhibit Type</th> <th>Title*</th> <th>Subexhibits</th> <th>ID CD</th> <th>MDAP/MAIS Code</th> <th>Quantity / Total Cost (Each) / (\$ M)</th> </tr> </thead> <tbody> <tr> <td>P-40a</td> <td>Passenger Carrying Vehicles</td> <td>P-5a</td> <td></td> <td></td> <td>- / 0.034</td> <td>- / 5.037</td> <td>- / 4.735</td> <td>- / 6.123</td> <td>- / 0.177</td> <td>- / 6.300</td> </tr> <tr> <td>P-40</td> <td>Total Gross/Weapon System Cost</td> <td></td> <td></td> <td></td> <td>- / 0.034</td> <td>- / 5.037</td> <td>- / 4.735</td> <td>- / 6.123</td> <td>- / 0.177</td> <td>- / 6.300</td> </tr> </tbody> </table>								Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	P-40a	Passenger Carrying Vehicles	P-5a			- / 0.034	- / 5.037	- / 4.735	- / 6.123	- / 0.177	- / 6.300	P-40	Total Gross/Weapon System Cost				- / 0.034	- / 5.037	- / 4.735	- / 6.123	- / 0.177	- / 6.300
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total																																								
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P-40	Total Gross/Weapon System Cost				- / 0.034	- / 5.037	- / 4.735	- / 6.123	- / 0.177	- / 6.300																																							
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>																																																	
<p>Justification: The funds requested in FY 2021 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy. Increase in funding is due to a higher amount of vehicles in the replacement cycle in FY2021 which have met/exceeded their service life, as well as recapitalization and EMP hardening for mission essential equipment in support of Strategic Communications Wing One and its Ground Mobile Logistics Mission in support of E-6B TACAMO operations away from primary operating bases.</p>																																																	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles									Aggregated Items Title: Passenger Carrying Vehicles						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Buses																				
1.1) 332A 44 PASSENGER CARRYING BUS ^(†)	A		-	-	-	121,489.00	3	0.364	123,919.00	6	0.744	127,397.00	3	0.382	-	-	-	127,397.00	3	0.382
1.2) BUS 24 PASSENGER DED ^(†)	A		-	-	-	-	-	-	-	-	-	158,551.00	2	0.317	-	-	-	158,551.00	2	0.317
1.3) BUS BOC 20 PASSENGER RHD ^(†)	A		-	-	-	-	-	-	76,000.00	1	0.076	78,540.00	2	0.157	-	-	-	78,540.00	2	0.157
1.4) BUS BOC 25 PASSENGER RHD ^(†)	A		-	-	-	63,240.00	1	0.063	64,505.00	1	0.065	65,795.00	1	0.066	-	-	-	65,795.00	1	0.066
1.5) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV) ^(†)	A		-	-	-	-	-	-	124,039.00	2	0.248	126,520.00	2	0.253	-	-	-	126,520.00	2	0.253
Subtotal: 1) Buses			-	-	0.000		-	-	0.427	-	-	1.133	-	-	1.175	-	-	-	-	1.175
2) Automobiles																				
2.1) SEDAN AUTO ^(†)	A		-	-	-	37,866.00	11	0.417	-	-	-	-	0.000	44,250.00	4	0.177	44,250.00	4	0.177	
2.2) SEDAN COMPACT 5 PASSENGER 4 DOOR AC ^(†)	A		-	-	-	22,950.00	6	0.138	-	-	-	23,877.00	5	0.119	-	-	-	23,877.00	5	0.119
2.3) SEDAN COMPACT 5 PASSENGER 4 DOOR RHD ^(†)	A		-	-	-	32,640.00	2	0.065	33,193.00	12	0.398	-	-	-	-	-	-	-	-	
2.4) SEDAN MIDSIZE (SURVEILLANCE), 5 PASS 4 DOOR UNMARKED RHD ^(†)	A		-	-	-	-	-	-	40,000.00	2	0.080	-	-	-	-	-	-	-	-	
2.5) SEDAN MIDSIZE 5 PASSENGER 4 DOOR RHD ^(†)	A		-	-	-	-	-	-	35,000.00	3	0.105	-	-	-	-	-	-	-	-	
Subtotal: 2) Automobiles			-	-	0.000		-	-	0.620	-	-	0.583	-	-	0.119	-	-	0.177	-	0.296
3) Ambulances																				
3.1) AMBULANCE BUS CONV FC 8-12L R/LOAD NONSTANDARD RHD ^(†)	A		-	-	-	64,000.00	1	0.064	-	-	-	-	-	-	-	-	-	-	-	
3.2) TRUCK AMB VAN CONV 4X2	A		-	-	-	71,400.00	2	0.143	72,828.00	6	0.437	-	-	-	-	-	-	-	-	

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles									Aggregated Items Title: Passenger Carrying Vehicles						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
2 LITTER RHD JAPAN ^(†)																				
3.3) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	-	-	92,984.00	2	0.186	-	-	-	92,984.00	2	0.186	
3.4) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER (AFV) ^(†)	A		-	-	-	-	-	-	-	-	119,185.00	2	0.238	-	-	-	119,185.00	2	0.238	
3.6) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER (AFV) ^(†)	A		-	-	-	-	-	-	-	-	70,245.00	1	0.070	-	-	-	70,245.00	1	0.070	
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	-	-	70,735.00	1	0.071	-	-	-	70,735.00	1	0.071	
Subtotal: 3) Ambulances			-	-	0.000	-	-	0.207	-	-	0.437	-	-	0.565	-	-	-	-	0.565	
4) Utility and Carryall Trucks																				
4.1) 100L SUV, POLICE USE, 4 DOOR ^(†)	A		-	-	-	26,500.00	1	0.027	-	-	-	-	-	-	-	-	-	-	-	
4.2) 101 SUV FULLSIZE, 4 DOOR, 8 PASS, 4X2, MIN 7K GVWR ^(†)	A		-	-	-	38,000.00	1	0.038	-	-	-	-	-	-	-	-	-	-	-	
4.3) 100A, SPORT UTILITY VEHICLE 4X2 MIDSIZE ^(†)	A		-	-	-	26,500.00	3	0.080	-	-	29,592.00	9	0.266	-	-	-	29,592.00	9	0.266	
4.4) 105A, SPORT UTILITY VEHICLE 4X4 MIDSIZE ^(†)	A		-	-	-	29,000.00	5	0.145	29,350.00	7	0.205	29,777.00	7	0.208	-	-	-	29,777.00	7	0.208
4.5) 105B, SPORT UTILITY VEHICLE 4X4 MIDSIZE ^(†)	A		-	-	-	34,721.00	10	0.347	34,915.00	14	0.489	35,613.00	2	0.071	-	-	-	35,613.00	2	0.071
4.6) 106, SPORT UTILITY VEHICLE 4X4 ^(†)	A		-	-	-	35,922.00	3	0.108	-	-	37,373.00	3	0.112	-	-	-	37,373.00	3	0.112	
4.7) 20, TRUCK VAN COMPACT 4X2 ^(†)	A		-	-	-	-	-	-	-	-	21,142.00	3	0.063	-	-	-	21,142.00	3	0.063	

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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
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4.8) 21, TRUCK VAN 8 PASSENGER 4X2(†)	A		-	-	-	-	-	-	-	-	24,713.00	3	0.074	-	-	-	24,713.00	3	0.074	
4.9) 22, TRUCK VAN 12 PASSENGER 4X2(†)	A		-	-	-	-	-	-	-	-	25,447.00	5	0.127	-	-	-	25,447.00	5	0.127	
4.10) 24, TRUCK VAN 15 PASSENGER 4X2(†)	A		-	-	-	26,119.00	8	0.209	26,541.00	11	0.292	27,014.00	9	0.243	-	-	-	27,014.00	9	0.243
4.11) 24, TRUCK VAN 7 PASSENGER 4X2(†)	A		-	-	-	-	-	28,900.00	12	0.347	29,478.00	9	0.265	-	-	-	29,478.00	9	0.265	
4.12) 24X, TRUCK VAN 15 PASSENGER AWD(†)	A		-	-	-	28,000.00	1	0.028	28,560.00	6	0.171	29,131.00	11	0.320	-	-	-	29,131.00	11	0.320
4.13) SPORT UTILITY VEHICLE 4X2(†)	A		-	-	-	-	-	42,656.00	4	0.171	43,509.00	4	0.174	-	-	-	43,509.00	4	0.174	
4.14) SPORT UTILITY VEHICLE 4X2 COMPACT TO 5400 GVWR(†)	A		-	-	-	22,000.00	10	0.220	-	-	-	-	-	-	-	-	-	-	-	
4.15) SPORT UTILITY VEHICLE 4X2 LARGE 8501 GVWR AND UP (CLASS IV)(†)	A		-	-	-	30,500.00	10	0.305	31,110.00	6	0.187	-	-	-	-	-	-	-	-	
4.16) SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)(†)	A		-	-	-	-	-	25,000.00	2	0.050	-	-	-	-	-	-	-	-	-	
4.17) SPORT UTILITY VEHICLE 4X2 UP TO 8500 GVWR NON STANDARD(†)	A		-	-	-	-	-	-	-	-	28,000.00	3	0.084	-	-	-	28,000.00	3	0.084	
4.18) SPORT UTILITY VEHICLE 4X4(†)	A		-	-	-	36,975.00	21	0.776	-	-	-	38,469.00	2	0.077	-	-	-	38,469.00	2	0.077
4.19) SPORT UTILITY VEHICLE 4X4 LARGE 8501 GVWR AND UP (CLASS IV)(†)	A		-	-	-	32,000.00	10	0.320	-	-	-	33,293.00	9	0.300	-	-	-	33,293.00	9	0.300
4.20) SPORT UTILITY VEHICLE 4X4 MIDSIZE 5401-6799 GVWR (CLASS III)(†)	A		-	-	-	28,560.00	3	0.086	-	-	-	29,714.00	5	0.149	-	-	-	29,714.00	5	0.149

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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
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4.21) SPORT UTILITY VEHICLE 4X4 RHD ^(t)	A		-	-	-	48,960.00	5	0.245	-	-	-	50,938.00	3	0.153	-	-	-	50,938.00	3	0.153
4.22) SPORT UTILITY VEHICLE 4X4 TO 8500 GVWR LAW ENFORCEMENT ^(t)	A		-	-	-	32,000.00	6	0.192	-	-	-	35,000.00	2	0.070	-	-	-	35,000.00	2	0.070
4.24) TRUCK VAN COMPACT FORWARD CONTROL 7 PASSENGER 4X2 6000 GVWR ^(t)	A		-	-	-	-	-	-	28,050.00	4	0.112	-	-	-	-	-	-	-	-	-
4.25) TRUCK VAN F/C 15 PASS 8501 GVWR AND UP ^(t)	A		-	-	-	-	-	-	-	-	-	30,000.00	3	0.090	-	-	-	30,000.00	3	0.090
4.26) TRUCK VAN F/C 15 PASSENGER 8500 GVW (AFV) ^(t)	A		-	-	-	28,854.00	15	0.433	-	-	-	30,020.00	12	0.360	-	-	-	30,020.00	12	0.360
4.27) TRUCK VAN F/C 8 PASSENGER 6000 GVW (AFV) ^(t)	A		-	-	-	-	-	-	-	-	-	22,887.00	4	0.092	-	-	-	22,887.00	4	0.092
4.28) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE ^(t)	A		-	-	-	-	-	-	-	-	-	30,894.00	4	0.124	-	-	-	30,894.00	4	0.124
4.29) TRUCK VAN FORWARD CONTROL 15 PASSENGER 4X2 8501 AND UP GVWR ^(t)	A		-	-	-	-	-	-	-	-	-	25,000.00	9	0.225	-	-	-	25,000.00	9	0.225
4.30) TRUCK VAN 15 PASSENGER 4X4 8501 GVWR AND UP ^(t)	A		-	-	-	-	-	-	-	-	-	40,000.00	8	0.320	-	-	-	40,000.00	8	0.320
4.31) TRUCK VAN FORWARD CONTROL 8 PASSENGER 4X2 TO 8500 GVWR ^(t)	A		-	-	-	21,930.00	2	0.044	22,369.00	4	0.089	-	-	-	-	-	-	-	-	-
4.32) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER ^(t)	A		-	-	-	-	-	-	41,000.00	3	0.123	-	-	-	-	-	-	-	-	-
4.33) TRUCK VAN FORWARD	A		-	-	-	50,000.00	3	0.150	52,100.00	2	0.104	53,142.00	3	0.159	-	-	-	53,142.00	3	0.159

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1						P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles								Aggregated Items Title: Passenger Carrying Vehicles						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)		
CONTROL 8-12 PASSENGER 4X2 ^(t)																				
4.34) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER RHD ^(t)	A		-	-	-	-	-	-	29,231.00	8	0.234	29,300.00	4	0.117	-	-	-	29,300.00	4	0.117
<i>Subtotal: 4) Utility and Carryall Trucks</i>			-	-	0.000	-	-	3.753	-	-	2.574	-	-	4.243	-	-	-	-	4.243	
5) Support Costs																				
5.1) ILS Support Cost	A		-	-	0.034	-	-	0.030	-	-	0.008	-	-	0.021	-	-	-	-	0.021	
<i>Subtotal: 5) Support Costs</i>			-	-	0.034	-	-	0.030	-	-	0.008	-	-	0.021	-	-	-	-	0.021	
Total			-	-	0.034	-	-	5.037	-	-	4.735	-	-	6.123	-	-	-	-	6.300	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(t) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items: Passenger Carrying Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Buses												
1.1) 332A 44 PASSENGER CARRYING BUS		2019	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Mar 2020	Sep 2020	3	121,489.00	Y		
1.1) 332A 44 PASSENGER CARRYING BUS		2020	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Mar 2020	Sep 2020	6	123,919.00	Y		
1.1) 332A 44 PASSENGER CARRYING BUS		2021	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Jan 2021	Jul 2021	3	127,397.00	Y		
1.2) BUS 24 PASSENGER DED		2021	Unknown / Unknown	C / FP	** NO PCO **	Feb 2021	Aug 2021	2	158,551.00	Y		
1.3) BUS BOC 20 PASSENGER RHD		2020	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Apr 2020	Oct 2020	1	76,000.00	Y		
1.3) BUS BOC 20 PASSENGER RHD		2021	UNKNOWN / UNKNOWN	C / TBD	FEAD Yokosuka	Feb 2021	Aug 2021	2	78,540.00	Y		
1.4) BUS BOC 25 PASSENGER RHD		2019	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Mar 2020	Sep 2020	1	63,240.00	Y		
1.4) BUS BOC 25 PASSENGER RHD		2020	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Apr 2020	Oct 2020	1	64,505.00	Y		
1.4) BUS BOC 25 PASSENGER RHD		2021	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	May 2021	Nov 2021	1	65,795.00	Y		
1.5) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV)		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	2	124,039.00	Y		
1.5) BUS MOTOR BOC 36 PASSENGER 4X2 DED AUTOMATIC (AFV)		2021	Unknown / Unknown	MIPR	GSA	Feb 2021	Aug 2021	2	126,520.00	Y		
2) Automobiles												
2.1) SEDAN AUTO		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	11	37,866.00	Y		
2.1) SEDAN AUTO	✓	2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Mar 2021	4	44,250.00	Y		
2.2) SEDAN COMPACT 5 PASSENGER 4 DOOR AC		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	6	22,950.00	Y		
2.2) SEDAN COMPACT 5 PASSENGER 4 DOOR AC		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	5	23,877.00	Y		
2.3) SEDAN COMPACT 5 PASSENGER 4 DOOR RHD		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	2	32,640.00	Y		
2.3) SEDAN COMPACT 5 PASSENGER 4 DOOR RHD		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	7	33,193.00	Y		
2.3) SEDAN COMPACT 5 PASSENGER 4 DOOR RHD	✓	2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	5	33,193.00	Y		
2.4) SEDAN MIDSIZE (SURVEILLANCE), 5 PASS 4 DOOR UNMARKED RHD		2020	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Apr 2020	Oct 2020	2	40,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items: Passenger Carrying Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.5) SEDAN MIDSIZE 5 PASSENGER 4 DOOR RHD		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	3	35,000.00	Y		
3) Ambulances												
3.1) AMBULANCE BUS CONV FC 8-12L R/LOAD NONSTANDARD RHD		2019	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2020	Mar 2021	1	64,000.00	Y		
3.2) TRUCK AMB VAN CONV 4X2 2 LITTER RHD JAPAN		2019	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2020	Sep 2020	2	71,400.00	Y		
3.2) TRUCK AMB VAN CONV 4X2 2 LITTER RHD JAPAN		2020	Unknown / Unknown	C / FP	FEAD Yokosuka	Mar 2020	Sep 2020	6	72,828.00	Y		
3.3) TRUCK AMBULANCE FIELD COM 4 LITTER 4X4 RIGHT HAND DRIVE		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	May 2021	Nov 2021	2	92,984.00	Y		
3.4) TRUCK AMBULANCE MODULAR BODY 4X4 2 LITTER (AFV)		2021	Unknown / Unknown	MIPR	GSA	Jan 2021	Jul 2021	2	119,185.00	Y		
3.6) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER (AFV)		2021	Unknown / Unknown	MIPR	GSA	Feb 2021	Aug 2021	1	70,245.00	Y		
3.7) TRUCK AMBULANCE VAN CONVERSION COM 2 LITTER RIGHT HAND DRIVE		2021	UNKNOWN / UNKNOWN	C / FP	FEAD Yokosuka	Apr 2021	Oct 2021	1	70,735.00	Y		
4) Utility and Carryall Trucks												
4.1) 100L SUV, POLICE USE, 4 DOOR		2019	FCA US/AUBURN HILLS, MI / Auburn Hills, MI	MIPR	GSA	Jan 2019	Jul 2019	1	26,500.00	Y		
4.2) 101 SUV FULLSIZE, 4 DOOR, 8 PASS, 4X2, MIN 7K GVWR		2019	GM MOTORS / Detroit, MI	MIPR	GSA	Jan 2019	Jul 2019	1	38,000.00	Y		
4.3) 100A, SPORT UTILITY VEHICLE 4X2 MIDSIZE		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	3	26,500.00	Y		
4.3) 100A, SPORT UTILITY VEHICLE 4X2 MIDSIZE		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	9	29,592.00	Y		
4.4) 105A, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2019	FCA US/AUBURN HILLS, MI / Auburn Hills, MI	MIPR	GSA	Jan 2019	Jul 2019	5	29,000.00	Y		
4.4) 105A, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	7	29,350.00	Y		
4.4) 105A, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2021	Unknown / Unknown	MIPR	GSA	Feb 2021	Aug 2021	7	29,777.00	Y		
4.5) 105B, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	10	34,721.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items: Passenger Carrying Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.5) 105B, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	14	34,915.00	Y		
4.5) 105B, SPORT UTILITY VEHICLE 4X4 MIDSIZE		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Apr 2021	Oct 2021	2	35,613.00	Y		
4.6) 106, SPORT UTILITY VEHICLE 4X4		2019	FCA US/AUBURN HILLS, MI / Auburn Hills, MI	MIPR	GSA	Dec 2018	Jun 2019	1	35,922.00	Y		
4.6) 106, SPORT UTILITY VEHICLE 4X4	✓	2019	FCA US/AUBURN HILLS, MI / Auburn Hills, MI	MIPR	GSA	Dec 2019	Jun 2020	2	35,922.00	Y		
4.6) 106, SPORT UTILITY VEHICLE 4X4		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	3	37,373.00	Y		
4.7) 20, TRUCK VAN COMPACT 4X2		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2021	Aug 2021	3	21,142.00	Y		
4.8) 21, TRUCK VAN 8 PASSENGER 4X2		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2021	Aug 2021	3	24,713.00	Y		
4.9) 22, TRUCK VAN 12 PASSENGER 4X2		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2021	Aug 2021	5	25,447.00	Y		
4.10) 24, TRUCK VAN 15 PASSENGER 4X2		2019	GM MOTORS / Detroit, MI	MIPR	GSA	Jan 2019	Jul 2019	8	26,119.00	Y		
4.10) 24, TRUCK VAN 15 PASSENGER 4X2		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	11	26,541.00	Y		
4.10) 24, TRUCK VAN 15 PASSENGER 4X2		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Oct 2021	9	27,014.00	Y		
4.11) 24, TRUCK VAN 7 PASSENGER 4X2		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Apr 2020	Apr 2020	12	28,900.00	Y		
4.11) 24, TRUCK VAN 7 PASSENGER 4X2		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Jan 2021	Jan 2021	9	29,478.00	Y		
4.12) 24X, TRUCK VAN 15 PASSENGER AWD		2019	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	1	28,000.00	Y		
4.12) 24X, TRUCK VAN 15 PASSENGER AWD		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	6	28,560.00	Y		
4.12) 24X, TRUCK VAN 15 PASSENGER AWD		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	11	29,131.00	Y		
4.13) SPORT UTILITY VEHICLE 4X2		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	4	42,656.00	Y		
4.13) SPORT UTILITY VEHICLE 4X2		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	4	43,509.00	Y		
4.14) SPORT UTILITY VEHICLE 4X2 COMPACT TO 5400 GVWR		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	10	22,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items: Passenger Carrying Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.15) SPORT UTILITY VEHICLE 4X2 LARGE 8501 GVWR AND UP (CLASS IV)		2019	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	10	30,500.00	Y		
4.15) SPORT UTILITY VEHICLE 4X2 LARGE 8501 GVWR AND UP (CLASS IV)		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	6	31,110.00	Y		
4.16) SPORT UTILITY VEHICLE 4X2 MIDSIZE 5401-6799 GVWR (CLASS III)		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Mar 2020	2	25,000.00	Y		
4.17) SPORT UTILITY VEHICLE 4X2 UP TO 8500 GVWR NON STANDARD		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2021	Aug 2021	3	28,000.00	Y		
4.18) SPORT UTILITY VEHICLE 4X4		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	21	36,975.00	Y		
4.18) SPORT UTILITY VEHICLE 4X4		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	2	38,469.00	Y		
4.19) SPORT UTILITY VEHICLE 4X4 LARGE 8501 GVWR AND UP (CLASS IV)		2019	Ford Motor Company / Dearborn, MI	MIPR	GSA	Jan 2019	Apr 2019	10	32,000.00	Y		
4.19) SPORT UTILITY VEHICLE 4X4 LARGE 8501 GVWR AND UP (CLASS IV)		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Oct 2021	9	33,293.00	Y		
4.20) SPORT UTILITY VEHICLE 4X4 MIDSIZE 5401-6799 GVWR (CLASS III)		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	3	28,560.00	Y		
4.20) SPORT UTILITY VEHICLE 4X4 MIDSIZE 5401-6799 GVWR (CLASS III)		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	5	29,714.00	Y		
4.21) SPORT UTILITY VEHICLE 4X4 RHD		2019	TOYOTA MOTOR CO / Bunkyo-Ku, Japan	C / FP	FEAD Yokosuka	Jan 2019	Jul 2019	3	48,960.00	Y		
4.21) SPORT UTILITY VEHICLE 4X4 RHD	✓	2019	TOYOTA MOTOR CO / Bunkyo-Ku, Japan	C / FP	FEAD Yokosuka	Jan 2019	Jul 2019	2	48,960.00	Y		
4.21) SPORT UTILITY VEHICLE 4X4 RHD		2021	Unknown / Unknown	C / FP	FEAD Yokosuka	Feb 2021	Aug 2021	3	50,938.00	Y		
4.22) SPORT UTILITY VEHICLE 4X4 TO 8500 GVWR LAW ENFORCEMENT		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	6	32,000.00	Y		
4.22) SPORT UTILITY VEHICLE 4X4 TO 8500 GVWR LAW ENFORCEMENT		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	2	35,000.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles					Aggregated Items: Passenger Carrying Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.24) TRUCK VAN COMPACT FORWARD CONTROL 7 PASSENGER 4X2 6000 GVWR		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Oct 2020	4	28,050.00	Y		
4.25) TRUCK VAN F/C 15 PASS 8501 GVWR AND UP		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	3	30,000.00	Y		
4.26) TRUCK VAN F/C 15 PASSENGER 8500 GVW (AFV)		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Sep 2020	15	28,854.00	Y		
4.26) TRUCK VAN F/C 15 PASSENGER 8500 GVW (AFV)		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Sep 2021	12	30,020.00	Y		
4.27) TRUCK VAN F/C 8 PASSENGER 6000 GVW (AFV)		2021	Unknown / Unknown	Various	Various	Mar 2021	Sep 2021	4	22,887.00	Y		
4.28) TRUCK VAN F/C 8 PASSENGER RIGHT HAND DRIVE		2021	Unknown / Unknown	C / FP	Various	Apr 2021	Oct 2021	4	30,894.00	Y		
4.29) TRUCK VAN FORWARD CONTROL 15 PASSENGER 4X2 8501 AND UP GVWR		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	9	25,000.00	Y		
4.30) TRUCK VAN 15 PASSENGER 4X4 8501 GVWR AND UP		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Apr 2021	8	40,000.00	Y		
4.31) TRUCK VAN FORWARD CONTROL 8 PASSENGER 4X2 TO 8500 GVWR		2019	Unknown / Unknown	C / FP	FEAD Yokosuka	Apr 2020	Oct 2020	2	21,930.00	Y		
4.31) TRUCK VAN FORWARD CONTROL 8 PASSENGER 4X2 TO 8500 GVWR		2020	Unknown / Unknown	C / FP	FEAD Yokosuka	Apr 2020	Oct 2020	4	22,369.00	Y		
4.32) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Apr 2020	Apr 2020	3	41,000.00	Y		
4.33) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER 4X2		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2021	3	50,000.00	Y		
4.33) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER 4X2		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2021	2	52,100.00	Y		
4.33) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER 4X2		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Apr 2022	3	53,142.00	Y		
4.34) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER RHD		2020	Unknown / Unknown	MIPR	FEAD Yokosuka	Apr 2020	Oct 2020	8	29,231.00	Y		
4.34) TRUCK VAN FORWARD CONTROL 8-12 PASSENGER RHD		2021	Unknown / Unknown	MIPR	FEAD Yokosuka	Mar 2021	Sep 2021	4	29,300.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6003 / Passenger Carrying Vehicles	Aggregated Items: Passenger Carrying Vehicles

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					P-1 Line Item Number / Title: 6007 / General Purpose Trucks												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A									
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total					
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)	0.000	2.474	9.882	2.693	0.416	3.109	2.942	2.541	11.269	11.635	Continuing	Continuing					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) (\$ in Millions)	0.000	2.474	9.882	2.693	0.416	3.109	2.942	2.541	11.269	11.635	Continuing	Continuing					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)	0.000	2.474	9.882	2.693	0.416	3.109	2.942	2.541	11.269	11.635	Continuing	Continuing					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-					
Description: The FY 2021 funding request was reduced by \$0.315 million to account for the availability of prior year execution balances.																	
This budget line item procures various sizes of cargo pickup/stake trucks, maintenance utility vans/trucks, and panel/cargo vans/trucks of commercial design. These vehicles are used by Naval Operating Forces and Shore Activities.																	
Cargo pickup trucks are used to transport personnel and required equipment, on and off base, in support of fleet operations where such mobility is necessary to support the mission. The maintenance utility vans/trucks are used to transport tools/materials necessary for maintenance personnel performing facility maintenance. Panel vans and multi-stop trucks are used primarily for the movement of material/equipment requiring protection in an enclosed van-type body. Stake trucks are used to move palletized material/equipment from warehouses to job sites/users at various locations.																	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6007 / General Purpose Trucks						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	General Purpose Trucks	P-5a			- / 0.000	- / 2.474	- / 9.882	- / 2.693	- / 0.416	- / 3.109
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 2.474	- / 9.882	- / 2.693	- / 0.416	- / 3.109

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY 2021 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy. \$8.312M decrease in funding is due to a delay in recapitalization of transportation assets and construction equipment.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6007 / General Purpose Trucks									Aggregated Items Title: General Purpose Trucks						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) Utility Trucks																				
1.1) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED ^(†)	A		-	-	-	19,735.00	10	0.197	20,236.00	10	0.202	-	-	-	-	-	-	-		
Subtotal: 1) Utility Trucks			-	-	0.000		-	0.197		0.202		-	-	-	-	-	-	-		
2) Cargo Trucks																				
2.1) 129F, TRUCK STAKE 8501 AND UP GVWR CREW CAB 4X4 ^(†)	A		-	-	-	54,818.00	9	0.493	55,914.00	8	0.447	-	-	-	-	-	-	-		
2.2) 34X, TRUCK CARGO 4X4 8501 AND UP GVWR ^(†)	A		-	-	-	41,815.00	8	0.335	-	-	-	-	-	-	-	-	-	-		
2.3) 41, TRUCK CARGO PICKUP 4X2 5800 GVWR COMPACT ^(†)	A		-	-	-	-	-	-	-	-	22,205.00	9	0.200	-	-	22,205.00	9	0.200		
2.4) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR AND UP 8 FT BED CREW CAB ^(†)	A		-	-	-	24,008.00	12	0.288	24,488.00	1	0.024	24,978.00	1	0.025	-	-	24,978.00	1	0.025	
2.5) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR CREW CAB ^(†)	A		-	-	-	23,528.00	8	0.188	23,999.00	20	0.480	-	-	-	-	-	-	-		
2.6) 55, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB ^(†)	A		-	-	-	23,889.00	8	0.191	24,367.00	20	0.487	-	-	-	-	-	-	-		
2.7) 55C, TRUCK CARGO PICKUP 4X4 5800 GVWR COMPACT ^(†)	A		-	-	-	-	-	-	-	-	24,417.00	12	0.293	-	-	24,417.00	12	0.293		
2.8) 57A, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB ^(†)	A		-	-	-	28,761.00	8	0.230	29,236.00	40	1.169	-	-	-	-	-	-	-		
2.9) ILS for CARGO TRUCKS	A		-	-	-	-	-	0.026	-	-	0.030	-	-	0.070	-	-	-	0.070		
2.11) TRUCK CARGO PICKUP COMPACT 4X2 4000 GVWR RHD ^(†)	A		-	-	-	-	-	-	12,000.00	17	0.204	-	-	0.000	37,818.00	11	0.416	37,818.00	11	0.416

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6007 / General Purpose Trucks								Aggregated Items Title: General Purpose Trucks							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
2.14) TRUCK PANEL FORWARD CONTROL 6000 GVWR RHD ^(†)	A		-	-	-	21,591.00	15	0.324	22,023.00	6	0.132	-	-	-	-	-	-	-	-	
2.15) TRUCK, MULTI-STOP DELIVERY 14000 GVRW AND UP DUALLY ^{(†)(‡)}	A		-	-	-	44,718.00	2	0.089	45,630.00	4	0.183	46,543.00	4	0.186	-	-	46,543.00	4	0.186	
2.16) TRUCK CARGO PICK-UP 4X4 8501-9999 CREW CAB ^(†)	A		-	-	-	-	-	-	35,490.00	2	0.071	36,200.00	3	0.109	-	-	36,200.00	3	0.109	
2.17) TRUCK CARGO PICKUP UP TO 8500 GVWR REGULAR CAB ^(†)	A		-	-	-	-	-	-	19,418.00	11	0.214	19,806.00	11	0.218	-	-	19,806.00	11	0.218	
2.18) TRUCK CARGO PICKUP 4X4 UP TO 8500 GVWR CREW CAB ^(†)	A		-	-	-	-	-	-	24,336.00	1	0.024	24,823.00	3	0.074	-	-	24,823.00	3	0.074	
2.19) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB ^(†)	A		-	-	-	-	-	-	24,133.00	43	1.038	-	-	-	-	-	-	-	-	
2.20) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR CREW CAB ^(†)	A		-	-	-	-	-	-	25,705.00	4	0.103	26,219.00	4	0.105	-	-	26,219.00	4	0.105	
2.21) TRUCK CARGO PICKUP 4X2 8501-9999 GVR CREW CAB ^(†)	A		-	-	-	-	-	-	25,857.00	17	0.440	26,374.00	9	0.237	-	-	26,374.00	9	0.237	
2.22) TRUCK PANEL VAN 4X2 6001-8500 GVWR ^(†)	A		-	-	-	-	-	-	21,548.00	4	0.086	21,979.00	4	0.088	-	-	21,979.00	4	0.088	
2.23) TRUCK PANEL VAN COMPACT 4X2 UP TO 6000 GVWR ^(†)	A		-	-	-	-	-	-	30,741.00	2	0.061	31,356.00	2	0.063	-	-	31,356.00	2	0.063	
2.24) TRUCK STAKE 4X2 8501-16000 GVWR REGULAR CAB ^(†)	A		-	-	-	-	-	-	26,415.00	30	0.792	-	-	-	-	-	-	-	-	
2.25) TRUCK MULTISTOP STEP	A		-	-	-	-	-	-	41,270.00	10	0.413	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6007 / General Purpose Trucks									Aggregated Items Title: General Purpose Trucks						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
VAN 8501-13999 GVWR ^(†)																				
2.26) TRUCK STAKE 4X2 8501-16000 GVWR REGULAR CAB DUALLY ^(†)	A		-	-	-	-	-	-	27,074.00	4	0.108	27,615.00	4	0.110	-	-	-	27,615.00	4	0.110
2.27) TRUCK VAN FORWARD CONTROL HI-CUBE 8501 GVWR AND UP ^(†)	A		-	-	-	-	-	-	41,574.00	6	0.249	42,405.00	6	0.254	-	-	-	42,405.00	6	0.254
2.28) TRUCK CARGO PICKUP COMPACT 4X4 REGULAR CAB RHD ^(†)	A		-	-	-	-	-	-	18,000.00	1	0.018	18,360.00	1	0.018	-	-	-	18,360.00	1	0.018
2.29) TRUCK PANEL MINI-COMPACT F/C GED JAPAN ^(†)	A		-	-	-	-	-	-	8,416.00	24	0.202	-	-	-	-	-	-	-	-	-
2.30) TRUCK PANEL F/C GED 6000 GVW JAPAN ^(†)	A		-	-	-	-	-	-	18,252.00	19	0.347	-	-	-	-	-	-	-	-	-
2.31) TRUCK STAKE 8501 GVWR AND UP RHD ^(†)	A		-	-	-	-	-	-	34,983.00	4	0.140	35,683.00	4	0.143	-	-	-	35,683.00	4	0.143
2.32) TRUCK PANEL MINI-COMPACT F/C GED JAPAN / LOW SPEED VEHICLE 4 PASSENGER ^(†)	A		-	-	-	-	-	-	18,774.00	2	0.038	19,149.00	1	0.019	-	-	-	19,149.00	1	0.019
2.33) TRUCK CARGO PICKUP 9000 GVWR CREW CAB RHD ^(†)	A		-	-	-	-	-	-	27,378.00	31	0.849	-	-	-	-	-	-	-	-	-
2.34) TRUCK PANEL VAN MINI-COMPACT 4X4 RHD ^(†)	A		-	-	-	-	-	-	11,154.00	1	0.011	11,377.00	1	0.011	-	-	-	11,377.00	1	0.011
2.35) TRUCK PANEL VAN UP TO 8500 GVWR 4X4 RHD ^(†)	A		-	-	-	-	-	-	27,378.00	1	0.027	27,926.00	1	0.028	-	-	-	27,926.00	1	0.028
2.36) TRUCK CARGO PICKUP 4X4 9200 GVWR CREW CAB RHD ^(†)	A		-	-	-	-	-	-	39,543.00	4	0.158	40,334.00	4	0.161	-	-	-	40,334.00	4	0.161
2.37) TRUCK CARGO PICKUP COMP 4000 GVW JAPAN ^(†)	A		-	-	-	-	-	-	16,296.00	8	0.130	16,622.00	8	0.133	-	-	-	16,622.00	8	0.133

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6007 / General Purpose Trucks								Aggregated Items Title: General Purpose Trucks							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
2.38) TRUCK STAKE 4X4 8501-16000 GVWR RHD ^(†)	A		-	-	-	-	-	-	36,504.00	2	0.073	37,234.00	2	0.074	-	-	-	37,234.00	2	0.074
2.39) TRUCK CARGO PICKUP COMPACT 4X4 UP TO 6100 GVWR CREW CAB ^(†)	A		-	-	-	37,762.00	3	0.113	38,532.00	18	0.694	-	-	-	-	-	-	-	-	-
2.40) TRUCK CARGO PICKUP COMPACT 4X2 5800 GVWR 4FT BED CREW CAB ^(†)	A		-	-	-	-	-	-	23,529.00	7	0.165	-	-	-	-	-	-	-	-	-
2.41) TRUCK STAKE 8501 GVWR AND UP 8 FT BED REG CAB 4X2 ^(†)	A		-	-	-	-	-	-	31,566.00	1	0.032	32,197.00	1	0.032	-	-	-	32,197.00	1	0.032
2.42) TRUCK MULTISTOP DELIVERY 14000 GVWR AND UP ^(†)	A		-	-	-	-	-	-	41,321.00	1	0.041	42,147.00	1	0.042	-	-	-	42,147.00	1	0.042
Subtotal: 2) Cargo Trucks			-	-	0.000	-	-	2.277	-	-	9.680	-	-	2.693	-	-	0.416	-	-	3.109
Total			-	-	0.000	-	-	2.474	-	-	9.882	-	-	2.693	-	-	0.416	-	-	3.109

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(¹) Cost elements 2.16 thru 2.43 are items that were formerly procured via NWCF and have shifted to OPN.

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Utility Trucks												
1.1) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Aug 2020	10	19,735.00	Y		
1.1) TRUCK, UTILITY GROUNDS MAINTENANCE, 6X4, DED		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Aug 2020	10	20,236.00	Y		
2) Cargo Trucks												
2.1) 129F, TRUCK STAKE 8501 AND UP GVWR CREW CAB 4X4		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Oct 2020	9	54,818.00	Y		
2.1) 129F, TRUCK STAKE 8501 AND UP GVWR CREW CAB 4X4		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Oct 2020	1	55,914.00	Y		
2.1) 129F, TRUCK STAKE 8501 AND UP GVWR CREW CAB 4X4	✓	2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Oct 2020	7	55,914.00	Y		
2.2) 34X, TRUCK CARGO 4X4 8501 AND UP GVWR		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	8	41,815.00	Y		
2.3) 41, TRUCK CARGO PICKUP 4X2 5800 GVWR COMPACT		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Feb 2021	Aug 2021	9	22,205.00	Y		
2.4) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR AND UP 8 FT BED CREW CAB		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	12	24,008.00	Y		
2.4) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR AND UP 8 FT BED CREW CAB		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	1	24,488.00	Y		
2.4) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR AND UP 8 FT BED CREW CAB		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2021	Sep 2021	1	24,978.00	Y		
2.5) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR CREW CAB		2019	Unknown / Unknown	MIPR	GSA	Apr 2020	Apr 2021	8	23,528.00	Y		
2.5) 49B, TRUCK CARGO PICKUP 4X4 8501 GVWR CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Apr 2021	20	23,999.00	Y		
2.6) 55, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	8	23,889.00	Y		
2.6) 55, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	20	24,367.00	Y		
2.7) 55C, TRUCK CARGO PICKUP 4X4 5800 GVWR COMPACT		2021	UNKNOWN / UNKNOWN	MIPR	GSA	Apr 2021	Oct 2021	12	24,417.00	Y		
2.8) 57A, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB		2019	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	8	28,761.00	Y		
2.8) 57A, TRUCK CARGO PICKUP 4X4 8501 GVWR UP CREW CAB		2020	UNKNOWN / UNKNOWN	MIPR	GSA	Mar 2020	Sep 2020	40	29,236.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.11) TRUCK CARGO PICKUP COMPACT 4X2 4000 GVWR RHD		2020	Unknown / Unknown	MIPR	FEAD Yokosuka	Apr 2020	Oct 2020	17	12,000.00	Y		
2.11) TRUCK CARGO PICKUP COMPACT 4X2 4000 GVWR RHD	✓	2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	11	37,818.00	N		
2.14) TRUCK PANEL FORWARD CONTROL 6000 GVWR RHD		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2021	15	21,591.00	Y		
2.14) TRUCK PANEL FORWARD CONTROL 6000 GVWR RHD		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2021	6	22,023.00	Y		
2.15) TRUCK, MULTI-STOP DELIVERY 14000 GVRW AND UP DUALLY ⁽¹⁾		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	2	44,718.00	Y		
2.15) TRUCK, MULTI-STOP DELIVERY 14000 GVRW AND UP DUALLY ⁽¹⁾		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	4	45,630.00	Y		
2.15) TRUCK, MULTI-STOP DELIVERY 14000 GVRW AND UP DUALLY ⁽¹⁾		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	4	46,543.00	Y		
2.16) TRUCK CARGO PICK-UP 4X4 8501-9999 CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	2	35,490.00	Y		
2.16) TRUCK CARGO PICK-UP 4X4 8501-9999 CREW CAB		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	3	36,200.00	Y		
2.17) TRUCK CARGO PICKUP UP TO 8500 GVWR REGULAR CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	11	19,418.00	Y		
2.17) TRUCK CARGO PICKUP UP TO 8500 GVWR REGULAR CAB		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	11	19,806.00	Y		
2.18) TRUCK CARGO PICKUP 4X4 UP TO 8500 GVWR CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	1	24,336.00	Y		
2.18) TRUCK CARGO PICKUP 4X4 UP TO 8500 GVWR CREW CAB		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	3	24,823.00	Y		
2.19) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	43	24,133.00	Y		
2.20) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	4	25,705.00	Y		
2.20) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR CREW CAB		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Jan 2022	4	26,219.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.21) TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	17	25,857.00	Y		
2.21) TRUCK CARGO PICKUP 4X2 8501-9999 GVWR CREW CAB		2021	Unknown / Unknown	MIPR	GSA	May 2021	Feb 2022	9	26,374.00	Y		
2.22) TRUCK PANEL VAN 4X2 6001-8500 GVWR		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	4	21,548.00	Y		
2.22) TRUCK PANEL VAN 4X2 6001-8500 GVWR		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	4	21,979.00	Y		
2.23) TRUCK PANEL VAN COMPACT 4X2 UP TO 6000 GVWR		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	2	30,741.00	Y		
2.23) TRUCK PANEL VAN COMPACT 4X2 UP TO 6000 GVWR		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	2	31,356.00	Y		
2.24) TRUCK STAKE 4X2 8501-16000 GVWR REGULAR CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	30	26,415.00	Y		
2.25) TRUCK MULTISTOP STEP VAN 8501-13999 GVWR		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	10	41,270.00	Y		
2.26) TRUCK STAKE 4X2 8501-16000 GVWR REGULAR CAB DUALLY		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	4	27,074.00	Y		
2.26) TRUCK STAKE 4X2 8501-16000 GVWR REGULAR CAB DUALLY		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Jan 2022	4	27,615.00	Y		
2.27) TRUCK VAN FORWARD CONTROL HI-CUBE 8501 GVWR AND UP		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	6	41,574.00	Y		
2.27) TRUCK VAN FORWARD CONTROL HI-CUBE 8501 GVWR AND UP		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Jan 2022	6	42,405.00	Y		
2.28) TRUCK CARGO PICKUP COMPACT 4X4 REGULAR CAB RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	1	18,000.00	Y		
2.28) TRUCK CARGO PICKUP COMPACT 4X4 REGULAR CAB RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2021	Dec 2021	1	18,360.00	Y		
2.29) TRUCK PANEL MINI-COMPACT F/C GED JAPAN		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	24	8,416.00	Y		
2.30) TRUCK PANEL F/C GED 6000 GVW JAPAN		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2020	Jan 2021	19	18,252.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.31) TRUCK STAKE 8501 GVWR AND UP RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	4	34,983.00	Y		
2.31) TRUCK STAKE 8501 GVWR AND UP RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2021	Dec 2021	4	35,683.00	Y		
2.32) TRUCK PANEL MINI-COMPACT F/C GED JAPAN / LOW SPEED VEHICLE 4 PASSENGER		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	1	18,774.00	Y		
2.32) TRUCK PANEL MINI-COMPACT F/C GED JAPAN / LOW SPEED VEHICLE 4 PASSENGER	✓	2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	1	18,774.00	Y		
2.32) TRUCK PANEL MINI-COMPACT F/C GED JAPAN / LOW SPEED VEHICLE 4 PASSENGER		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	1	19,149.00	Y		
2.33) TRUCK CARGO PICKUP 9000 GVWR CREW CAB RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	31	27,378.00	Y		
2.34) TRUCK PANEL VAN MINI-COMPACT 4X4 RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	1	11,154.00	Y		
2.34) TRUCK PANEL VAN MINI-COMPACT 4X4 RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	1	11,377.00	Y		
2.35) TRUCK PANEL VAN UP TO 8500 GVWR 4X4 RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	1	27,378.00	Y		
2.35) TRUCK PANEL VAN UP TO 8500 GVWR 4X4 RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	1	27,926.00	Y		
2.36) TRUCK CARGO PICKUP 4X4 9200 GVWR CREW CAB RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	4	39,543.00	Y		
2.36) TRUCK CARGO PICKUP 4X4 9200 GVWR CREW CAB RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	4	40,334.00	Y		
2.37) TRUCK CARGO PICKUP COMP 4000 GVW JAPAN		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	8	16,296.00	Y		
2.37) TRUCK CARGO PICKUP COMP 4000 GVW JAPAN		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	8	16,622.00	Y		
2.38) TRUCK STAKE 4X4 8501-16000 GVWR RHD		2020	Unknown / Unknown	C / TBD	FEAD Yokosuka	Mar 2020	Dec 2020	2	36,504.00	Y		
2.38) TRUCK STAKE 4X4 8501-16000 GVWR RHD		2021	Unknown / Unknown	C / TBD	FEAD Yokosuka	Apr 2021	Jan 2022	2	37,234.00	Y		
2.39) TRUCK CARGO PICKUP COMPACT 4X4 UP TO 6100 GVWR CREW CAB		2019	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	3	37,762.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6007 / General Purpose Trucks					Aggregated Items: General Purpose Trucks				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.39) TRUCK CARGO PICKUP COMPACT 4X4 UP TO 6100 GVWR CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Jan 2021	18	38,532.00	Y		
2.40) TRUCK CARGO PICKUP COMPACT 4X2 5800 GVWR 4FT BED CREW CAB		2020	Unknown / Unknown	MIPR	GSA	Feb 2020	Nov 2020	7	23,529.00	Y		
2.41) TRUCK STAKE 8501 GVWR AND UP 8 FT BED REG CAB 4X2		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	1	31,566.00	Y		
2.41) TRUCK STAKE 8501 GVWR AND UP 8 FT BED REG CAB 4X2		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	1	32,197.00	Y		
2.42) TRUCK MULTISTOP DELIVERY 14000 GVWR AND UP		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	1	41,321.00	Y		
2.42) TRUCK MULTISTOP DELIVERY 14000 GVWR AND UP		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Dec 2021	1	42,147.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment										P-1 Line Item Number / Title: 6024 / Construction & Maint Equip			
ID Code (A=Service Ready, B=Not Service Ready): A										Program Elements for Code B Items: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	28.563	24.022	43.191	47.301	0.000	47.301	49.606	48.728	56.000	57.893	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	28.563	24.022	43.191	47.301	0.000	47.301	49.606	48.728	56.000	57.893	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	28.563	24.022	43.191	47.301	0.000	47.301	49.606	48.728	56.000	57.893	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description:													
This budget line item funds procurement of equipment used for a variety of construction, maintenance, and repair operations. This equipment is used by the Naval Expeditionary Combat Command, Naval Beach Group, Maritime Prepositioning Force, and other Special Operating Units, in support of expeditionary force bases and camp sites.													
Earth Moving Equipment includes equipment such as ditching machines, excavators, graders, wheeled and tracked loaders, rollers, compactors, scrapers, off-highway dump trucks, crawler tractors, and industrial tractors. This equipment constitutes the backbone of the Naval Construction Force (NCF) in meeting their advanced base construction mission. Dependable earth moving equipment in the fleet and shore inventories is required for the building and renovation of runways and roads, demolition activities at old building sites, and underground utilities excavation.													
Miscellaneous Construction Equipment includes four major categories of construction equipment:													
-General mix, batch, concrete and asphalt working equipment consists of equipment such as portable concrete mixers, rock crushers, asphalt and water distributors, aggregate spreaders, and asphalt and rubberized compound heating kettles which are used to provide aggregate materials for asphalt mixing plants and concrete batching plants. This equipment is used by the NCF to provide advance base and forward port facility construction and runway, taxi apron, and work area paving projects.													
-Air compressors and drilling operations equipment consists of portable air compressors of various sizes and capacities for construction and maintenance projects; rock drills for quarry production, pile hammers and extractors for construction, repair, and disassembly of causeways, docks, piers, and wharves; earth augers to support electrical distribution and communications systems; well drilling machines to supply water in support of Marine Corps contingencies and construction battalions at camp sites and advance bases.													
-Floodlights and generators consists of portable floodlight trailers (with 6kW generators) which are used by the NCF to provide light for around-the-clock construction efforts and generators used as portable power to support power tools, runway lighting, and backup systems for electrical power distribution. This equipment is part of the DOD Mobile Electric Power Program (PM-MEP) which provides reliable standardized generators for all DOD components.													
Other miscellaneous maintenance equipment consists of welders, decontamination apparatus, machine shop trailers and shredders. This equipment is used for a variety of maintenance, repair and construction operations and for purification and decontamination of personnel and equipment.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment		P-1 Line Item Number / Title: 6024 / Construction & Maint Equip
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Cranes (Weight Handling Equipment) includes truck or wheel-mounted cranes, straddle lifts, and crawler cranes. Truck mounted cranes have either lattice or hydraulic booms and range in size from 25 to 150 tons. Wheel-mounted cranes have hydraulic booms and range in size from 8 to 90 tons. Crawler cranes are used primarily for drag line and clam shell operations on terrain inaccessible with truck or wheel-mounted cranes. Amphibious Construction Battalions (PHIBCBs) use wheel-mounted hydraulic cranes and crawler cranes in over-the-beach operations and on elevated causeways (ELCAS). This program also funds the procurement of Expeditionary Material Handling Equipment (ExMHE) to satisfy operational requirements and replaces overaged non-repairable equipment used in material handling operations at world-wide Navy activities. Expeditionary MHE is used to equip and sustain expeditionary forces to execute combat, combat support, and combat service support missions. Expeditionary MHE belongs to expeditionary activities that are either forward deployed units or whose mission is in direct support of those units.		
[P40A / Acquisition Support]: Acquisition support provides for government oversight of the acquisition process, program management support, acquisition engineering and technical support, review and evaluation of design data, writing of contracts and Contract Data Requirements Lists (DCRL), contract deliverable monitoring, evaluation of Engineering Change Proposals (ECP), configuration control and quality assurance, status reports and technical briefings, collection of performance metrics, and all other support efforts directly related to the delivery of equipment.		
[P40A / Acquisition Support]: Acquisition support provides for government oversight of the acquisition process, program management support, acquisition engineering and technical support, review and evaluation of design data, writing of contracts and Contract Data Requirements Lists (DCRL), contract deliverable monitoring, evaluation of Engineering Change Proposals (ECP), configuration control and quality assurance, status reports and technical briefings, collection of performance metrics, and all other support efforts directly related to the delivery of equipment.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A					
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Construction & Maint Equip	P-5a			- / 28.563	- / 24.022	- / 43.191	- / 47.301	- / -
P-40	Total Gross/Weapon System Cost				- / 28.563	- / 24.022	- / 43.191	- / 47.301	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY 2021 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy. \$4.11M increase in funding is due to a higher amount of equipment in the replacement cycle in FY2021 which have met/exceeded their service life.

- Investment in generators which are more fuel efficient than the current deployed assets, which in turn also lessens the burden on convoys for fuel
- Service Life Extension Program (SLEP) of earthmoving equipment which has reached or surpassed its useful life
- Recapitalization of Earthmoving equipment such as loaders that has reached or surpassed its useful life
- Recapitalization of Expeditionary Material Handling Equipment consisting of forklifts and lift trucks that has reached or surpassed its useful life
- Recapitalization of Miscellaneous Construction equipment that has reached or surpassed its useful life

The requested funding supports the Naval Expeditionary Combat Command (Naval Construction Force, Coastal Riverine Force, Explosive Ordnance Disposal, Naval Expeditionary Logistics Support Group), Helo Minerons, Naval Beach Group, Navy Expeditionary Medical Support Command, and Naval Special Warfare. The funding will be used to procure equipment within each force's Table of Allowance (TOA), which meets its Required Operational Capabilities (ROC) and Projected Operational Environment (POE).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip									Aggregated Items Title: Construction & Maint Equip						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) EARTHMOVING																				
1.2) LOADER SCOOP WHL 2.5CY MP BKT FKS(†)	A		224,823.53	17	3.822	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK(†)	A		99,500.00	4	0.398	105,379.00	2	0.211	107,487.00	15	1.612	109,625.00	8	0.877	-	-	-	109,625.00	8	0.877
1.4) SLEP EARTHMOVING EQUIPMENT PROGRAM (1)(†)	A		150,000.00	12	1.800	153,000.00	40	6.120	156,060.00	42	6.555	179,275.86	29	5.199	-	-	-	179,275.86	29	5.199
1.6) TRACTOR CRAWLER DED 240 HP W/WATER FORD(†)	A		605,666.67	3	1.817	575,029.00	4	2.300	-	-	-	-	-	-	-	-	-	-	-	
1.7) TRACTOR WHEELED INDUST 4X2 60 NET HP(†)	A		143,000.00	1	0.143	-	-	-	-	-	18,829.00	1	0.019	-	-	-	18,829.00	1	0.019	
1.8) TRACTOR WHEELED INDUSTRIAL 50 - 70 HP(†)	A		75,000.00	5	0.375	75,500.00	2	0.151	78,030.00	1	0.078	79,590.00	2	0.159	-	-	-	79,590.00	2	0.159
1.9) TRACTOR WHEELED LDR/ BKHO(†)	A		165,000.00	1	0.165	-	-	-	165,409.00	1	0.165	-	-	-	-	-	-	-	-	
1.10) TRACTOR WHEELED LOADER 2 CY BUCKET(†)	A		-	-	-	164,000.00	2	0.328	-	-	-	-	-	-	-	-	-	-	-	
1.11) TRACTOR WHEELED LOADER 5 CY BUCKET(†)	A		-	-	-	185,000.00	2	0.370	188,700.00	1	0.189	190,474.00	1	0.190	-	-	-	190,474.00	1	0.190
1.12) LOADER SCOOP WHEEL MOUNTED 1.5 CY GP 85 HP CAB (2)(†)	A		-	-	-	-	-	-	111,540.00	1	0.112	113,771.00	1	0.114	-	-	-	113,771.00	1	0.114
1.13) LOADER SCOOP WHEEL MOUNTED 4X4 NONSTANDARD(†)	A		-	-	-	-	-	-	76,050.00	2	0.152	77,571.00	2	0.155	-	-	-	77,571.00	2	0.155
1.14) LOADER SCOOP TRACK 1.75 CY BUCKET W/ TEETH(†)	A		-	-	-	-	-	-	363,659.00	1	0.364	370,932.00	1	0.371	-	-	-	370,932.00	1	0.371

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip								Aggregated Items Title: Construction & Maint Equip							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1.15) LOADER SKID STEER NONSTANDARD ^(†)	A		-	-	-	-	-	-	125,136.00	2	0.250	127,639.00	2	0.255	-	-	-	127,639.00	2	0.255
1.16) LOADER SKID STEER WHEEL MOUNTED ^(†)	A		-	-	-	-	-	-	35,490.00	1	0.035	36,200.00	1	0.036	-	-	-	36,200.00	1	0.036
1.17) LOADER SKID STEER CRAWLER MOUNTED ^(†)	A		-	-	-	-	-	-	87,204.00	2	0.174	88,948.00	2	0.178	-	-	-	88,948.00	2	0.178
1.18) LOADER SKID STEER DED BH/ BUCKET/FOLKS ^(†)	A		-	-	-	-	-	-	85,176.00	1	0.085	86,880.00	1	0.087	-	-	-	86,880.00	1	0.087
1.19) MINI EXCAVATOR MULTIPURPOSE CRAWLER MOUNTED ^(†)	A		-	-	-	-	-	-	75,000.00	2	0.150	76,500.00	2	0.153	-	-	-	76,500.00	2	0.153
1.20) EXCAVATOR MODEL 300 WITH THUMB MOUNTED BUCKET ^(†)	A		-	-	-	-	-	-	257,556.00	1	0.258	262,707.00	1	0.263	-	-	-	262,707.00	1	0.263
1.21) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD ^(†)	A		-	-	-	-	-	-	167,310.00	1	0.167	170,656.00	1	0.171	-	-	-	170,656.00	1	0.171
1.22) TRACTOR WHEELED INDUSTRIAL 50-70 HP NONSTANDARD ^(†)	A		-	-	-	-	-	-	110,822.00	3	0.332	113,038.00	3	0.339	-	-	-	113,038.00	3	0.339
1.23) TRACTOR WHEELED INDUSTRIAL 90 HP MIN NON-STANDARD ^(†)	A		-	-	-	-	-	-	187,590.00	4	0.750	191,342.00	4	0.765	-	-	-	191,342.00	4	0.765
1.24) TRACTOR WHEELED INDUSTRIAL 4X2 60 HP MIN LDR 1CY BUCKET BACKHOE ^(†)	A		-	-	-	-	-	-	18,460.00	1	0.018	18,829.00	1	0.019	-	-	-	18,829.00	1	0.019
1.25) TRACTOR WHEELED INDUSTRIAL UP TO 49 HP NONSTANDARD ^(†)	A		-	-	-	-	-	-	147,030.00	1	0.147	149,971.00	2	0.300	-	-	-	149,971.00	2	0.300

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1						P-1 Line Item Number / Title: 6024 / Construction & Maint Equip									Aggregated Items Title: Construction & Maint Equip					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.26) TRACTOR WHEELED INDUSTRIAL 4X4 90 HP MIN LDR 1-1/2CY BUCKET BACKHOE ^(†)	A		-	-	-	-	-	-	136,890.00	7	0.958	139,628.00	7	0.977	-	-	-	139,628.00	7	0.977
Subtotal: 1) EARTHMOVING			-	-	8.520	-	-	9.480	-	-	12.551	-	-	10.627	-	-	-	-	-	10.627
2) MISC. CONSTRUCTION																				
2.1) COLD FORMED STEEL FACTORY SYSTEMS ^(†)	A		-	-	-	450,000.00	4	1.800	459,000.00	2	0.918	468,180.00	2	0.936	-	-	-	468,180.00	2	0.936
2.2) CONCRETE MIXER ^(†)	A		24,278.69	61	1.481	-	-	-	-	-	-	32,000.00	47	1.504	-	-	-	32,000.00	47	1.504
2.3) ECU 8T 35KW GENERATOR TRAILER MOUNT ^(†)	A		107,000.00	14	1.498	-	-	-	111,652.00	2	0.223	-	-	-	-	-	-	-	-	-
2.4) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD ^(†)	A		13,500.00	4	0.054	10,470.00	32	0.335	10,679.00	30	0.320	10,893.00	10	0.109	-	-	-	10,893.00	10	0.109
2.5) GENERATOR SET 100KW MEP807A TACT QUIET DED SKID ^(†)	A		91,000.00	2	0.182	-	-	-	93,976.00	27	2.537	-	-	-	-	-	-	-	-	-
2.6) GENERATOR SET 30KW AMMPS MEP 1060 SKID MTD DED ^(†)	A		-	-	-	31,432.00	1	0.031	32,061.00	1	0.032	32,702.00	19	0.621	-	-	-	32,702.00	19	0.621
2.7) GENERATOR SET 60KW MEP-1070 AMMPS ^(†)	A		-	-	-	-	-	-	-	-	52,015.50	90	4.681	-	-	-	52,015.50	90	4.681	
2.8) GENERATOR SET 60KW AMMPS MEP 1070 SKID ^(†)	A		43,704.85	227	9.921	-	-	-	-	-	54,437.50	16	0.871	-	-	-	54,437.50	16	0.871	
2.9) LUBE SKID ^(†)	A		121,000.00	5	0.605	123,420.00	7	0.864	-	-	-	-	-	-	-	-	-	-	-	-
2.10) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED ^(†)	A		37,750.00	4	0.151	38,916.00	1	0.039	39,447.00	2	0.079	40,236.00	1	0.040	-	-	-	40,236.00	1	0.040
2.11) AERIAL WORK PLATFORM, SCISSOR LIFT 20-40 FT ^(†)	A		-	-	-	-	-	-	180,492.00	2	0.361	184,102.00	1	0.184	-	-	-	184,102.00	1	0.184
2.12) CAR RAILWAY, FLAT NON- STANDARD ^(†)	A		-	-	-	-	-	-	177,450.00	6	1.065	180,999.00	6	1.086	-	-	-	180,999.00	6	1.086

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip								Aggregated Items Title: Construction & Maint Equip							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
2.13) CLEANER BASIN/MANHOLE VACUUM/ HYDRAULIC TRUCK MOUNTED NON- STANDARD ^(†)	A		-	-	-	-	-	-	329,550.00	6	1.977	336,141.00	6	2.017	-	-	-	336,141.00	6	2.017
2.14) CLEANER SEWAGE/WASTE COLLECTION 1300 GALLON ^(†)	A		-	-	-	-	-	-	136,890.00	6	0.821	136,890.00	6	0.821	-	-	-	136,890.00	6	0.821
2.15) CLEANER VACUUM SELF- PROPELLED AIRFIELD WITH BLOWER HI- SPEED ^(†)	A		-	-	-	-	-	-	198,744.00	4	0.795	202,719.00	4	0.811	-	-	-	202,719.00	4	0.811
2.16) FLOODLIGHT SET ELECTRIC TRUCK/TRAILER MOUNTED NONSTANDARD ^(†)	A		-	-	-	-	-	-	15,210.00	2	0.030	15,514.00	2	0.031	-	-	-	15,514.00	2	0.031
2.17) DISTRIBUTOR, WATER TRUCK NONSTANDARD ^(†)	A		-	-	-	-	-	-	-	-	-	144,799.00	1	0.145	-	-	-	144,799.00	1	0.145
2.18) FLOODLIGHT SET TRAILER MOUNTED 5KW WITH 4 1KW LUM ^(†)	A		-	-	-	-	-	-	15,210.00	6	0.091	15,514.00	6	0.093	-	-	-	15,514.00	6	0.093
2.19) GENERATOR SET SKID/TRAILER MOUNTED 60-100 KW NONSTANDARD ^(†)	A		-	-	-	-	-	-	101,238.00	4	0.405	103,263.00	4	0.413	-	-	-	103,263.00	4	0.413
2.20) GENERATOR SET SKID/TRAILER MOUNTED 151-250 KW NONSTANDARD ^(†)	A		-	-	-	-	-	-	101,400.00	4	0.406	103,428.00	4	0.414	-	-	-	103,428.00	4	0.414
2.21) GENERATOR SET SKID MOUNTED/ TRAILER 60 KW COMMERCIAL ^(†)	A		-	-	-	-	-	-	40,050.00	1	0.040	40,851.00	1	0.041	-	-	-	40,851.00	1	0.041
2.22) GENERATOR SET SKID/TRAILER MOUNTED	A		-	-	-	-	-	-	106,470.00	2	0.213	108,599.00	2	0.217	-	-	-	108,599.00	2	0.217

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip								Aggregated Items Title: Construction & Maint Equip							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
500-750 KW NONSTANDARD ^(†)																				
2.23) LOW SPEED VEHICLE 4 PASSENGER ^(†)	A		-	-	-	-	-	-	12,168.00	4	0.049	12,411.00	4	0.050	-	-	12,411.00	4	0.050	
2.24) LOW SPEED VEHICLE 2 PASSENGER WITH FLATBED ^(†)	A		-	-	-	-	-	-	17,238.00	5	0.086	17,583.00	5	0.088	-	-	17,583.00	5	0.088	
2.25) LOW SPEED VEHICLE CARGO VAN ^(†)	A		-	-	-	-	-	-	18,145.00	2	0.036	18,508.00	2	0.037	-	-	18,508.00	2	0.037	
2.26) LSV CARGO VAN W/LIFT GATE ^(†)	A		-	-	-	-	-	-	20,280.00	2	0.041	20,686.00	2	0.041	-	-	20,686.00	2	0.041	
2.27) LOW SPEED VEHICLE 2 PASSENGER ^(†)	A		-	-	-	-	-	-	12,168.00	1	0.012	12,411.00	1	0.012	-	-	12,411.00	1	0.012	
2.28) LSV (NEW) support ^(†)	A		-	-	-	-	-	-	20,280.00	1	0.020	20,686.00	1	0.021	-	-	20,686.00	1	0.021	
2.29) LOW SPEED VEHICLE 2 PASSENGER SOLAR POWERED ^(†)	A		-	-	-	-	-	-	30,420.00	1	0.030	31,028.00	1	0.031	-	-	31,028.00	1	0.031	
2.30) LOW SPEED VEHICLE CARGO VAN SOLAR POWERED ^(†)	A		-	-	-	-	-	-	30,420.00	2	0.061	31,028.00	2	0.062	-	-	31,028.00	2	0.062	
2.31) LOW SPEED VEHICLE 6 PASSENGER VAN SOLAR POWERED ^(†)	A		-	-	-	-	-	-	30,420.00	1	0.030	31,028.00	1	0.031	-	-	31,028.00	1	0.031	
2.32) Non Solar SMV 4 DOOR SHORT BED with A/C ^(†)	A		-	-	-	-	-	-	30,420.00	2	0.061	31,028.00	2	0.062	-	-	31,028.00	2	0.062	
2.33) PLATFORM MAINTENANCE 60 FT ^(†)	A		-	-	-	-	-	-	120,000.00	7	0.840	122,400.00	6	0.734	-	-	122,400.00	6	0.734	
2.34) PLATFORM MAINTENANCE 80FT ^(†)	A		-	-	-	-	-	-	151,500.00	2	0.303	154,530.00	2	0.309	-	-	154,530.00	2	0.309	
2.35) PLATFORM MAINTENANCE 90 FT ^(†)	A		-	-	-	-	-	-	141,960.00	1	0.142	144,799.00	1	0.145	-	-	144,799.00	1	0.145	

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip									Aggregated Items Title: Construction & Maint Equip						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
2.36) PLATFORM MAINTENANCE 120 FT ^(†)	A		-	-	-	-	-	-	180,000.00	2	0.360	183,600.00	2	0.367	-	-	-	183,600.00	2	0.367
2.37) MAN LIFT 60' REACH HYBRID DIESEL ^(†)	A		-	-	-	-	-	-	111,540.00	1	0.112	113,771.00	2	0.228	-	-	-	113,771.00	2	0.228
2.38) MAN LIFT 80' REACH ARTICULATING BOOM ^(†)	A		-	-	-	-	-	-	139,932.00	2	0.280	142,731.00	2	0.285	-	-	-	142,731.00	2	0.285
2.39) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD ^(†)	A		-	-	-	-	-	-	91,260.00	1	0.091	93,085.00	1	0.093	-	-	-	93,085.00	1	0.093
2.40) SWEEPER ROTARY SELF-PROPELLED WHEEL MOUNTED NONSTANDARD ^(†)	A		-	-	-	-	-	-	184,392.00	5	0.922	188,080.00	4	0.752	-	-	-	188,080.00	4	0.752
2.41) SWEEPER, MAGNETIC ^(†)	A		-	-	-	-	-	-	-	-	9,090.91	22	0.200	-	-	-	9,090.91	22	0.200	
2.42) WELDER ARC WHEEL-MOUNTED 300 AMP DC ^(†)	A		-	-	-	-	-	-	60,840.00	1	0.061	62,057.00	1	0.062	-	-	-	62,057.00	1	0.062
Subtotal: 2) MISC. CONSTRUCTION			-	-	13.892	-	-	3.069	-	-	13.850	-	-	18.645	-	-	-	-	18.645	
3) CRANES																				
3.2) CRANE HYD TRK MTD 40 TON (RESERVE FORCES) ^(†)	A		570,000.00	2	1.140	-	-	-	-	-	-	-	-	-	-	-	-	-		
3.3) CRANE HYD TRK MTD 40 TON ^(†)	A		-	-	-	603,000.00	5	3.015	615,060.00	5	3.075	-	-	-	-	-	-	-		
3.4) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON ^(†)	A		-	-	-	379,000.00	2	0.758	386,580.00	1	0.387	392,312.00	2	0.785	-	-	-	392,312.00	2	0.785
3.5) CRAWLER CRANE 50T LATTICE BOOM ^(†)	A		-	-	-	-	-	-	-	-	832,730.00	4	3.331	-	-	-	832,730.00	4	3.331	
3.8) EXCAVATOR CRAWLER MOUNTED HYDRAULIC OPERATED NONSTANDARD ^(†)	A		363,000.00	1	0.363	-	-	-	-	-	-	-	-	-	-	-	-	-		

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6024 / Construction & Maint Equip									Aggregated Items Title: Construction & Maint Equip						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.9) CRANE TRUCK MOUNTED HYDRAULIC 91-100 TON ^(†)	A		1,326K	3	3.979	1,353K	2	2.706	1,380K	4	5.520	1,408K	3	4.223	-	-	-	1,408K	3	4.223
3.10) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON (30T) ^(†)	A		-	-	-	-	-	-	526,266.00	5	2,631	536,791.00	5	2,684	-	-	-	536,791.00	5	2,684
<i>Subtotal: 3) CRANES</i>			-	-	5.482	-	-	6.479	-	-	11.613	-	-	11.023	-	-	-	-	-	11.023
4) ILS SUPPORT COST																				
4.1) ILS SUPPORT COSTS	A		-	-	0.607	-	-	0.280	-	-	0.542	-	-	0.331	-	-	-	-	-	0.331
<i>Subtotal: 4) ILS SUPPORT COST</i>			-	-	0.607	-	-	0.280	-	-	0.542	-	-	0.331	-	-	-	-	-	0.331
5) EXPEDITIONARY MATERIAL HANDLING EQUIPMENT																				
5.1) FORKLIFT 6K DED PRT ^(†)	A		-	-	-	45,000.00	8	0.360	-	-	-	-	-	-	-	-	-	-	-	
5.2) ILS for Truck, Forklift, 7-11K MMV ⁽³⁾	A		-	-	0.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.3) TRFK D 53LB PRT ^(†)	A		-	-	-	535,500.00	3	1.607	546,210.00	3	1.639	557,134.00	4	2.229	-	-	-	557,134.00	4	2.229
5.4) TRFK D 12LB PRT ^(†)	A		-	-	-	178,068.00	4	0.712	-	-	-	181,629.00	4	0.727	-	-	-	181,629.00	4	0.727
5.5) TRFK D 20LB PRT ^(†)	A		-	-	-	290,700.00	7	2.035	296,514.00	1	0.297	-	-	-	-	-	-	-	-	
5.6) TRFK 11K TELHDL ^(†)	A		-	-	-	-	-	-	87,060.00	31	2.699	88,801.00	7	0.622	-	-	-	88,801.00	7	0.622
5.8) Truck, Forklift, 15K LPG (132515) ^(†)	A		-	-	-	-	-	-	-	-	53,100.00	2	0.106	-	-	-	53,100.00	2	0.106	
<i>Subtotal: 5) EXPEDITIONARY MATERIAL HANDLING EQUIPMENT</i>			-	-	0.062	-	-	4.714	-	-	4.635	-	-	3.684	-	-	-	-	-	3.684
6) Acquisition Support⁽⁴⁾																				
6.1) Acquisition Support	A		-	-	-	-	-	-	-	-	-	-	-	2.991	-	-	-	-	-	2.991
<i>Subtotal: 6) Acquisition Support</i>			-	-	0.000	-	-	-	-	-	-	-	-	2.991	-	-	-	-	-	2.991
Total			-	-	28.563	-	-	24.022	-	-	43.191	-	-	47.301	-	-	-	-	-	47.301

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1	P-1 Line Item Number / Title: 6024 / Construction & Maint Equip	Aggregated Items Title: Construction & Maint Equip
(1) Increase in unit cost for Cost Element 1.4 is due to the varying mix of items procured under the Service Life Extension Program (SLEP) for earthmoving equipment. SLEP includes equipment such as ditching machines, excavators, graders, wheeled and tracked loaders, rollers, compactors, scrapers, off-highway dump trucks, crawler tractors, and industrial tractors. The unit cost will vary depending on Naval Construction Force requirements.		
(2) Cost elements 1.25 thru 1.39, 2.25 thru 2.54 and 3.10 are items that were formerly procured via NWCF and have shifted to OPN.		
(3) ILS is developed in the same year as the product is being procured.		
(4) Funding increased for acquisition support resulting from the conversion of NAVFAC Engineering and Expeditionary Warfare Center (EXWC) from a General Fund entity to a Navy Working Capital Fund entity.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) EARTHMOVING												
1.2) LOADER SCOOP WHL 2.5CY MP BKT FKS		2017	VARIOUS / VARIOUS	MIPR	DLA	Oct 2017	Feb 2018	5	320,890.00	Y		
1.2) LOADER SCOOP WHL 2.5CY MP BKT FKS		2018	DSCP / Philadelphia, PA	MIPR	DLA	Aug 2018	Dec 2018	12	184,804.00	Y		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK		2016	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Aug 2016	Feb 2017	3	101,287.00	Y		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK		2017	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Jun 2017	Nov 2017	1	94,033.00	Y		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK		2019	UNKNOWN / UNKNOWN	MIPR	DLA	Mar 2020	Mar 2020	2	105,379.00	Y		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK		2020	UNKNOWN / UNKNOWN	MIPR	DLA	Mar 2020	Mar 2020	15	107,487.00	Y		
1.3) LOADER SKID CLOSED CAB DED B41/APH/FK		2021	UNKNOWN / UNKNOWN	C / TBD	DLA	Mar 2021	Mar 2021	8	109,625.00	Y		
1.4) SLEP EARTHMOVING EQUIPMENT PROGRAM ⁽¹⁾		2018	TACOM - Commercial / Warren, MI	MIPR	TACOM	Feb 2019	Nov 2019	12	150,000.00	Y		
1.4) SLEP EARTHMOVING EQUIPMENT PROGRAM ⁽¹⁾		2019	Unknown / Unknown	MIPR	UNK	Mar 2020	Mar 2020	40	153,000.00	Y		
1.4) SLEP EARTHMOVING EQUIPMENT PROGRAM ⁽¹⁾		2020	Unknown / Unknown	MIPR	UNK	Mar 2020	Mar 2020	42	156,060.00	Y		
1.4) SLEP EARTHMOVING EQUIPMENT PROGRAM ⁽¹⁾		2021	Unknown / Unknown	MIPR	UNK	Mar 2021	Mar 2021	29	179,275.86	Y		
1.6) TRACTOR CRAWLER DED 240 HP W/WATER FORD		2017	Caterpillar, Inc / Mossville, IL	MIPR	DLA	Oct 2017	Apr 2018	2	626,580.00	Y		
1.6) TRACTOR CRAWLER DED 240 HP W/WATER FORD		2018	DSCP / Philadelphia, PA	MIPR	DLA	Sep 2018	Mar 2019	1	563,754.00	Y		
1.6) TRACTOR CRAWLER DED 240 HP W/WATER FORD		2019	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	4	575,029.00	Y		
1.7) TRACTOR WHEELED INDUST 4X2 60 NET HP		2017	John Deere / Cary, NC	MIPR	DSCP	May 2017	Nov 2017	1	142,824.00	Y		
1.8) TRACTOR WHEELED INDUSTRIAL 50 - 70 HP		2018	Unknown / Unknown	MIPR	DSCP	Mar 2020	Jul 2020	5	75,000.00	Y		
1.8) TRACTOR WHEELED INDUSTRIAL 50 - 70 HP		2019	Unknown / Unknown	MIPR	DSCP	Mar 2020	Mar 2020	2	75,500.00	Y		
1.8) TRACTOR WHEELED INDUSTRIAL 50 - 70 HP		2020	Unknown / Unknown	MIPR	DSCP	Mar 2020	Mar 2020	1	78,030.00	Y		
1.8) TRACTOR WHEELED INDUSTRIAL 50 - 70 HP		2021	Unknown / Unknown	MIPR	DSCP	Mar 2021	Mar 2021	2	79,590.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.9) TRACTOR WHEELED LDR/BKHO		2018	DSCP / Philadelphia, PA	MIPR	DLA	Jun 2018	Oct 2018	1	165,409.00	Y		
1.9) TRACTOR WHEELED LDR/BKHO		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	1	165,409.00	Y		
1.10) TRACTOR WHEELED LOADER 2 CY BUCKET		2019	Unknown / Unknown	C / TBD	DSCP	Mar 2020	Mar 2021	2	164,000.00	Y		
1.11) TRACTOR WHEELED LOADER 5 CY BUCKET		2019	Unknown / Unknown	C / TBD	DSCP	Mar 2020	Mar 2021	2	185,000.00	Y		
1.11) TRACTOR WHEELED LOADER 5 CY BUCKET		2020	Unknown / Unknown	C / TBD	DSCP	Apr 2020	Apr 2020	1	188,700.00	Y		
1.11) TRACTOR WHEELED LOADER 5 CY BUCKET		2021	Unknown / Unknown	C / TBD	DSCP	Apr 2021	Apr 2021	1	190,474.00	Y		
1.12) LOADER SCOOP WHEEL MOUNTED 1.5 CY GP 85 HP CAB (2)		2020	Unknown / Unknown	C / TBD	DLA	Jan 2020	Oct 2020	1	111,540.00	Y		
1.13) LOADER SCOOP WHEEL MOUNTED 4X4 NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Jan 2020	Oct 2020	2	76,050.00	Y		
1.14) LOADER SCOOP TRACK 1.75 CY BUCKET W/ TEETH		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	1	363,659.00	Y		
1.14) LOADER SCOOP TRACK 1.75 CY BUCKET W/ TEETH		2021	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	1	370,932.00	Y		
1.15) LOADER SKID STEER NONSTANDARD		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	2	125,136.00	Y		
1.15) LOADER SKID STEER NONSTANDARD		2021	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	2	127,639.00	Y		
1.16) LOADER SKID STEER WHEEL MOUNTED		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	1	35,490.00	Y		
1.16) LOADER SKID STEER WHEEL MOUNTED		2021	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	1	36,200.00	Y		
1.17) LOADER SKID STEER CRAWLER MOUNTED		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	2	87,204.00	Y		
1.17) LOADER SKID STEER CRAWLER MOUNTED		2021	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	2	88,948.00	Y		
1.18) LOADER SKID STEER DED BH/BUCKET/FOLKS		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	1	85,176.00	Y		
1.18) LOADER SKID STEER DED BH/BUCKET/FOLKS		2021	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	1	86,880.00	Y		
1.19) MINI EXCAVATOR MULTIPURPOSE CRAWLER MOUNTED		2020	VARIOIUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	2	75,000.00	Y		

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.19) MINI EXCAVATOR MULTIPURPOSE CRAWLER MOUNTED		2021	VARIOUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	2	76,500.00	Y		
1.20) EXCAVATOR MODEL 300 WITH THUMB MOUNTED BUCKET		2020	VARIOUS / VARIOUS	C / FFP	DLA	Oct 2019	Jul 2020	1	257,556.00	Y		
1.20) EXCAVATOR MODEL 300 WITH THUMB MOUNTED BUCKET		2021	VARIOUS / VARIOUS	C / FFP	DLA	Oct 2020	Jul 2021	1	262,707.00	Y		
1.21) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD		2020	VARIOUS / VARIOUS	C / FFP	** NO PCO **	Oct 2019	Jul 2020	1	167,310.00	Y		
1.21) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD		2021	VARIOUS / VARIOUS	C / FFP	** NO PCO **	Oct 2020	Jul 2021	1	170,656.00	Y		
1.22) TRACTOR WHEELED INDUSTRIAL 50-70 HP NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Jul 2020	3	110,822.00	Y		
1.23) TRACTOR WHEELED INDUSTRIAL 90 HP MIN NON-STANDARD		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Jul 2020	4	187,590.00	Y		
1.24) TRACTOR WHEELED INDUSTRIAL 4X2 60 HP MIN LDR 1CY BUCKET BACKHOE		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Jul 2020	1	18,460.00	Y		
1.25) TRACTOR WHEELED INDUSTRIAL UP TO 49 HP NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Jul 2020	1	147,030.00	Y		
1.26) TRACTOR WHEELED INDUSTRIAL 4X4 90 HP MIN LDR 1-1/2CY BUCKET BACKHOE		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Jul 2020	7	136,890.00	Y		
2) MISCELLANEOUS CONSTRUCTION												
2.1) COLD FORMED STEEL FACTORY SYSTEMS		2019	UNKNOWN / UNKNOWN	C / TBD	DLA	Mar 2020	Jul 2020	4	450,000.00	Y		
2.1) COLD FORMED STEEL FACTORY SYSTEMS		2020	UNKNOWN / UNKNOWN	C / TBD	DLA	Mar 2020	Mar 2020	2	459,000.00	Y		
2.1) COLD FORMED STEEL FACTORY SYSTEMS		2021	UNKNOWN / UNKNOWN	C / TBD	DLA	Mar 2021	Mar 2021	2	468,180.00	Y		
2.2) CONCRETE MIXER		2018	GSA / GSA	MIPR	DLA	May 2018	Sep 2018	61	24,278.00	Y		
2.3) ECU 8T 35KW GENERATOR TRAILER MOUNT		2017	VARIOUS / VARIOUS	MIPR	DLA	Oct 2017	Feb 2018	2	105,212.00	Y		
2.3) ECU 8T 35KW GENERATOR TRAILER MOUNT		2018	VARIOUS / VARIOUS	MIPR	DLA	Feb 2019	Jun 2019	12	107,316.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.3) ECU 8T 35KW GENERATOR TRAILER MOUNT		2020	UNKNOWN / UNKNOWN	MIPR	DLA	Mar 2020	Jul 2020	2	111,652.00	Y		
2.4) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2016	Caterpillar, Inc / Mossville, IL	C / FP	DSCP	Sep 2016	Jan 2017	4	13,491.00	Y		
2.4) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2019	Caterpillar, Inc / Mossville, IL	C / FP	DSCP	Mar 2019	Jul 2019	32	10,470.00	Y		
2.4) FLOODLIGHT SET ELECTRIC SELF-CONTAINED TRLR-MTD		2020	Caterpillar, Inc / Mossville, IL	C / FP	DSCP	Oct 2019	Oct 2019	30	10,679.00	N		
2.5) GENERATOR SET 100KW MEP807A TACT QUIET DED SKID		2016	VARIOUS / VARIOUS	MIPR	Army MEP	Oct 2017	Mar 2018	2	91,000.00	Y		
2.6) GENERATOR SET 30KW AMMPS MEP 1060 SKID MTD DED		2019	Unknown / Unknown	MIPR	Army MEP	Mar 2020	Mar 2021	1	31,432.00	Y		
2.6) GENERATOR SET 30KW AMMPS MEP 1060 SKID MTD DED		2020	Unknown / Unknown	MIPR	Army MEP	Mar 2020	Mar 2021	1	32,061.00	Y		
2.6) GENERATOR SET 30KW AMMPS MEP 1060 SKID MTD DED		2021	Unknown / Unknown	MIPR	Army MEP	Apr 2021	Apr 2022	19	32,702.00	Y		
2.7) GENERATOR SET 60KW MEP-1070 AMMPS		2021	Unknown / Unknown	C / TBD	** NO PCO **	Dec 2020	Dec 2020	90	52,015.50	Y		
2.8) GENERATOR SET 60KW AMMPS MEP 1070 SKID		2017	VARIOIUS / VARIOUS	MIPR	Army MEP	Sep 2017	Mar 2018	125	50,000.00	Y		
2.8) GENERATOR SET 60KW AMMPS MEP 1070 SKID		2018	GSA / GSA	MIPR	GSA	Aug 2018	Feb 2019	102	35,992.00	Y		
2.9) LUBE SKID		2018	GSA / GSA	MIPR	DSCP	Aug 2019	May 2020	5	121,000.00	Y		
2.9) LUBE SKID		2019	GSA / GSA	MIPR	DSCP	Aug 2019	Aug 2019	7	123,420.00	Y		
2.10) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED		2016	VARIOUS / VARIOUS	MIPR	DSCP	Oct 2017	Feb 2018	1	37,209.00	Y		
2.10) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED		2018	VARIOUS / VARIOUS	MIPR	DSCP	Sep 2018	Jan 2019	3	37,916.00	Y		
2.10) WELDER ARC ELECTRIC 300 AMPS AC/DC TIG DED		2019	VARIOUS / VARIOUS	MIPR	DSCP	Mar 2019	Jul 2019	1	38,916.00	Y		
2.11) AERIAL WORK PLATFORM, SCISSOR LIFT 20-40 FT		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Dec 2020	2	180,492.00	Y		
2.11) AERIAL WORK PLATFORM, SCISSOR LIFT 20-40 FT		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	184,102.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.12) CAR RAILWAY, FLAT NON-STANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Dec 2020	6	177,450.00	Y		
2.12) CAR RAILWAY, FLAT NON-STANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	6	180,999.00	N		
2.13) CLEANER BASIN/MANHOLE VACUUM/HYDRAULIC TRUCK MOUNTED NON-STANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Dec 2020	6	329,550.00	Y		
2.13) CLEANER BASIN/MANHOLE VACUUM/HYDRAULIC TRUCK MOUNTED NON-STANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	6	336,141.00	Y		
2.14) CLEANER SEWAGE/WASTE COLLECTION 1300 GALLON		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Dec 2020	6	136,890.00	Y		
2.14) CLEANER SEWAGE/WASTE COLLECTION 1300 GALLON		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	6	136,890.00	Y		
2.15) CLEANER VACUUM SELF-PROPELLED AIRFIELD WITH BLOWER HI-SPEED		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	4	198,744.00	Y		
2.15) CLEANER VACUUM SELF-PROPELLED AIRFIELD WITH BLOWER HI-SPEED		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	4	202,719.00	Y		
2.16) FLOODLIGHT SET ELECTRIC TRUCK/TRAILER MOUNTED NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	15,210.00	Y		
2.16) FLOODLIGHT SET ELECTRIC TRUCK/TRAILER MOUNTED NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	15,514.00	Y		
2.17) DISTRIBUTOR, WATER TRUCK NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	144,799.00	Y		
2.18) FLOODLIGHT SET TRAILER MOUNTED 5KW WITH 4 1KW LUM		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	6	15,210.00	Y		
2.18) FLOODLIGHT SET TRAILER MOUNTED 5KW WITH 4 1KW LUM		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	6	15,514.00	Y		
2.19) GENERATOR SET SKID/TRAILER MOUNTED 60-100 KW NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	4	101,238.00	Y		
2.19) GENERATOR SET SKID/TRAILER MOUNTED 60-100 KW NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	4	103,263.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.20) GENERATOR SET SKID/ TRAILER MOUNTED 151-250 KW NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	4	101,400.00	Y		
2.20) GENERATOR SET SKID/ TRAILER MOUNTED 151-250 KW NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	4	103,428.00	Y		
2.21) GENERATOR SET SKID MOUNTED/TRAILER 60 KW COMMERCIAL		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	40,050.00	Y		
2.21) GENERATOR SET SKID MOUNTED/TRAILER 60 KW COMMERCIAL		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	40,851.00	Y		
2.22) GENERATOR SET SKID/ TRAILER MOUNTED 500-750 KW NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	106,470.00	Y		
2.22) GENERATOR SET SKID/ TRAILER MOUNTED 500-750 KW NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	108,599.00	Y		
2.23) LOW SPEED VEHICLE 4 PASSENGER		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	4	12,168.00	Y		
2.23) LOW SPEED VEHICLE 4 PASSENGER		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	4	12,411.00	Y		
2.24) LOW SPEED VEHICLE 2 PASSENGER WITH FLATBED		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	5	17,238.00	Y		
2.24) LOW SPEED VEHICLE 2 PASSENGER WITH FLATBED		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	5	17,583.00	Y		
2.25) LOW SPEED VEHICLE CARGO VAN		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	18,145.00	Y		
2.25) LOW SPEED VEHICLE CARGO VAN		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	18,508.00	Y		
2.26) LSV CARGO VAN W/LIFT GATE		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	20,280.00	Y		
2.26) LSV CARGO VAN W/LIFT GATE		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	20,686.00	Y		
2.27) LOW SPEED VEHICLE 2 PASSENGER		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	12,168.00	Y		
2.27) LOW SPEED VEHICLE 2 PASSENGER		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	12,411.00	Y		
2.28) LSV (NEW) support		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	20,280.00	Y		
2.28) LSV (NEW) support		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	20,686.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.29) LOW SPEED VEHICLE 2 PASSENGER SOLAR POWERED		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	30,420.00	Y		
2.29) LOW SPEED VEHICLE 2 PASSENGER SOLAR POWERED		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	31,028.00	Y		
2.30) LOW SPEED VEHICLE CARGO VAN SOLAR POWERED		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	30,420.00	Y		
2.30) LOW SPEED VEHICLE CARGO VAN SOLAR POWERED		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	31,028.00	Y		
2.31) LOW SPEED VEHICLE 6 PASSENGER VAN SOLAR POWERED		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	30,420.00	Y		
2.31) LOW SPEED VEHICLE 6 PASSENGER VAN SOLAR POWERED		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	31,028.00	Y		
2.32) Non Solar SMV 4 DOOR SHORT BED with A/C		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	30,420.00	Y		
2.32) Non Solar SMV 4 DOOR SHORT BED with A/C		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	31,028.00	Y		
2.33) PLATFORM MAINTENANCE 60 FT		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	7	120,000.00	Y		
2.33) PLATFORM MAINTENANCE 60 FT		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	6	122,400.00	Y		
2.34) PLATFORM MAINTENANCE 80FT		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	151,500.00	Y		
2.34) PLATFORM MAINTENANCE 80FT		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	154,530.00	Y		
2.35) PLATFORM MAINTENANCE 90 FT		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	141,960.00	Y		
2.35) PLATFORM MAINTENANCE 90 FT		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	144,799.00	Y		
2.36) PLATFORM MAINTENANCE 120 FT		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	180,000.00	Y		
2.36) PLATFORM MAINTENANCE 120 FT		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	183,600.00	Y		
2.37) MAN LIFT 60' REACH HYBRID DIESEL		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	111,540.00	Y		
2.37) MAN LIFT 60' REACH HYBRID DIESEL		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	113,771.00	Y		
2.38) MAN LIFT 80' REACH ARTICULATING BOOM		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	2	139,932.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.38) MAN LIFT 80' REACH ARTICULATING BOOM		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	2	142,731.00	Y		
2.39) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	91,260.00	Y		
2.39) ROLLER ROAD VIBRATORY 3-18 TON NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	93,085.00	Y		
2.40) SWEEPER ROTARY SELF-PROPELLED WHEEL MOUNTED NONSTANDARD		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	5	184,392.00	Y		
2.40) SWEEPER ROTARY SELF-PROPELLED WHEEL MOUNTED NONSTANDARD		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	4	188,080.00	Y		
2.41) SWEEPER, MAGNETIC		2021	Unknown / Unknown	C / TBD	DLA	Feb 2021	Feb 2021	22	9,090.91	Y		
2.42) WELDER ARC WHEEL-MOUNTED 300 AMP DC		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	60,840.00	Y		
2.42) WELDER ARC WHEEL-MOUNTED 300 AMP DC		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	62,057.00	Y		
3) CRANES												
3.2) CRANE HYD TRK MTD 40 TON (RESERVE FORCES)		2018	GSA / GSA	MIPR	DLA	Aug 2019	May 2020	2	570,193.00	Y		
3.3) CRANE HYD TRK MTD 40 TON		2019	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	5	603,000.00	Y		
3.3) CRANE HYD TRK MTD 40 TON		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	5	615,060.00	Y		
3.4) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON		2019	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2021	2	379,000.00	Y		
3.4) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Mar 2020	1	386,580.00	Y		
3.4) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON		2021	Unknown / Unknown	C / TBD	DLA	Mar 2021	Mar 2021	2	392,312.00	Y		
3.5) CRAWLER CRANE 50T LATTICE BOOM		2021	Unknown / Unknown	C / TBD	** NO PCO **	Mar 2021	Mar 2021	4	832,730.00	Y		
3.8) EXCAVATOR CRAWLER MOUNTED HYDRAULIC OPERATED NONSTANDARD		2018	VARIOUS / VARIOUS	MIPR	GSA	Aug 2019	Dec 2019	1	363,000.00	Y		
3.9) CRANE TRUCK MOUNTED HYDRAULIC 91-100 TON		2018	GSA / GSA	MIPR	DLA	Aug 2019	May 2020	3	1,326K	Y		
3.9) CRANE TRUCK MOUNTED HYDRAULIC 91-100 TON		2019	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	2	1,353K	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6024 / Construction & Maint Equip					Aggregated Items: Construction & Maint Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.9) CRANE TRUCK MOUNTED HYDRAULIC 91-100 TON		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Dec 2020	4	1,380K	Y		
3.9) CRANE TRUCK MOUNTED HYDRAULIC 91-100 TON		2021	Unknown / Unknown	MIPR	DLA	Mar 2021	Dec 2021	3	1,408K	Y		
3.10) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON (30T)		2020	Unknown / Unknown	C / TBD	DLA	Mar 2020	Dec 2020	5	526,266.00	Y		
3.10) CRANE WHEEL MOUNTED SWING CAB 4X4 15-40 TON (30T)		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	5	536,791.00	Y		
5) EXPEDITIONARY MATERIAL HANDLING EQUIPMENT												
5.1) FORKLIFT 6K DED PRT		2019	VARIOIUS / VARIOUS	MIPR	DLA	Dec 2019	Dec 2020	8	45,000.00	Y		
5.3) TRFK D 53LB PRT		2019	VARIOIUS / VARIOUS	MIPR	DLA	Dec 2019	Dec 2020	3	535,500.00	Y		
5.3) TRFK D 53LB PRT		2020	VARIOIUS / VARIOUS	MIPR	DLA	Feb 2020	Feb 2021	3	546,210.00	Y		
5.3) TRFK D 53LB PRT		2021	VARIOIUS / VARIOUS	MIPR	DLA	Mar 2021	Mar 2022	4	557,134.00	Y		
5.4) TRFK D 12LB PRT		2019	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2021	4	178,068.00	Y		
5.4) TRFK D 12LB PRT		2021	Unknown / Unknown	MIPR	DLA	Mar 2021	Mar 2021	4	181,629.00	Y		
5.5) TRFK D 20LB PRT		2019	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2021	7	290,700.00	Y		
5.5) TRFK D 20LB PRT		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2021	1	296,514.00	Y		
5.6) TRFK 11K TELHDL		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	31	87,060.00	Y		
5.6) TRFK 11K TELHDL		2021	Unknown / Unknown	MIPR	DLA	Oct 2020	Oct 2020	7	88,801.00	Y		
5.8) Truck, Forklift, 15K LPG (132515)		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	53,100.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment										P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment			
ID Code (A=Service Ready, B=Not Service Ready): A										Program Elements for Code B Items: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	0.000	17.984	12.111	10.352	0.801	11.153	15.509	15.887	16.101	16.416	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	0.000	17.984	12.111	10.352	0.801	11.153	15.509	15.887	16.101	16.416	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	0.000	17.984	12.111	10.352	0.801	11.153	15.509	15.887	16.101	16.416	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: This budget line item funds procurement of aircraft fire/rescue trucks and structural/brush fire trucks and hazardous emergency response trucks.													
The aircraft fire/rescue trucks are used at Naval Air Stations for combating aircraft fires and rescue of aircraft crews. The trucks range in size from a small 11,000 pound Gross Vehicle Weight Rating (GVWR) pickup with utility body and twin engine fire fighting unit to the 68,000 pound GVWR crash truck which carries 3,000 gallons of water and 200 gallons of AFFF (foam). The structural/brush fire trucks are used at Naval activities in the same manner as municipal fire trucks in fighting structural and grass fires.													
The Navy's investment in ships, aircraft, facilities, personnel and equipment mandates having adequate fire protection. The requested funds are needed to comply with current National Fire Protection Association (NFPA) standards, sustain the Navy Firefighting Fleet and maintain an effective Firefighting Fleet Modernization Program consistent with findings identified in the DoD IG Report: D-2003-121 DoD Fire and Emergency Services Program. The Firefighting Fleet requires annual investments to ensure emergency response vehicles are within specified service life for safety, technological improvements, and maintenance sustainability. Highly reliable trucks are required as the emergency vehicles are key to success. Some older crash response trucks do not meet roll safety criteria, and require continued replacement to ensure safe working limits. As firefighter staffing is reduced and the all-hazards emergency response mission expands, the Navy's firefighting apparatus must evolve to provide additional capabilities for emergency medical services, rescue, confined space, hazardous materials, etc. The ability to save lives and protect property is essential in supporting the Navy's mission. The role of these trucks is to provide the Navy's response to structural fire emergencies, aircraft rescue fire fighting crashes, emergency medical services incidents, all hazards public safety, and emergency response to terrorism incidents, and weapons of mass destruction.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Fire Fighting Equipment	P-5a			- / 0.000	- / 17.984	- / 12.111	- / 10.352	- / 0.801	- / 11.153
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 17.984	- / 12.111	- / 10.352	- / 0.801	- / 11.153

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The funds requested in FY 2021 will provide for recapitalization requirements to support fielding a fleet of equipment within useful life expectancy.

\$0.958M decrease in funding is due to a delay in recapitalization of transportation assets and construction equipment.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment									Aggregated Items Title: Fire Fighting Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) AIRCRAFT FIRE/RESCUE																				
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM ^(†)	A		-	-	-	474,295.00	1	0.474	-	-	-	491,537.00	2	0.983	-	-	-	491,537.00	2	0.983
1.3) HAZARDOUS RESPONSE VEHICLE - SMALL ^(†)	A		-	-	-	254,250.00	2	0.509	-	-	-	268,171.00	1	0.268	-	-	-	268,171.00	1	0.268
1.4) TRUCK A/ C CRASH FIRE FIGHTING RESCUE 1500 GALLON ^(†)	A		-	-	-	584,069.00	11	6.425	-	-	-	-	-	-	-	-	-	-	-	-
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON ^(†)	A		-	-	-	721,492.00	4	2.886	747,000.00	6	4.482	-	-	-	-	-	-	-	-	-
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB ^(†)	A		-	-	-	260,911.00	2	0.522	266,169.00	4	1.065	274,523.00	3	0.824	-	-	-	274,523.00	3	0.824
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER ^(†)	A		-	-	-	393,494.00	1	0.393	-	-	-	410,270.00	3	1.231	-	-	-	410,270.00	3	1.231
<i>Subtotal: 1) AIRCRAFT FIRE/ RESCUE</i>			-	-	0.000	-	-	11.209	-	-	5.547	-	-	3.306	-	-	-	-	3.306	
2) BRUSH/STRUCTURAL																				
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON ^(†)	A		-	-	-	628,941.00	2	1.258	-	-	-	652,450.00	2	1.305	-	-	-	652,450.00	2	1.305
2.2) TRUCK FIRE FIGHTING AERIAL 100 FT LADDER RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	1,142K	1	1.142	-	-	-	-	-	-	-	-	-
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER ^(†)	A		-	-	-	770,473.00	1	0.770	-	-	-	804,262.00	2	1.609	-	-	-	804,262.00	2	1.609
2.4) TRUCK FIRE FIGHTING BRUSH/ GRASS 50 GPM 200 GALLON ^(†)	A		-	-	-	205,718.00	1	0.206	207,262.00	3	0.622	209,367.00	1	0.209	-	-	-	209,367.00	1	0.209
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM ^(†)	A		-	-	-	387,233.00	9	3.485	396,452.00	8	3.172	406,050.00	4	1.624	406,050.00	1	0.406	406,050.00	5	2.030

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment									Aggregated Items Title: Fire Fighting Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER ^(†)	A		-	-	-	351,915.00	3	1.056	361,058.00	1	0.361	369,259.00	1	0.369	369,000.00	1	0.369	369,000.00	2	0.738
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE ^(†)	A		-	-	-	-	-	-	422,234.00	3	1.267	426,619.00	4	1.706	-	-	-	426,619.00	4	1.706
2.8) ILS FOR FIREFIGHTING EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	0.224	-	-	0.026	-	-	0.250
<i>Subtotal: 2) BRUSH/STRUCTURAL</i>			-	-	0.000	-	-	6.775	-	-	6.564	-	-	7.046	-	-	0.801	-	-	7.847
Total			-	-	0.000	-	-	17.984	-	-	12.111	-	-	10.352	-	-	0.801	-	-	11.153

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment					Aggregated Items: Fire Fighting Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) AIRCRAFT FIRE/RESCUE												
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Jan 2021	1	474,295.00	Y		
1.2) HAZARDOUS RESPONSE VEHICLE - MEDIUM		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2021	Jan 2022	2	491,537.00	Y		
1.3) HAZARDOUS RESPONSE VEHICLE - SMALL	✓	2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Apr 2021	2	254,250.00	Y		
1.3) HAZARDOUS RESPONSE VEHICLE - SMALL		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2021	Feb 2022	1	268,171.00	Y		
1.4) TRUCK A/C CRASH FIRE FIGHTING RESCUE 1500 GALLON		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Jun 2021	11	584,069.00	Y		
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Mar 2021	4	721,492.00	Y		
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON		2020	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Mar 2021	5	739,363.00	Y		
1.5) TRUCK A/C CRASH FIRE FIGHTING RESCUE 3000 GALLON	✓	2020	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Mar 2021	1	785,363.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Feb 2021	1	260,911.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB	✓	2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Feb 2021	1	260,911.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2020	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Feb 2021	4	266,169.00	Y		
1.6) TRUCK A/C FIRE FIGHTING RESCUE 6 MAN CAB		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2021	Jan 2022	3	274,523.00	Y		
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Apr 2021	1	393,494.00	Y		
1.7) TRUCK TWIN AGENT UNIT FOR FOAM AND WATER		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2021	Mar 2022	3	410,270.00	Y		
2) BRUSH/STRUCTURAL												
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Apr 2021	2	628,941.00	Y		
2.1) BRUSH/GRASS FIRE FIGHTING 250 GPM 500 GALLON		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Feb 2021	Feb 2022	2	652,450.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6027 / Fire Fighting Equipment					Aggregated Items: Fire Fighting Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.2) TRUCK FIRE FIGHTING AERIAL 100 FT LADDER RIGHT HAND DRIVE		2020	UNKNOWN / UNKNOWN	MIPR	FEAD Yokosuka	Apr 2020	Apr 2021	1	1,142K	Y		
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Jan 2021	1	770,473.00	Y		
2.3) TRUCK FIRE FIGHTING AERIAL 75 FT LADDER		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Mar 2021	Dec 2021	2	804,262.00	Y		
2.4) TRUCK FIRE FIGHTING BRUSH/GRASS 50 GPM 200 GALLON		2019	Unknown / Unknown	MIPR	DSCP	Apr 2020	Apr 2021	1	205,718.00	Y		
2.4) TRUCK FIRE FIGHTING BRUSH/GRASS 50 GPM 200 GALLON		2020	Unknown / Unknown	MIPR	DSCP	Apr 2020	Apr 2021	3	207,262.00	Y		
2.4) TRUCK FIRE FIGHTING BRUSH/GRASS 50 GPM 200 GALLON		2021	Unknown / Unknown	MIPR	DSCP	Apr 2021	Apr 2022	1	209,367.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2019	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2020	Apr 2021	9	387,233.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2020	UNKNOWN / UNKNOWN	MIPR	DSCP	Jun 2020	Jun 2021	8	396,452.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM		2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2021	Apr 2022	4	406,050.00	Y		
2.5) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM	✓	2021	UNKNOWN / UNKNOWN	MIPR	DSCP	Apr 2021	Apr 2021	1	406,050.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2019	Unknown / Unknown	MIPR	DSCP	Apr 2020	Apr 2021	3	351,915.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2020	Unknown / Unknown	MIPR	DSCP	Apr 2020	Apr 2021	1	361,058.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER		2021	Unknown / Unknown	MIPR	DSCP	May 2021	May 2022	1	369,259.00	Y		
2.6) TRUCK FIRE FIGHTING AGENT RESUPPLIER WATER	✓	2021	Unknown / Unknown	MIPR	DSCP	May 2021	May 2021	1	369,000.00	Y		
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE		2020	Unknown / Unknown	C / FP	FEAD Yokosuka	Apr 2020	Apr 2021	3	422,234.00	Y		
2.7) TRUCK FIRE STRUCTURAL PUMPER 1250 GPM RIGHT HAND DRIVE		2021	Unknown / Unknown	C / FP	FEAD Yokosuka	Feb 2021	Feb 2022	4	426,619.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:											
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					6028 / Tactical Vehicles											
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A								
Line Item MDAP/MAIS Code: N/A																
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total				
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Cost (\$ in Millions)	39.369	27.222	32.004	31.475	0.000	31.475	32.835	34.560	28.348	28.643	Continuing	Continuing				
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Net Procurement (P-1) (\$ in Millions)	39.369	27.222	32.004	31.475	0.000	31.475	32.835	34.560	28.348	28.643	Continuing	Continuing				
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Total Obligation Authority (\$ in Millions)	39.369	27.222	32.004	31.475	0.000	31.475	32.835	34.560	28.348	28.643	Continuing	Continuing				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				
Description:																
This budget line item funds procurement of light and medium duty tactical equipment used primarily by the Naval Expeditionary Combat Command (NECC), Naval Special Warfare (NSW), Maritime Prepositioning Force (MPF), Naval Beach Group (N BG), and other special operating units. This line also includes Force Protection requirements funding for Tactical Vehicles.																
This budget line funds procurement of Joint Light Tactical Vehicle (JLTV) Heavy Gun variant for US Navy SEAL combat operations and Expeditionary Mine Counter Measures (ExMCM) operations within IED rich environments. The JLTV has been identified as the primary solution for protection and performance over the HMMWV. The existing HMMWV vehicle frame is not sufficient protection for use by NSW in combat roles in areas with an IED or heavy weapons threat. NSW is moving to the JLTV as a combat vehicle which will address the requirement of a light duty tactical vehicle with air transport, water fording, and enhanced combat mobility capability while also providing the required IED protection to NSW Operators.																
This budget line items also funds light duty tactical vehicles (HMMWVs/LSSVs) used by NECC, MPF, N BG, and NSW US Navy SEALs for the movement of personnel and equipment. Medium tactical(MTVR/MRAPs/MSSV) trucks are required for rapid deployment of containerized table of allowance material and have air transport, water fording, and enhanced combat mobility capability. Medium tactical cargo trucks are used for material/equipment movement and delivery. Medium tactical dump trucks are used to support combat construction of airfields, landing zones, road battle damage repair and rapid runway repair.																
This program includes funds for the procurement of HMMWVs to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Equipment is used in support of Strategic Systems Programs (SSP) mission of securing the Limited Area and provides for security vehicles to replace existing (aging) vehicles used in roving patrols of the Limited Area and to support TRIDENT II (D5) missile movement convoys.																
[P40A / Acquisition Support]: Acquisition support provides for government oversight of the acquisition process, program management support, acquisition engineering and technical support, review and evaluation of design data, writing of contracts and Contract Data Requirements Lists (CDRL), contract deliverable monitoring, evaluation of Engineering Change Proposals (ECP), configuration control and quality assurance, status reports and technical briefings, collection of performance metrics, and all other support efforts directly related to the delivery of equipment.																
[P40A / Acquisition Support]: Acquisition support provides for government oversight of the acquisition process, program management support, acquisition engineering and technical support, review and evaluation of design data, writing of contracts and Contract Data Requirements Lists (CDRL), contract deliverable monitoring, evaluation of Engineering Change Proposals (ECP), configuration control and quality assurance, status reports and technical briefings, collection of performance metrics, and all other support efforts directly related to the delivery of equipment.																

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				6028 / Tactical Vehicles						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Tactical Vehicles	P-5a			- / 39.369	- / 27.222	- / 32.004	- / 31.475	- / -	- / 31.475
P-40	Total Gross/Weapon System Cost				- / 39.369	- / 27.222	- / 32.004	- / 31.475	- / 0.000	- / 31.475

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

\$0.529M decrease in funding is due to a reduced amount of equipment in the replacement cycle in FY2021 that have met/exceeded their service life.

The funds requested in FY21 will provide for, but not limited to:

- Naval Special Warfare (NSW) procurement of Joint Light Tactical Vehicle (JLTV) for Navy Combat Service Support (CSS) elements and US Navy SEAL combat operations. These materiel assets support the SEALs core mission requirements and are essential to the readiness and battlefield effectiveness of these Special Forces. FY21 reflects the continuation of resourcing this updated requirement to include both combat and training assets of the Heavy Gun variant as part of a multi-year plan to properly outfit both Naval CSS and US SEAL Teams, enabling maximum lethality in the Near-Peer fight as well as in Counter-Violent Extremist Organizations (VEOs). Further details are available at a higher classification.

- Light Service Support Vehicles (LSSVs) which have surpassed their life expectancy and will be deployed to the Expeditionary Medical Forces, Explosive Ordnance Disposal Units, Expeditionary Mine Countermeasures (ExMCM), and Coastal Riverine Units. LSSV's are at end of service life and are required to be recapitalized to meet both Expeditionary Medical rotation schedule and Combat Command mission requirements. The Expeditionary Medical Facility (EMF) Tables of Allowance are forward deployed and are only be accessed once every 5 years. The LSSV procurements are aligned to meet the unit rotation schedule.

- Medium Service Support Vehicle (MSSV) will be procured to initially outfit the newly established Expeditionary MCM (ExMCM) Company. There are a total of 16 Companies, 8 on the west coast and 8 on the east coast. The MSSV will be used to transport and deploy ExMCM equipment and capabilities to various locations. The ExMCM Company was initially conceived in 2012 as a response to a Commander, U.S. Central Command (CENTCOM) Joint Urgent Operational Need for increased mine countermeasures (MCM) capacity at a time of heightened tensions in the CENTCOM Area of Responsibility (AOR). Utilizing special Office of Secretary of Defense (OSD) Fastlane acquisition authorities, the U.S. Navy Explosive Ordnance Disposal (EOD) community rapidly fielded a force to employ newly acquired unmanned underwater vehicles (UUVs) in concert with legacy MCM platforms and assets, many of them nearing the end of their projected service life. The MSSV will be utilized as the prime mover of the EXMCM boat capability in permissive environments.

-Force Protection: Funding will provide for integration of installation kits for C4ISR and CREW equipment into multiple tactical vehicle platforms. Outfitting of this gear is a lesson learned from OIF/OEF when the Expeditionary Forces lacked means to communicate across vehicles within the same convoy, capability to identify friendly forces, and to identify and defeat Improvised Explosive Devices (IEDs). Lacking these capabilities created unnecessary life-safety risks.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6028 / Tactical Vehicles									Aggregated Items Title: Tactical Vehicles						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Light Trucks																				
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) ^{(1)(t)}	A		420,000.00	3	1,260	428,400.00	8	3,427	436,968.00	19	8,302	445,707.00	25	11.143	-	-	-	445,707.00	25	11.143
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS ^(†)	A		53,024.79	121	6,416	52,200.00	52	2,714	53,060.00	71	3,767	54,120.00	74	4.005	-	-	-	54,120.00	74	4.005
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4 ^(†)	A		73,500.00	2	0.147	75,000.00	1	0.075	75,480.00	6	0.453	76,989.00	1	0.077	-	-	-	76,989.00	1	0.077
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL ^(†)	A		159,250.00	20	3.185	-	-	-	173,189.00	5	0.866	-	-	-	-	-	-	-	-	-
1.6) TRUCK, UP-ARMORED HMMWV, 4X4 ^{(2)(†)}	A		-	-	-	198,500.00	2	0.397	198,000.00	2	0.396	207,800.00	5	1.039	-	-	-	207,800.00	5	1.039
<i>Subtotal: 1) Light Trucks</i>						11.008			6.613			13.784			16.264					16.264
2) Medium Trucks																				
2.1) Medium Service Support Vehicle ^(†)	A		-	-	-	-	-	-	-	-	-	117,600.00	9	1.058	-	-	-	117,600.00	9	1.058
2.2) TRUCK CARGO 7 TON MTVR AMK25A1 W/W, SB, RH ^(†)	A		-	-	-	-	-	-	390,299.00	14	5.464	-	-	-	-	-	-	-	-	-
<i>Subtotal: 2) Medium Trucks</i>						0.000			-			5.464			1.058					1.058
3) ILS Support Cost																				
3.1) ILS Support Cost	A		-	-	0.855	-	-	-	-	-	0.155	-	-	0.075	-	-	-	-	-	0.075
<i>Subtotal: 3) ILS Support Cost</i>					0.855						0.155			0.075						0.075
4) Force Protection																				
4.1) Ready to Accept Armor (RTAA) modifications	A		-	-	5.436	-	-	4.258	-	-	2.252	-	-	-	-	-	-	-	-	-
4.2) Modifications to integrate communications equipment	A		-	-	19.284	-	-	7.565	-	-	8.749	-	-	11.373	-	-	-	-	-	11.373
4.3) Modifications to integrate communications equipment (RESERVE FORCES)	A		-	-	0.450	-	-	1.488	-	-	-	-	-	-	-	-	-	-	-	
4.4) MRAP ECP	A		-	-	2.336	-	-	7.298	-	-	1.600	-	-	0.320	-	-	-	-	-	0.320

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy													Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6028 / Tactical Vehicles								Aggregated Items Title: Tactical Vehicles							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
Subtotal: 4) Force Protection			-	-	27.506	-	-	20.609	-	-	12.601	-	-	11.693	-	-	-	-	11.693	
5) Acquisition Support⁽³⁾																				
5.1) Acquisition Support	A		-	-	-	-	-	-	-	-	-	-	-	-	2.385	-	-	-	-	2.385
Subtotal: 5) Acquisition Support			-	-	0.000	-	-	-	-	-	-	-	-	-	2.385	-	-	-	-	2.385
Total			-	-	39.369	-	-	27.222	-	-	32.004	-	-	31.475	-	-	-	-	-	31.475

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) JLTV unit cost is coordinated with the Joint Program Office and reflects the latest contract estimates. US Navy JLTV unit cost incorporates a Navy specific configuration reflecting the addition of increased quantity of Heavy Gun Variant as well as an 'All-Up' pricing for option kits and associated engineering, integration and support costs. Due to these factors US Navy JLTV unit pricing will reflect in a difference of unit cost compared to the USMC.

(2) Additional security vehicles are being procured in FY21 to comply with the updated Security Forces Tactics, Techniques and Procedures (TTPs). The current vehicle fleet is not sufficient to meet the demands of the increased optempo and are requiring more frequent maintenance making them unavailable to support the mission.

(3) Funding was increased for acquisition support resulting from the conversion of NAVFAC Engineering and Expeditionary Warfare Center (EXWC) from a General Fund entity to a Navy Working Capital Fund entity.

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6028 / Tactical Vehicles					Aggregated Items: Tactical Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Light Trucks												
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) (1)		2018	Oshkosh Defense LLC / Oshkosh	C / FFP	TACOM	Oct 2018	Aug 2019	3	420,000.00	Y		Feb 2014
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) (1)		2019 ⁽⁴⁾	Oshkosh Defense LLC / Oshkosh	C / FFP	TACOM	Dec 2019	Oct 2020	8	428,400.00	Y		
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) (1)		2020	Oshkosh Defense LLC / Oshkosh	C / FFP	TACOM	Dec 2019	Oct 2020	19	436,968.00	Y		
1.1) JOINT LIGHT TACTICAL VEHICLE (JLTV) (1)		2021	Oshkosh Defense LLC / Oshkosh	C / FFP	TACOM	Nov 2020	Sep 2021	25	445,707.00	N		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2016	GSA Federal Supply / Norfolk, VA	MIPR	GSA	May 2016	Aug 2016	25	50,000.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2017	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Oct 2017	Jan 2018	64	55,214.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2018	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Feb 2018	May 2018	32	51,000.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2019	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Feb 2019	May 2019	52	52,200.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2020	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Dec 2019	Mar 2020	71	53,060.00	Y		
1.2) LSSV CARGO CREWCAB 4X4 TROOP SEATS		2021	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Dec 2020	Mar 2021	74	54,120.00	Y		
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2017	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Jan 2017	May 2017	2	73,275.00	Y		
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2019	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Oct 2018	Feb 2019	1	75,000.00	Y		
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2020	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Dec 2019	Apr 2020	6	75,480.00	Y		
1.3) LSSV MAINTENANCE UTILITY CREWCAB 4X4		2021	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Nov 2020	Mar 2021	1	76,989.00	N		
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL		2017	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Oct 2017	Feb 2018	10	152,000.00	Y		
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL		2018	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Feb 2018	Jun 2018	10	166,464.00	Y		
1.4) LSSV TRUCK LITTER CARRIER 4X4 TWO DOOR DIESEL		2020	GSA Federal Supply / Norfolk, VA	MIPR	GSA	Dec 2019	Apr 2020	5	173,189.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6028 / Tactical Vehicles					Aggregated Items: Tactical Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.6) TRUCK, UP-ARMORED HMMWV, 4X4 ⁽²⁾		2019	GSA / GSA	MIPR	GSA	Jul 2019	Apr 2020	2	198,500.00	Y		
1.6) TRUCK, UP-ARMORED HMMWV, 4X4 ⁽²⁾		2020	GSA / GSA	MIPR	GSA	Jun 2020	Mar 2021	2	198,000.00	Y		
1.6) TRUCK, UP-ARMORED HMMWV, 4X4 ⁽²⁾		2021	GSA / GSA	MIPR	GSA	Jun 2021	Mar 2022	5	207,800.00	Y		
2) Medium Trucks												
2.1) Medium Service Support Vehicle		2021	Unknown / Unknown	C / TBD	Port Hueneme, CA	Mar 2021	Mar 2021	9	117,600.00	N		
2.2) TRUCK CARGO 7 TON MTVR AMK25A1 W/W, SB, RH		2020	Unknown / Unknown	C / TBD	Port Hueneme, CA	May 2020	May 2020	14	390,299.00	Y		

Footnotes:

⁽⁴⁾ The JLTV procurement for FY19 will be combined with FY20 in coordination with the primary Joint Program Office (JPO) procurement (US Army and US Marine Corps). This will maximize efficiencies and ensure full procurement of the requirement. Purchasing JLTV outside this window significantly increases the unit price and will reduce the overall buy below the validated quantities in the President's budget.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					P-1 Line Item Number / Title: 6033 / Amphibious Equipment								
ID Code (A=Service Ready, B=Not Service Ready): A					Program Elements for Code B Items: N/A						Other Related Program Elements: N/A		
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	57.617	6.176	0.000	0.000	0.000	0.000	0.000	12.122	12.287	12.528	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	57.617	6.176	0.000	0.000	0.000	0.000	0.000	12.122	12.287	12.528	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	57.617	6.176	0.000	0.000	0.000	0.000	0.000	12.122	12.287	12.528	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	0.132	0.023	-	0.023	0.017	0.049	0.368	0.368	Continuing	Continuing	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description:													
This budget line item funds the procurement of equipment to support Navy-Marine Corps amphibious operations, Logistics Over the Shore, and Joint Logistics Over the Shore operations. This provides the ability to execute the ship to shore transfer of vehicles, dry cargo, and liquid cargo, delivered over bare beaches, as well as through improved and semi-improved port facilities.													
This program is a critical component that enables the Maritime Prepositioning Force (MPF) concept. It is designed and intended to interface with MPF vessels during initial combat operations (Assault Echelon and immediate sustainment of the AE force) and then with Roll-On/Roll-Off, container, dry cargo, and liquid cargo ships to provide war material to the Assault Follow-On Echelon (AFOE). The equipment is employed by the Naval Support Element (Naval Beach Groups) and the Amphibious Ready Group-Marine Expeditionary Unit (ARG/MEU) team.													
The Improved Navy Lighterage System (INLS) consists of Causeway Ferries (CF), Warping Tugs (WT), a Roll-on/Roll-off Discharge Facility (RRDF), and a Floating Causeway (FC) pier. All of these systems work in concert to deliver critical war material from MPF and AFOE ships, across a bare beach, and into the hands of warfighters. The INLS achieved IOC in FY06 and FOC in FY11, requiring sustainment efforts to maintain availability for operation in the face of aging components and technical obsolescence of the various control systems. The Sealift Support Program Office is providing lifecycle support to the INLS program as well as other specialized equipment and vehicles that directly participate in and contribute to amphibious operations. Specific to this lifecycle support mission, an improvement is being made to the waterjet system to extend the lifespan of critical components that otherwise would render the craft non-mission capable if the component were to fail, necessitating a significant and time-consuming depot-level repair.													
The Amphibious Surf Capable Vehicle (ASCV) will replace the 1960s era, Army procured Lighter, Amphibious Resupply, Cargo 5-ton (LARC-V). It is planned as a low cost replacement of the operational capabilities delivered by the LARC-V. The ASCV will support the full range of military operations, as identified in each unit's Required Operational Capabilities and Prospective Operating Environment (ROC/POE), for Beachmaster Units (BMU) ONE and TWO, Naval Beach Unit (NBU) SEVEN, and Underwater Construction Team (UCT) ONE and TWO.													
[P5 / LARC REPLACEMENT]: Amphibious Surf Capable Vehicle (ASCV) has been approved as an ACAT IV (T) program and is still in Development at the Milestone A Decision. Unit price info is based on parametric estimates as of April 2017 and will be refined as the development matures through the RDTE(N) stages. Milestone B decision is scheduled for Quarter 2 FY20. Updated cost estimates will be available going into that Milestone.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6033 / Amphibious Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Amphibious Equipment	P-5a			- / 57.617	- / 6.176	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 57.617	- / 6.176	- / 0.000	- / 0.000	- / 0.000	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

There are no funds budgeted in FY 2021. Outfitting of the Water Quality System (WQS) modification for all modules of the Improved Navy Lighterage System (INLS) will be completed in FY19. The next Amphibious investment requirement is replacement of the LARCV. This new replacement system, Amphibious Surf Capable Vehicle, has just completed Milestone A. Research and development phases are planned until 2022, yielding the next required investment in P-1 Line 6033 to be 2023.

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Exhibit P-5, Cost Analysis: PB 2021 Navy												Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1				P-1 Line Item Number / Title: 6033 / Amphibious Equipment								Item Number / Title [DODIC]: 1 / Amphibious Equipment					
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:					
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total			
Procurement Quantity (<i>Units in Each</i>)				-		-		-		-		-		-			
Gross/Weapon System Cost (\$ in Millions)				57.617		6.176		0.000		0.000		0.000		0.000			
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				57.617		6.176		0.000		0.000		0.000		0.000			
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-			
Total Obligation Authority (\$ in Millions)				57.617		6.176		0.000		0.000		0.000		0.000			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)				-		-		0.132		0.023		-		0.023			
Gross/Weapon System Unit Cost (\$ in Dollars)				-		-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																	
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total	
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)
Hardware - OTHER AMPHIB SPECIALIZED EQUIPMENT Cost																	
Recurring Cost																	
1.1.2) INLS MODULES ^(†) (1)	968,862.07	58	56.194	1,235K	4	4.941	-	-	-	-	-	-	-	-	-	-	-
1.1.3) INLS ACQUISITION LOGISTICS COST	-	-	1.423	-	-	1.235	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	57.617	-	-	6.176	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - OTHER AMPHIB SPECIALIZED EQUIPMENT Cost</i>	-	-	57.617	-	-	6.176	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	57.617	-	-	6.176	-	-	0.000	-	-	0.000	-	-	0.000	-	0.000
(†) indicates the presence of a P-5a																	
Footnotes:																	
(1) The cost growth from FY18 to FY19 is due to 3 factors: (1)The final 6 craft will be modified at an alternate location to with a higher locality cost (Coronado, CA), (2)these final craft were the LRIP craft and are different configuration which will require some engineering effort, (3) the current contract will reach the end of the period of performance in FY18, yielding the requirement to re-compete the contract in FY19.																	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6033 / Amphibious Equipment					Item Number / Title [DODIC]: 1 / Amphibious Equipment				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) INLS MODULES		2014	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2014	Sep 2014	6	913,333.33	Y		
1.1.2) INLS MODULES		2015	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2015	Sep 2015	8	936,000.00	Y		
1.1.2) INLS MODULES		2016	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Feb 2016	Aug 2016	12	1,027K	Y		
1.1.2) INLS MODULES		2017	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Apr 2017	Oct 2017	8	959,500.00	Y		
1.1.2) INLS MODULES		2018	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Nov 2017	Nov 2017	12	1,010K	Y		
1.1.2) INLS MODULES		2019	Wartsila Defense, Inc / Houston, TX	C / FP	NAVFAC	Mar 2019	Mar 2019	4	1,235K	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy											Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:								
1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					6058 / Pollution Control Equipment								
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	8.087	2.713	2.633	2.630	0.000	2.630	2.729	2.799	2.836	2.892	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	8.087	2.713	2.633	2.630	0.000	2.630	2.729	2.799	2.836	2.892	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	8.087	2.713	2.633	2.630	0.000	2.630	2.729	2.799	2.836	2.892	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: The Navy Ashore Pollution Control Equipment program funds hazardous substance spill containment and recovery systems.													
Funding requirements for the Navy's oil spill program include procurement of oil spill containment booms and related deployment equipment. After initial containment with boom, shore activities can efficiently collect spilled oil with vacuum trucks. This equipment will enable the Navy to meet the requirements established by the EPA in the National Contingency Plan which requires rapid and effective response to oil spills. The revised National Spill Contingency Plan mandates that the DOD and the Navy assume responsibility for their own oil and hazardous substance spills. These broad responsibilities require the Navy to maintain sufficient spill response equipment for the Navy activities worldwide, such as oil spill containment systems and recovery systems. The severe oil spills in Alaska, California and the Gulf of Mexico have increased the public's sensitivity to releases of oil into the environment.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6058 / Pollution Control Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Pollution Control Equipment	P-5a			- / 8.087	- / 2.713	- / 2.633	- / 2.630	- / -	- / 2.630
P-40	Total Gross/Weapon System Cost				- / 8.087	- / 2.713	- / 2.633	- / 2.630	- / 0.000	- / 2.630

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Additional procurement of shore based equipment in FY21 is required to improve mission readiness at Naval Installations. Without additional procurement, there is increased maintenance costs to extend equipment service life and readiness is impacted during increased maintenance cycle times.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy													Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6058 / Pollution Control Equipment								Aggregated Items Title: Pollution Control Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO				
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)		
1) POLLUTION CONTROL EQUIPMENT																			
1.1) RESPONSE BOOM ^(†)	A		11,372.99	311	3.537	11,868.69	99	1.175	12,104.17	96	1.162	12,380.36	91	1.127	-	-	12,380.36	91	1.127
1.2) PERMANENT BOOM ^(†)	A		20,504.67	107	2.194	21,424.24	33	0.707	21,843.75	32	0.699	22,312.50	32	0.714	-	-	22,312.50	32	0.714
1.3) BOOM SUPPORT EQUIPMENT ^(†)	A		17,515.63	64	1.121	18,272.73	22	0.402	18,611.11	18	0.335	19,069.33	18	0.343	-	-	19,069.33	18	0.343
1.4) VACUUM TRUCK ^(†)	A		102,916.67	12	1.235	107,348.60	4	0.429	109,250.00	4	0.437	111,500.00	4	0.446	-	-	111,500.00	4	0.446
<i>Subtotal: 1) POLLUTION CONTROL EQUIPMENT</i>			-	-	8.087	-	-	2.713	-	-	2.633	-	-	2.630	-	-	-	-	2.630
Total			-	-	8.087	-	-	2.713	-	-	2.633	-	-	2.630	-	-	-	-	2.630

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6058 / Pollution Control Equipment					Aggregated Items: Pollution Control Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) POLLUTION CONTROL EQUIPMENT												
1.1) RESPONSE BOOM		2016	DESMI-AFTI / Ochard Park, NY	C / FP	FISC	Jun 2016	Aug 2016	117	11,128.21	Y		
1.1) RESPONSE BOOM		2017	American Pollution Control Corp. / New Iberia, LA	C / FP	FISC	Jan 2017	Mar 2017	95	11,381.00	Y		
1.1) RESPONSE BOOM		2018	Oil Stop / APC Harvey, LA	C / FP	FISC	Feb 2018	Apr 2018	99	11,656.57	Y		
1.1) RESPONSE BOOM		2019	American Pollution Control Corp. / New Iberia, LA	C / FP	FISC	Mar 2019	May 2019	99	11,868.69	Y		
1.1) RESPONSE BOOM		2020	Unknown / Unknown	C / FP	FISC	Mar 2020	May 2020	96	12,104.17	Y		
1.1) RESPONSE BOOM		2021	Unknown / Unknown	C / FP	FISC	Mar 2021	May 2021	91	12,380.36	Y		
1.2) PERMANENT BOOM		2016	AmericanPollutionControlCorp / New Iberia, LA	C / FP	FISC	Feb 2016	Apr 2016	45	20,086.96	Y		
1.2) PERMANENT BOOM		2017	DESMI-AFTI / Ochard Park, NY	C / FP	FISC	Mar 2017	Jun 2017	30	20,566.67	Y		
1.2) PERMANENT BOOM		2018	Oil Stop / APC Harvey	C / FP	FISC	Feb 2018	Apr 2018	32	21,031.25	Y		
1.2) PERMANENT BOOM		2019	Parker Systems Inc. / Chesapeake, VA	C / FP	FISC	Apr 2019	Jun 2019	33	21,424.24	Y		
1.2) PERMANENT BOOM		2020	Unknown / Unknown	C / FP	FISC	Mar 2020	May 2020	32	21,843.75	Y		
1.2) PERMANENT BOOM		2021	Unknown / Unknown	C / FP	FISC	Oct 2020	Dec 2020	32	22,312.50	Y		
1.3) BOOM SUPPORT EQUIPMENT		2016	American Marine Inc. / Cocoa, FL	C / FP	FISC	Mar 2016	May 2016	24	17,125.00	Y		
1.3) BOOM SUPPORT EQUIPMENT		2017	DESMI-AFTI, Inc. / Orchard Park, NY	C / FP	FISC	Mar 2017	Jun 2017	18	17,526.00	Y		
1.3) BOOM SUPPORT EQUIPMENT		2018	Parker Systems Inc. / Chesapeake, VA	C / FP	FISC	Feb 2018	Apr 2018	22	17,954.55	Y		
1.3) BOOM SUPPORT EQUIPMENT		2019	Elastic, Inc. / Carmi, IL	C / FP	FISC	Apr 2019	Jun 2019	22	18,272.73	Y		
1.3) BOOM SUPPORT EQUIPMENT		2020	Unknown / Unknown	C / FP	FISC	Mar 2020	Jun 2020	18	18,611.11	Y		
1.3) BOOM SUPPORT EQUIPMENT		2021	Unknown / Unknown	C / FP	FISC	Mar 2021	Jun 2021	18	19,069.33	Y		
1.4) VACUUM TRUCK		2016	Walker Group Holdings, LLC / New Lisbon, WI	C / FP	GSA	Jun 2016	Dec 2016	4	100,350.00	Y		
1.4) VACUUM TRUCK		2017	Atlantic Machinery Inc. / Silver Spring, MD	C / FP	DLA	Sep 2017	Mar 2018	3	102,500.00	Y		
1.4) VACUUM TRUCK		2018	Walker Group Holdings, LLC / New Lisbon, WI	C / FP	GSA	Jul 2018	Jan 2019	5	105,200.00	Y		
1.4) VACUUM TRUCK		2019	Isometrics Inc. / Reidsville, NC	C / FP	GSA	Feb 2019	Jan 2020	4	107,348.60	Y		
1.4) VACUUM TRUCK		2020	Unknown / Unknown	C / FP	GSA	Jun 2020	Dec 2021	4	109,250.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6058 / Pollution Control Equipment								Aggregated Items: Pollution Control Equipment	
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.4) VACUUM TRUCK		2021	Unknown / Unknown	C / FP	GSA	Jun 2021	Dec 2022	4	111,500.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					P-1 Line Item Number / Title: 6060 / Items less than \$5 Million												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A						Other Related Program Elements: N/A								
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total					
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Cost (\$ in Millions)	37.942	42.498	53.467	47.972	0.000	47.972	52.774	54.801	59.511	59.379	Continuing	Continuing					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Net Procurement (P-1) (\$ in Millions)	37.942	42.498	53.467	47.972	0.000	47.972	52.774	54.801	59.511	59.379	Continuing	Continuing					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Total Obligation Authority (\$ in Millions)	37.942	42.498	53.467	47.972	0.000	47.972	52.774	54.801	59.511	59.379	Continuing	Continuing					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Description:																	
SPECIAL PURPOSE VEHICLES/EQUIPMENT																	
This program includes special purpose vehicles and trailers of commercial design which support the Naval Expeditionary Combat Command (NECC), shore activities, and Naval Special Warfare. Included are tank trucks used to transport fuel to construction equipment at remote locations, waste disposal trucks used to transport waste oil/water, overhead maintenance trucks with insulated buckets and pole and line trucks used for repair/replacement of power systems, wreckers used in vehicle recovery/towing, field servicing vehicles used for on-site preventive maintenance of construction equipment in the field, and ammunition handling trucks used in loading/unloading and transporting munitions. Truck tractors and trailers required by the active operating forces in the logistics support of the fleet are also included in this program. Representative types and uses include van and stake bed semi-trailers to support loading/unloading of ships and aircraft and movement of materials and equipment for fleet operations, lowbed semitrailers for transport of construction equipment, tank trailers for transport and dispensing of water, fuel, and hazardous liquids, and semi-trailers transport of materials.																	
This program includes funds for the procurement of Bearcats, used on paved or improved roads, to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Equipment is used in support of Strategic Systems Programs (SSP) mission of securing the Limited Area and provides for security vehicles to replace existing (aging) vehicles used in roving patrols of the Limited Area and to support TRIDENT II (D5) missile movement convoys.																	
COMBAT CONSTRUCTION SUPPORT EQUIPMENT																	
The equipment included in this program is used by the Naval Expeditionary Combat Command (NECC), Naval Beach Group (NBG), and Naval Special Warfare to provide responsive military construction support to the Navy, Marine Corps, and other forces during military operations, construction of base facilities, and in the conduct of limited defensive operations. These facilities and equipment are vital for maintaining the integrity and sustainability of these units during contingency and wartime operations. Equipment items include containers, required for prepacking and securing on-site storage of expensive equipment to expedite mobilization, fuel storage tanks required for on-site storage of fuel, water purification units required for camp water treatment systems, water storage tanks (collapsible fabric) required for water treatment, storage and distribution systems, power distribution panelboards required for camp electrical distribution systems, and tension fabric structures required for expeditionary facilities to provide equipment maintenance and company shops, berthing, laundry, and combat operations centers.																	
OCEAN CONSTRUCTION EQUIPMENT																	
Ocean Construction Equipment are those specialized equipment and facilities components used primarily by Naval Expeditionary Combat Command (NECC) and the Ocean Facilities Department of the NAVFAC Engineering and Expeditionary Warfare Center (EXWC) to perform site selection, construction, inspection, maintenance, repair and removal of fleet and other Navy fixed underwater and ocean facilities, and in																	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment		P-1 Line Item Number / Title: 6060 / Items less than \$5 Million		
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A		
Line Item MDAP/MAIS Code: N/A				
support of shore-based hyperbarics. Most of the equipment is for the Ocean Construction Equipment Inventory (OCEI). In accordance with SECNAVINST 5400.15C and OPNAVINST 5450.348, it is centrally procured and maintained by the Naval Facilities Engineering Command in a controlled inventory to ensure the NECC and EXWC response to fleet needs is both timely and adequate. Utilization of funds from this program sustains NECC and EXWC capability to meet fleet requirements for ocean facility site survey, construction, inspection, repair, and removal, resulting in the ability of the fleet to retain its readiness through utilization of its underwater facilities. The funds requested in FY21 for specialized ocean construction equipment will be utilized to procure underwater survey systems, underwater sonar systems, and underwater construction equipment				
MOBILE UTILITIES SUPPORT EQUIPMENT (MUSE) Equipment in this program consists of electric power generation plants, electric substations, and electric switch gear. MUSE provides short-term support for fleet and shore utility requirements resulting from equipment failures, changes in planning and programming, temporary replacement of utilities equipment which is out of service, ship support and testing, expeditionary military operations, and utilities outages resulting from natural disaster. Operations supported are submarine testing, ships' repair, retrofit and nuclear refueling, cold iron applications, serious utility system deficiencies, MILCON delay, and advanced base requirements.				
[P40A / Acquisition Support]: Acquisition support provides for government oversight of the acquisition process, program management support, acquisition engineering and technical support, review and evaluation of design data, writing of contracts and Contract Data Requirements Lists (CDRL), contract deliverable monitoring, evaluation of Engineering Change Proposals (ECP), configuration control and quality assurance, status reports and technical briefings, collection of performance metrics, and all other support efforts directly related to the delivery of equipment.				

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment				P-1 Line Item Number / Title: 6060 / Items less than \$5 Million					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A					
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Items under \$5 million	P-5a			- / 37.942	- / 42.498	- / 53.467	- / 47.970	- / -
P-40	Total Gross/Weapon System Cost				- / 37.942	- / 42.498	- / 53.467	- / 47.972	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Funds requested in FY 2021 will provide for requirements to support fielding a fleet of equipment within useful life expectancy, this includes replacement of equipment which has exceeded its useful life or new approved equipment requirements necessary to support the various expeditionary missions. Focus for expeditionary facilities is the procurement and fielding of Command and Control tent camp equipment and berthing. These engineered capabilities integrate joint standardization board (JSB) approved equipment to ensure interoperability, energy enhancements and commonality across the Navy and DOD. These materiel assets support Naval Special Warfare (NSW) and other Navy Expeditionary Forces core mission requirements and are essential to the readiness and battlefield effectiveness of NSW.

Mobile Utilities Support Equipment - Funding will be used to recapitalize the MUSE generator and substation equipment. Current inventory and condition assessment of MUSE power generation assets rated 77% of generation capability. The assessment also rated a zero percent capability to support CONUS prime power missions. The major risk is long term limited availability of MUSE (total and EPA compliant) generation assets with continued increases in unsupported MUSE missions.

\$5.495M decrease in funding is due to a delay in recapitalization of transportation assets and construction equipment.

Capabilities presented on the P40-A consist of many components. Variation in components being procured in a given fiscal year will yield fluctuation in the unit costs.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6060 / Items less than \$5 Million									Aggregated Items Title: Items under \$5 million						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) SPECIAL PURPOSE VEHICLES																				
1.1) 0636, 4X2 TRUCK STAKE 33,000 GVWR AND UP 20 FT BED REG CAB ^(†)	A		-	-	-	-	-	72,000.00	3	0.216	-	-	-	-	-	-	-	-		
1.2) 474, TRUCK VAN 21000 GVWR AND UP 12-18 FT BED BODY ^(†)	A		72,090.91	11	0.793	73,496.00	9	0.661	74,966.00	6	0.450	75,982.00	8	0.608	-	-	75,982.00	8	0.608	
1.3) 533, TRUCK STAKE 21000 GVWR AND UP 12-18 FT BED REG CAB ^(†)	A		72,000.00	1	0.072	73,440.00	6	0.441	74,909.00	6	0.449	76,407.00	6	0.458	-	-	76,407.00	6	0.458	
1.4) 624H, TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR ^(†)	A		123,666.67	3	0.371	125,732.00	7	0.880	128,247.00	4	0.513	130,812.00	8	1.046	-	-	130,812.00	8	1.046	
1.5) 625S, TRUCK VAN 6X4 25500 ^(†)	A		-	-	-	-	-	160,000.00	2	0.320	-	-	-	-	-	-	-	-	-	
1.6) 634H, TRUCK Tractor 85000 GVWR NONSTANDARD ^(†)	A		105,000.00	1	0.105	-	-	109,050.00	2	0.218	-	-	-	-	-	-	-	-	-	
1.7) 734, TRUCK STAKE 6X4 43000 GVWR NONSTANDARD ^(†)	A		105,333.33	3	0.316	106,026.00	4	0.424	107,127.00	5	0.536	109,270.00	4	0.437	-	-	109,270.00	4	0.437	
1.8) 844, TRUCK DUMP 10CY 6X6 52000 GVWR ^(†)	A		-	-	-	-	-	-	-	-	141,128.00	1	0.141	-	-	141,128.00	1	0.141		
1.9) AIRCRAFT REFUELER ^(†)	A		685,000.00	3	2.055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.10) PB40 PRIME MOVERS ^(†)	A		-	-	-	-	-	-	-	-	225,000.00	7	1.575	-	-	225,000.00	7	1.575		
1.11) DLA, TRAILER, BOX, FLAT 53 ^(†)	A		-	-	-	-	-	45,000.00	6	0.270	-	-	-	-	-	-	-	-	-	
1.12) DLA, TRAILER, STAKE, FLAT 53 ^(†)	A		45,500.00	6	0.273	45,900.00	8	0.367	46,818.00	4	0.187	47,754.00	8	0.382	-	-	47,754.00	8	0.382	
1.13) ILS for SPECIAL PURPOSE VEHICLES	A		-	-	0.608	-	-	0.469	-	-	0.175	-	-	0.033	-	-	-	-	0.033	
1.14) Multi-Mission EOD Response Truck ^(†)	A		800,000.00	6	4.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6060 / Items less than \$5 Million									Aggregated Items Title: Items under \$5 million						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1.15) SEMI LOWBED 35 TON ^(†)	A		-	-	-	80,000.00	2	0.160	-	-	-	-	-	-	-	-	-	-		
1.16) SEMITRAILER STAKE BREAKBULK/ ISO CONTAINER ^(†)	A		60,875.00	8	0.487	64,428.00	5	0.322	65,617.00	5	0.328	-	-	-	-	-	-	-		
1.17) TRAILER 55T LOWBED ^(†)	A		74,500.00	2	0.149	-	-	-	80,435.00	1	0.080	82,044.00	18	1.477	-	-	82,044.00	18	1.477	
1.18) SEMITRAILER STAKE TRUCK 34 TON ^(†)	A		-	-	-	64,428.00	5	0.322	65,617.00	5	0.328	-	-	-	-	-	-	-		
1.19) TRLR TNK 400G ^(†)	A		22,607.14	28	0.633	-	-	-	24,283.00	1	0.024	-	-	-	-	-	-	-		
1.20) TRUCK STAKE 21000 GVWR RHD ^(†)	A		70,000.00	1	0.070	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.21) TRUCK STAKE 6X6 DED 52000 GVW ^(†)	A		160,000.00	1	0.160	-	-	-	-	-	-	169,793.00	2	0.340	-	-	169,793.00	2	0.340	
1.22) TRUCK TANK FUEL 4X4 DED 1500 GAL ^(†)	A		98,500.00	2	0.197	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.23) TRUCK TRACTOR ^(†)	A		172,095.24	21	3.614	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.24) TRK STAKE 46000 ^(†)	A		-	-	-	-	-	-	115,391.00	3	0.346	117,699.00	1	0.118	-	-	117,699.00	1	0.118	
1.25) TRUCK TRACTOR 6X4 ^{(1)(†)}	A		213,250.00	4	0.853	217,617.00	8	1.741	-	-	-	226,408.74	25	5.660	-	-	226,408.74	25	5.660	
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ^{(2)(†)}	A		282,666.67	3	0.848	309,000.00	3	0.927	290,750.00	4	1.163	315,666.67	12	3.788	-	-	315,666.67	12	3.788	
1.27) 4X 2 TRUCK PANEL VAN, MAINTENANCE CONVERSION SIN 162 ^{(3)(†)}	A		-	-	-	29,529.00	21	0.620	30,131.00	21	0.633	30,734.00	21	0.645	-	-	30,734.00	21	0.645	
1.28) 4X2 STAKE/ FLAT BED 12-22 FEET 22000-24000 LBS GVWR REG CAB ^(†)	A		-	-	-	-	-	-	121,680.00	2	0.243	124,114.00	2	0.248	-	-	124,114.00	2	0.248	
1.29) SEMITRAILER DEMOLITION REAR DUMP 34 CY ^(†)	A		-	-	-	-	-	-	63,882.00	1	0.064	65,160.00	1	0.065	-	-	65,160.00	1	0.065	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6060 / Items less than \$5 Million								Aggregated Items Title: Items under \$5 million							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1.30) SEMITRAILER DROP DECK 2 AXLE 20 TON ^(†)	A		-	-	-	-	-	-	53,742.00	2	0.107	54,817.00	2	0.110	-	-	-	54,817.00	2	0.110
1.31) SEMITRAILER DROP DECK 20 TON HYDRAULIC RAMP WITH WINCH ^(†)	A		-	-	-	-	-	-	55,770.00	2	0.112	56,885.00	2	0.114	-	-	-	56,885.00	2	0.114
1.32) SEMITRAILER LOWBED 2 AXLE 35 TON NONSTANDARD ^(†)	A		-	-	-	-	-	-	38,532.00	4	0.154	39,303.00	4	0.157	-	-	-	39,303.00	4	0.157
1.33) SEMITRAILER LOWBED 3 AXLE 35 TON ^(†)	A		-	-	-	-	-	-	39,044.00	3	0.117	39,825.00	3	0.119	-	-	-	39,825.00	3	0.119
1.34) SEMITRAILER LOWBED 3 AXLE 50 TON ^(†)	A		-	-	-	-	-	-	39,044.00	2	0.078	39,824.00	2	0.080	-	-	-	39,824.00	2	0.080
1.35) SEMITRAILER LOWBED 3 AXLE 60 TON ^(†)	A		-	-	-	62,368.00	2	0.125	63,640.00	2	0.127	64,913.00	2	0.130	-	-	-	64,913.00	2	0.130
1.36) SEMITRAILER LOWBED 3 AXLE 60 TON AND UP NONSTANDARD ^(†)	A		-	-	-	-	-	-	64,640.00	4	0.259	65,933.00	4	0.264	-	-	-	65,933.00	4	0.264
1.37) SEMITRAILER LOWBED TRUNNION AXLE NONSTANDARD ^(†)	A		-	-	-	-	-	-	26,754.00	1	0.027	27,289.00	1	0.027	-	-	-	27,289.00	1	0.027
1.38) SEMITRAILER LOWBED TRUNNION AXLE UP TO 60 TON ^(†)	A		-	-	-	-	-	-	79,092.00	1	0.079	80,674.00	1	0.081	-	-	-	80,674.00	1	0.081
1.39) SEMITRAILER REAR DUMP SAND/ GRAVEL 18 CY ^(†)	A		-	-	-	-	-	-	44,407.00	1	0.044	45,295.00	1	0.045	-	-	-	45,295.00	1	0.045
1.40) SEMITRAILER STAKE 2-3 AXLE NONSTANDARD ^(†)	A		-	-	-	-	-	-	34,172.00	3	0.103	34,855.00	3	0.105	-	-	-	34,855.00	3	0.105
1.41) SEMITRAILER STAKE 2-3 AXLE 20 TON 40-55 FT WITH STAKES ^(†)	A		-	-	-	-	-	-	33,462.00	2	0.067	34,131.00	2	0.068	-	-	-	34,131.00	2	0.068
1.42) SEMITRAILER STAKE 2-3 AXLE	A		-	-	-	-	-	-	33,462.00	13	0.435	34,131.00	13	0.444	-	-	-	34,131.00	13	0.444

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20 TON 40-55 FT WITHOUT STAKES ^(†)																				
1.43) SEMITRAILER TANK 5000 GALLON AND UP GP ^(†)	A		-	-	-	-	-	198,144.00	1	0.198	202,107.00	1	0.202	-	-	-	202,107.00	1	0.202	
1.44) SEMITRAILER TANK FUEL SERV 5500 GALLON ^(†)	A		-	-	-	-	-	198,440.00	5	0.992	-	-	-	-	-	-	-	-	-	
1.45) SEMITRAILER TANK GENERAL PURPOSE 6000 GALLON AND UP NONSTANDARD ^(†)	A		-	-	-	-	-	77,620.00	1	0.078	79,172.00	1	0.079	-	-	-	79,172.00	1	0.079	
1.46) SEMITRAILER TANK GENERAL PURPOSE 4001-5999 GALLON NONSTANDARD ^(†)	A		-	-	-	-	-	113,833.00	1	0.114	116,110.00	1	0.116	-	-	-	116,110.00	1	0.116	
1.47) SEMITRAILER VAN REFRIGERATOR 2 AXLE NONSTANDARD ^(†)	A		-	-	-	-	-	105,456.00	1	0.105	107,565.00	1	0.108	-	-	-	107,565.00	1	0.108	
1.48) SEMITRAILER VAN 2 AXLE 20 TON 40-55 FT ^(†)	A		-	-	-	-	-	30,420.00	2	0.061	31,028.00	2	0.062	-	-	-	31,028.00	2	0.062	
1.49) TRAILER CABLE REEL NONSTANDARD ^(†)	A		-	-	-	-	-	15,798.00	1	0.016	16,114.00	1	0.016	-	-	-	16,114.00	1	0.016	
1.50) TRAILER HYDRAULIC ELEVATING BODY NONSTANDARD ^(†)	A		-	-	-	-	-	18,252.00	2	0.037	18,617.00	2	0.037	-	-	-	18,617.00	2	0.037	
1.51) TRAILER HYDRAULIC ELEVATING BODY 15000 LB PAYLOAD ^(†)	A		-	-	-	-	-	35,490.00	2	0.071	36,200.00	2	0.072	-	-	-	36,200.00	2	0.072	
1.52) TRAILER LOWBED 18001 GVWR AND UP STATIONARY AXLE ^(†)	A		-	-	-	-	-	18,252.00	2	0.037	18,617.00	2	0.037	-	-	-	18,617.00	2	0.037	
1.53) TRAILER LOWBED TILT DECK	A		-	-	-	-	-	70,717.00	3	0.212	72,131.00	3	0.216	-	-	-	72,131.00	3	0.216	

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2 OR 4 WHEEL NONSTANDARD ^(†)																				
1.54) TRAILER, EQUIPMENT, ELEVATING/DROP DECK ^(†)	A		-	-	-	-	-	-	25,350.00	1	0.025	25,857.00	1	0.026	-	-	25,857.00	1	0.026	
1.55) TRAILER LOWBED TILT DECK TANDEM AXLE UP TO 6 TON ^(†)	A		-	-	-	-	-	-	35,490.00	5	0.177	36,200.00	5	0.181	-	-	36,200.00	5	0.181	
1.56) TRUCK DUMP 3 CY 21000 GVWR ^(†)	A		-	-	-	-	-	-	43,957.00	1	0.044	44,836.00	1	0.045	-	-	44,836.00	1	0.045	
1.57) TRUCK DUMP 5 CY 28000 GVWR ^(†)	A		-	-	-	-	-	-	86,798.00	1	0.087	88,534.00	1	0.089	-	-	88,534.00	1	0.089	
1.58) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB ^(†)	A		-	-	-	-	-	-	29,609.00	1	0.030	30,201.00	1	0.030	-	-	30,201.00	1	0.030	
1.59) TRUCK DUMP 5 CY 28000 GVWR 4X4 RHD ^(†)	A		-	-	-	-	-	-	81,120.00	1	0.081	82,742.00	1	0.083	-	-	82,742.00	1	0.083	
1.60) TRUCK DUMP 3 CY 21000 GVWR RHD ^(†)	A		-	-	-	-	-	-	36,504.00	1	0.037	37,234.00	1	0.037	-	-	37,234.00	1	0.037	
1.61) TRUCK MAINTENANCE OVERHEAD AERIAL SERVICE NONSTANDARD ^(†)	A		-	-	-	-	-	-	198,176.00	1	0.198	202,140.00	4	0.809	-	-	202,140.00	4	0.809	
1.62) TRUCK MAINTENANCE POLE AND LINE NONSTANDARD ^(†)	A		-	-	-	-	-	-	177,629.00	2	0.355	181,182.00	2	0.362	-	-	181,182.00	2	0.362	
1.63) TRUCK MAINTENANCE POLE AND LINE WITH ROTATING HYDRAULIC DERRICK ^(†)	A		-	-	-	-	-	-	284,732.00	5	1.424	-	-	-	-	-	-	-		
1.64) TRUCK MAINTENANCE UTILITY 8501 GVWR AND UP CREW CAB 4X2 ^(†)	A		-	-	-	-	34,781.00	32	1.113	35,490.00	32	1.136	-	-	-	-	-	-		

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1.65) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR CREW CAB 4X4 ^(†)	A		-	-	-	-	-	-	42,588.00	1	0.043	43,440.00	1	0.043	-	-	-	43,440.00	1	0.043
1.66) TRUCK MAINTENANCE TELEPHONE/ UTILITY 4X2/4X4 NONSTANDARD ^(†)	A		-	-	-	-	-	-	72,501.00	1	0.073	73,951.00	1	0.074	-	-	-	73,951.00	1	0.074
1.67) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR REGULAR/ EXTENDED CAB 4X4 ^(†)	A		-	-	-	-	-	-	31,434.00	1	0.031	32,063.00	1	0.032	-	-	-	32,063.00	1	0.032
1.68) TRUCK MATERIAL HANDLING CHAIN/ CABLE HOIST/HAUL NONSTANDARD ^(†)	A		-	-	-	152,305.00	8	1.218	155,414.00	8	1.243	-	-	-	-	-	-	-	-	-
1.69) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER ^(†)	A		-	-	-	-	-	-	106,470.00	1	0.106	108,599.00	1	0.109	-	-	-	108,599.00	1	0.109
1.70) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER 60 ^(†)	A		-	-	-	-	-	-	121,680.00	1	0.122	124,114.00	1	0.124	-	-	-	124,114.00	1	0.124
1.71) TRUCK MOUNTED OVERHEAD AERIAL SERVICE RHD ^(†)	A		-	-	-	-	-	-	131,313.00	4	0.525	133,939.00	4	0.536	-	-	-	133,939.00	4	0.536
1.72) TRUCK PANEL VAN UTILITY 4X2 8501 GVWR AND UP ^(†)	A		-	-	-	38,755.00	43	1.666	39,546.00	43	1.700	-	-	-	-	-	-	-	-	
1.73) TRUCK PANEL VAN UTILITY 4X2 6001 TO 8500 GVWR ^(†)	A		-	-	-	-	-	-	34,577.00	8	0.277	35,269.00	8	0.282	-	-	-	35,269.00	8	0.282

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1.74) TRUCK REEL HANDLING/ TENSIONING POWERED NONSTANDARD ^(†)	A		-	-	-	-	-	-	165,526.00	1	0.166	168,837.00	1	0.169	-	-	-	168,837.00	1	0.169
1.75) TRUCK TANK AVGAS/ JETFUEL 5000-6000 GALLON ^(†)	A		-	-	-	-	-	-	178,190.00	8	1.426	-	-	-	-	-	-	-	-	-
1.76) TRUCK STAKE 21000 GVWR AND UP NONSTANDARD ^(†)	A		-	-	-	-	-	-	103,489.00	2	0.207	105,559.00	2	0.211	-	-	-	105,559.00	2	0.211
1.77) TRUCK STAKE 6X4 43000 GVWR NONSTANDARD ^(†)	A		-	-	-	-	-	-	170,352.00	2	0.341	173,759.00	29	5.039	-	-	-	173,759.00	29	5.039
1.78) TRUCK STAKE 21000 GVWR AND UP 12-22 FT BED REGULAR CAB ^(†)	A		-	-	-	-	-	-	60,000.00	4	0.240	61,200.00	4	0.245	-	-	-	61,200.00	4	0.245
1.79) TRUCK STAKE 24000 GVWR RHD ^(†)	A		-	-	-	-	-	-	68,952.00	5	0.345	70,331.00	5	0.352	-	-	-	70,331.00	5	0.352
1.80) TRUCK STAKE 6X4 43000 GVWR RHD ^(†)	A		-	-	-	-	-	-	162,240.00	1	0.162	165,485.00	1	0.165	-	-	-	165,485.00	1	0.165
1.81) TRUCK STAKE 25500 GVWR AND UP 12-18 FT BED ^(†)	A		-	-	-	-	-	-	66,518.00	1	0.067	67,848.00	1	0.068	-	-	-	67,848.00	1	0.068
1.82) TRUCK TANK FUEL SERVICING 2000 GALLON NONSTANDARD ^(†)	A		-	-	-	-	-	-	105,176.00	6	0.631	107,280.00	6	0.644	-	-	-	107,280.00	6	0.644
1.83) TRUCK TANK FUEL SERVICING 1 SYSTEM 1 TANK ^(†)	A		-	-	-	-	-	-	105,176.00	4	0.421	107,280.00	4	0.429	-	-	-	107,280.00	4	0.429
1.84) TRUCK TANK FUEL SERVICING 2 SYSTEM 2 TANK ^(†)	A		-	-	-	-	-	-	105,176.00	4	0.421	107,280.00	4	0.429	-	-	-	107,280.00	4	0.429
1.85) TRUCK TANK FUEL SERVICING 2K 1 SYS 1 TNK RHD JAPAN ^(†)	A		-	-	-	-	-	-	105,405.00	3	0.316	107,513.00	3	0.323	-	-	-	107,513.00	3	0.323
1.86) TRUCK TANK FUEL 4X4 ^(†)	A		-	-	-	-	-	-	253,475.00	4	1.014	-	-	-	-	-	-	-	-	-

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1.87) TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR ^(†)	A		-	-	-	-	-	-	152,100.00	2	0.304	155,142.00	2	0.310	-	-	-	155,142.00	2	0.310
1.88) TRUCK TRACTOR 32000 GVWR RHD ^(†)	A		-	-	-	-	-	-	109,512.00	2	0.219	111,702.00	2	0.223	-	-	-	111,702.00	2	0.223
1.89) TRUCK TRACTOR 32000 GVWR 55000 GCVWR ^(†)	A		-	-	-	-	-	-	103,428.00	1	0.103	105,497.00	1	0.105	-	-	-	105,497.00	1	0.105
1.90) TRUCK VAN 21000 GVWR RHD ^(†)	A		-	-	-	-	-	-	45,630.00	6	0.274	46,543.00	6	0.279	-	-	-	46,543.00	6	0.279
1.91) TRUCK VAN 24000 GVWR RHD ^(†)	A		-	-	-	-	-	-	74,529.00	2	0.149	76,020.00	2	0.152	-	-	-	76,020.00	2	0.152
1.92) TRUCK VAN 25500 GVWR 12 FT-18 FT BODY ^(†)	A		-	-	-	-	-	-	74,529.00	1	0.075	76,020.00	1	0.076	-	-	-	76,020.00	1	0.076
1.93) TRUCK WRECKER 1800 LB LIFT TOW HYDRAULIC ^(†)	A		-	-	-	-	-	-	-	-	-	138,247.00	1	0.138	-	-	-	138,247.00	1	0.138
1.94) TRUCK WRECKER RHD ^(†)	A		-	-	-	-	-	-	-	-	-	155,142.00	2	0.310	-	-	-	155,142.00	2	0.310
1.95) TRUCK WRECKER 7500 LB LIFT TOW HYDRAULIC ^(†)	A		-	-	-	-	-	-	-	-	-	148,573.00	3	0.446	-	-	-	148,573.00	3	0.446
1.96) TRUCK WRECKER ROLLBACK ^(†)	A		-	-	-	-	-	-	121,448.00	1	0.121	123,877.00	4	0.496	-	-	-	123,877.00	4	0.496
<i>Subtotal: 1) SPECIAL PURPOSE VEHICLES</i>			-	-	16.404	-	-	11.456	-	-	24.889	-	-	33.181	-	-	-	-	33.181	
2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT⁽⁴⁾																				
2.1) EXPEDITIONARY FACILITIES - INTEGRATED BERTHING 48 PERSON ^(†)	A		-	-	-	379,216.00	21	7.964	386,801.00	30	11.604	394,537.00	10	3.945	-	-	-	394,537.00	10	3.945
2.2) COMPRESSOR AIR ROTARY 125CFM AT 100PSIG DED ^(†)	A		-	-	-	-	-	-	-	-	-	10,527.00	1	0.011	-	-	-	10,527.00	1	0.011

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2.3) CONTAINER, REFRIGERATION, STANDARD 20FT ^(†)	A		141,000.00	15	2.115	143,820.00	4	0.575	-	-	-	-	-	-	-	-	-	-	-	-
2.4) CONTAINERS ^(†)	A		22,661.29	62	1.405	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) EXPEDITIONARY FACILITY ^(†)	A		740,000.00	16	11.840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) EXPEDITIONARY FACILITY (RESERVE FORCES) ^(†)	A		696,000.00	2	1.392	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) EXPEDITIONARY FACILITY- TACTICAL OPERATION COMMAND ^(†)	A		-	-	-	360,252.00	25	9.006	-	-	-	-	-	-	-	-	-	-	-	-
2.8) EXPEDITIONARY FACILITY- COMMAND OPERATIONS CCENTER - MEDIUM ^(†)	A		-	-	-	920,000.00	4	3.680	-	-	-	-	-	-	-	-	-	-	-	-
2.9) EXPEDITIONARY FACILITIES - GALLEY ^(†)	A		-	-	-	-	-	-	743,419.67	3	2.230	-	-	-	-	-	-	-	-	-
2.10) Expeditionary Facilities - Field Kitchen ^(†)	A		-	-	-	-	-	-	250,000.00	20	5.000	-	-	-	-	-	-	-	-	-
2.11) ILS FOR COMBAT CONSTRUCTION SUPPORT EQUIPMENT	A		-	-	1.142	-	-	0.620	-	-	0.151	-	-	0.329	-	-	-	-	0.329	-
2.12) MANPORTABLE WATER FILTRATION ^(†)	A		22,000.00	4	0.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.18) EXPEDITIONARY MEDICAL SUPPORT	A		-	-	-	-	-	1.542	-	-	1.909	-	-	1.010	-	-	-	-	-	1.010
<i>Subtotal: 2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT</i>			-	-	17.982	-	-	23.387	-	-	20.894	-	-	5.295	-	-	-	-	-	5.295
3) MOBILE UTILITIES SUPPORT EQUIPMENT																				

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1						P-1 Line Item Number / Title: 6060 / Items less than \$5 Million									Aggregated Items Title: Items under \$5 million					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT ^(†)	A		885,333.33	3	2.656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) AUXILIARY DIESEL GENERATORS ^(†)	A		-	-	-	49,000.00	1	0.049	50,000.00	2	0.100	50,000.00	5	0.250	-	-	-	50,000.00	5	0.250
3.3) DIESEL GENERATORS (4160V) ^(†)	A		-	-	-	1,221K	3	3.663	1,250K	3	3.751	1,268K	3	3.803	-	-	-	1,268K	3	3.803
3.4) TIER-2 COMPLIANT CUMMINS ENGINES ^(†)	A		-	-	-	300,000.00	1	0.300	-	-	-	-	-	-	-	-	-	-	-	
3.5) 2000 AMP, 5KV/15KV LOAD DISTRIBUTION SWITCHGEAR ^(†)	A		-	-	-	1,500K	1	1.500	1,536K	1	1.536	1,556K	1	1.556	-	-	-	1,556K	1	1.556
3.6) 2500 KVA, 5KV/15KV TRANSFORMER ^(†)	A		-	-	-	150,000.00	1	0.150	153,000.00	2	0.306	156,060.00	1	0.156	-	-	-	156,060.00	1	0.156
3.7) 3750 KVA, 5KV/480 V TRANSFORMER ^(†)	A		-	-	-	400,000.00	1	0.400	413,666.00	1	0.414	416,160.00	1	0.416	-	-	-	416,160.00	1	0.416
3.8) 5000 AMP, 480 V LOAD DISTRIBUTION SWITCHGEAR ^(†)	A		-	-	-	1,000K	1	1.000	1,026K	1	1.026	1,040K	1	1.040	-	-	-	1,040K	1	1.040
3.9) 3200 AMP, 480 V MOBILE POWER MOUND AND MISC. AND CONNECTORS ^(†)	A		-	-	-	300,000.00	1	0.300	306,000.00	1	0.306	312,120.00	1	0.312	-	-	-	312,120.00	1	0.312
<i>Subtotal: 3) MOBILE UTILITIES SUPPORT EQUIPMENT</i>			-	-	2.656	-	-	7.362	-	-	7.439	-	-	7.533	-	-	-	-	-	7.533
4) OCEAN CONSTRUCTION EQUIPMENT																				
4.1) OCEAN CONSTRUCTION EQUIPMENT ^(†)	A		75,000.00	12	0.900	73,250.00	4	0.293	61,250.00	4	0.245	60,500.00	4	0.242	-	-	-	60,500.00	4	0.242
<i>Subtotal: 4) OCEAN CONSTRUCTION EQUIPMENT</i>			-	-	0.900	-	-	0.293	-	-	0.245	-	-	0.242	-	-	-	-	-	0.242
5) Acquisition Support⁽⁵⁾																				
5.1) Acquisition Support	A		-	-	-	-	-	-	-	-	-	-	-	1.719	-	-	-	-	-	1.719
<i>Subtotal: 5) Acquisition Support</i>			-	-	0.000	-	-	-	-	-	-	-	-	1.719	-	-	-	-	-	1.719

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy													Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6060 / Items less than \$5 Million								Aggregated Items Title: Items under \$5 million							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
Total			-	-	37.942	-	-	42.498	-	-	53.467	-	-	47.970	-	-	-	-	47.970	
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
(1) New Contract to be awarded. Unit price based on Independent Government Estimate (IGE)																				
(2) Additional security vehicles are being procured in FY21 to comply with the updated Security Forces Tactics, Techniques and Procedures (TTPs). The current vehicle fleet is not sufficient to meet the demands of the increased op tempo and are requiring more frequent maintenance making them unavailable to support the mission.																				
(3) Cost elements 1.26 thru 1.95 are items that were formerly procured via NWCF and have shifted to OPN.																				
(4) Capabilities presented on the P40-A consist of many components. Variation in components being procured in a given fiscal year will yield fluctuation in the unit costs.																				
(5) Funding was increased for acquisition support resulting from the conversion of NAVFAC Engineering and Expeditionary Warfare Center (EXWC) from a General Fund entity to a Navy Working Capital Fund entity.																				

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items less than \$5 Million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) SPECIAL PURPOSE VEHICLES												
1.1) 0636, 4X2 TRUCK STAKE 33,000 GVWR AND UP 20 FT BED REG CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2020	3	72,000.00	Y		
1.2) 474, TRUCK VAN 21000 GVWR AND UP 12-18 FT BODY		2018	Navistar, Inc / Knoxville, TN	MIPR	GSA	Mar 2018	Dec 2018	11	72,055.00	Y		
1.2) 474, TRUCK VAN 21000 GVWR AND UP 12-18 FT BODY		2019	Navistar, Inc / Knoxville, TN	MIPR	GSA	Feb 2019	Feb 2019	9	73,496.00	Y		
1.2) 474, TRUCK VAN 21000 GVWR AND UP 12-18 FT BODY		2020	Unknown / Unknown	MIPR	GSA	Apr 2020	Apr 2020	6	74,966.00	Y		
1.2) 474, TRUCK VAN 21000 GVWR AND UP 12-18 FT BODY		2021	Unknown / Unknown	C / TBD	GSA	Apr 2021	Apr 2021	8	75,982.00	Y		
1.3) 533, TRUCK STAKE 21000 GVWR AND UP 12-18 FT BED REG CAB		2018	GM MOTORS / Detroit, MI	MIPR	GSA	Feb 2019	Feb 2019	1	72,496.00	Y		
1.3) 533, TRUCK STAKE 21000 GVWR AND UP 12-18 FT BED REG CAB		2019	GM MOTORS / Detroit, MI	MIPR	GSA	Jun 2019	Jun 2019	6	73,440.00	Y		
1.3) 533, TRUCK STAKE 21000 GVWR AND UP 12-18 FT BED REG CAB		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2020	6	74,909.00	Y		
1.3) 533, TRUCK STAKE 21000 GVWR AND UP 12-18 FT BED REG CAB		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Mar 2021	6	76,407.00	Y		
1.4) 624H, TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2018	NAVISTAR International / Madison Heights, MI	MIPR	GSA	Feb 2019	Oct 2019	3	123,763.00	Y		
1.4) 624H, TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2019	NAVISTAR International / Madison Heights, MI	MIPR	GSA	Jun 2019	Jun 2019	7	125,732.00	Y		
1.4) 624H, TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2020	4	128,247.00	Y		
1.4) 624H, TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Mar 2021	8	130,812.00	Y		
1.5) 625S, TRUCK VAN 6X4 25500		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Dec 2020	2	160,000.00	Y		
1.6) 634H, TRUCK Tractor 85000 GVWR NONSTANDARD		2018	AM General / South Bend, IN	MIPR	GSA	Feb 2019	Nov 2019	1	105,312.00	Y		
1.6) 634H, TRUCK Tractor 85000 GVWR NONSTANDARD		2020	AM General / South Bend, IN	MIPR	GSA	Jan 2020	Jan 2020	2	109,050.00	Y		
1.7) 734, TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2018	GM Government Sales / Detroit, MI	MIPR	GSA	Feb 2019	Oct 2019	3	105,312.00	Y		

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.7) 734, TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2019	GM Government Sales / Detroit, MI	MIPR	GSA	Jun 2019	Jun 2019	4	106,026.00	Y		
1.7) 734, TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2020	Unknown / Unknown	MIPR	GSA	Jan 2020	Jan 2020	5	107,127.00	Y		
1.7) 734, TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2021	Unknown / Unknown	MIPR	GSA	Oct 2020	Oct 2020	4	109,270.00	Y		
1.8) 844, TRUCK DUMP 10CY 6X6 52000 GVWR		2021	Unknown / Unknown	MIPR	GSA	Apr 2021	Apr 2021	1	141,128.00	Y		
1.9) AIRCRAFT REFUELER		2018	Rampmaster / Coatesville, PA	MIPR	GSA	Feb 2019	Feb 2019	3	685,000.00	Y		
1.10) PB40 PRIME MOVERS		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Oct 2021	7	225,000.00	Y		
1.11) DLA, TRAILER, BOX, FLAT 53'		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	6	45,000.00	Y		
1.12) DLA, TRAILER, STAKE, FLAT 53'		2018	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Feb 2019	Oct 2019	6	45,496.00	Y		
1.12) DLA, TRAILER, STAKE, FLAT 53'		2019	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	May 2019	May 2019	8	45,900.00	Y		
1.12) DLA, TRAILER, STAKE, FLAT 53'		2020	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Jan 2020	Jan 2020	4	46,818.00	Y		
1.12) DLA, TRAILER, STAKE, FLAT 53'		2021	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Apr 2021	Apr 2021	8	47,754.00	Y		
1.14) Multi-Mission EOD Response Truck		2018	GM Government Sales / Detroit, MI	MIPR	DLA	Feb 2019	Aug 2019	6	800,000.00	Y		
1.15) SEMI LOWBED 35 TON		2019	GLOBE TRAILER / Bradenton, FL	MIPR	DLA	Dec 2019	Jun 2020	2	80,000.00	Y		
1.16) SEMITRAILER STAKE BREAKBULK/ISO CONTAINER		2016	GLOBE TRAILER / Bradenton, FL	MIPR	DLA	Jun 2016	Mar 2017	2	60,891.00	Y		
1.16) SEMITRAILER STAKE BREAKBULK/ISO CONTAINER		2017	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Sep 2017	Jun 2018	6	60,891.00	Y		
1.16) SEMITRAILER STAKE BREAKBULK/ISO CONTAINER		2019	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Oct 2018	Jul 2019	5	64,428.00	Y		
1.16) SEMITRAILER STAKE BREAKBULK/ISO CONTAINER		2020	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Nov 2019	Nov 2019	5	65,617.00	Y		
1.17) TRAILER 55T LOWBED		2016	GLOBE TRAILER / Bradenton, FL	MIPR	DLA	Aug 2016	Oct 2016	2	74,529.00	Y		
1.18) SEMITRAILER STAKE TRUCK 34 TON		2019	DSCP / Philadelphia, PA	MIPR	GSA	Aug 2019	Aug 2020	5	64,428.00	Y		
1.18) SEMITRAILER STAKE TRUCK 34 TON		2020	DSCP / Philadelphia, PA	MIPR	GSA	Jan 2020	Jan 2021	5	65,617.00	Y		
1.19) TRLR TNK 400G		2016	GLOBE TRAILER / Bradenton, FL	MIPR	DLA	Sep 2016	Feb 2017	24	22,500.00	Y		
1.19) TRLR TNK 400G		2018	GLOBE TRAILER / Bradenton, FL	MIPR	DLA	Jan 2018	Jun 2018	4	23,340.00	Y		

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.20) TRUCK STAKE 21000 GVWR RHD		2018	Kyoei Jiko / Edogawa-Ku, Japan	MIPR	GSA	Feb 2019	Oct 2019	1	70,496.00	Y		
1.21) TRUCK STAKE 6X6 DED 52000 GVW		2017	NAVISTAR International / Madison Heights, MI	MIPR	DLA	Oct 2016	Oct 2016	1	160,000.00	Y		
1.22) TRUCK TANK FUEL 4X4 DED 1500 GAL		2017	VARIOUS / VARIOUS	MIPR	GSA	Sep 2017	Mar 2018	2	98,473.00	Y		
1.23) TRUCK TRACTOR		2016	Navistar, Inc / Knoxville, TN	Various	Various	Apr 2016	Nov 2016	11	170,458.00	Y		
1.23) TRUCK TRACTOR		2017	Navistar, Inc / Knoxville, TN	Various	Various	Oct 2017	May 2018	10	173,867.00	Y		
1.24) TRK STAKE 46000		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	3	115,391.00	Y		
1.24) TRK STAKE 46000		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	117,699.00	Y		
1.25) TRUCK TRACTOR 6X4 ⁽¹⁾		2018	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Feb 2019	Aug 2019	4	213,350.00	Y		
1.25) TRUCK TRACTOR 6X4 ⁽¹⁾		2019	GLOBE TRAILER / Bradenton, FL	MIPR	GSA	Jun 2019	Dec 2019	8	217,617.00	Y		
1.25) TRUCK TRACTOR 6X4 ⁽¹⁾		2021	GLOBE TRAILER / Bradenton, FL	C / TBD	** NO PCO **	Oct 2020	Oct 2020	25	226,408.74	N		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2016	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Oct 2016	Jul 2017	1	282,000.00	Y		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2017	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Jun 2017	Mar 2018	1	257,000.00	Y		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2018	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Jul 2018	Apr 2019	1	309,000.00	Y		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2019	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Jul 2019	Apr 2020	3	309,000.00	Y		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2020	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Jun 2020	Mar 2021	4	290,750.00	Y		
1.26) SPECIAL PURPOSE VEHICLE-BEARCATS ⁽²⁾		2021	GSA / LENCO/Pittsfield, Ma	MIPR	GSA	Jun 2021	Mar 2022	12	315,666.67	Y		
1.27) 4X 2 TRUCK PANEL VAN, MAINTENANCE CONVERSION SIN 162 ⁽³⁾		2019	Unknown / Unknown	MIPR	GSA	Dec 2019	Dec 2019	21	29,529.00	Y		
1.27) 4X 2 TRUCK PANEL VAN, MAINTENANCE CONVERSION SIN 162 ⁽³⁾		2020	Unknown / Unknown	MIPR	GSA	Mar 2020	Mar 2020	21	30,131.00	Y		
1.27) 4X 2 TRUCK PANEL VAN, MAINTENANCE CONVERSION SIN 162 ⁽³⁾		2021	Unknown / Unknown	MIPR	GSA	Mar 2021	Mar 2021	21	30,734.00	Y		

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Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items less than \$5 Million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.28) 4X2 STAKE/ FLAT BED 12-22 FEET 22000-24000 LBS GVWR REG CAB		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Mar 2020	2	121,680.00	Y		
1.28) 4X2 STAKE/ FLAT BED 12-22 FEET 22000-24000 LBS GVWR REG CAB		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	124,114.00	Y		
1.29) SEMITRAILER DEMOLITION REAR DUMP 34 CY		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	63,882.00	Y		
1.29) SEMITRAILER DEMOLITION REAR DUMP 34 CY		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	65,160.00	Y		
1.30) SEMITRAILER DROP DECK 2 AXLE 20 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	53,742.00	Y		
1.30) SEMITRAILER DROP DECK 2 AXLE 20 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	54,817.00	Y		
1.31) SEMITRAILER DROP DECK 20 TON HYDRAULIC RAMP WITH WINCH		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	55,770.00	Y		
1.31) SEMITRAILER DROP DECK 20 TON HYDRAULIC RAMP WITH WINCH		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	56,885.00	Y		
1.32) SEMITRAILER LOWBED 2 AXLE 35 TON NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	38,532.00	Y		
1.32) SEMITRAILER LOWBED 2 AXLE 35 TON NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	39,303.00	Y		
1.33) SEMITRAILER LOWBED 3 AXLE 35 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	3	39,044.00	Y		
1.33) SEMITRAILER LOWBED 3 AXLE 35 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	3	39,825.00	Y		
1.34) SEMITRAILER LOWBED 3 AXLE 50 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	39,044.00	Y		
1.34) SEMITRAILER LOWBED 3 AXLE 50 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	39,824.00	Y		
1.35) SEMITRAILER LOWBED 3 AXLE 60 TON		2019	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	62,368.00	Y		
1.35) SEMITRAILER LOWBED 3 AXLE 60 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	63,640.00	Y		
1.35) SEMITRAILER LOWBED 3 AXLE 60 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	64,913.00	Y		
1.36) SEMITRAILER LOWBED 3 AXLE 60 TON AND UP NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	64,640.00	Y		

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.36) SEMITRAILER LOWBED 3 AXLE 60 TON AND UP NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	65,933.00	Y		
1.37) SEMITRAILER LOWBED TRUNNION AXLE NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	26,754.00	Y		
1.37) SEMITRAILER LOWBED TRUNNION AXLE NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	27,289.00	Y		
1.38) SEMITRAILER LOWBED TRUNNION AXLE UP TO 60 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	79,092.00	Y		
1.38) SEMITRAILER LOWBED TRUNNION AXLE UP TO 60 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	80,674.00	Y		
1.39) SEMITRAILER REAR DUMP SAND/GRAVEL 18 CY		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	44,407.00	Y		
1.39) SEMITRAILER REAR DUMP SAND/GRAVEL 18 CY		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	45,295.00	Y		
1.40) SEMITRAILER STAKE 2-3 AXLE NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	3	34,172.00	Y		
1.40) SEMITRAILER STAKE 2-3 AXLE NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	3	34,855.00	Y		
1.41) SEMITRAILER STAKE 2-3 AXLE 20 TON 40-55 FT WITH STAKES		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	33,462.00	Y		
1.41) SEMITRAILER STAKE 2-3 AXLE 20 TON 40-55 FT WITH STAKES		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	34,131.00	Y		
1.42) SEMITRAILER STAKE 2-3 AXLE 20 TON 40-55 FT WITHOUT STAKES		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	13	33,462.00	Y		
1.42) SEMITRAILER STAKE 2-3 AXLE 20 TON 40-55 FT WITHOUT STAKES		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	13	34,131.00	Y		
1.43) SEMITRAILER TANK 5000 GALLON AND UP GP		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	198,144.00	Y		
1.43) SEMITRAILER TANK 5000 GALLON AND UP GP		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	202,107.00	Y		
1.44) SEMITRAILER TANK FUEL SERV 5500 GALLON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	5	198,440.00	Y		

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.45) SEMITRAILER TANK GENERAL PURPOSE 6000 GALLON AND UP NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	77,620.00	Y		
1.45) SEMITRAILER TANK GENERAL PURPOSE 6000 GALLON AND UP NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	79,172.00	Y		
1.46) SEMITRAILER TANK GENERAL PURPOSE 4001-5999 GALLON NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	113,833.00	Y		
1.46) SEMITRAILER TANK GENERAL PURPOSE 4001-5999 GALLON NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	116,110.00	Y		
1.47) SEMITRAILER VAN REFRIGERATOR 2 AXLE NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	105,456.00	Y		
1.47) SEMITRAILER VAN REFRIGERATOR 2 AXLE NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	107,565.00	Y		
1.48) SEMITRAILER VAN 2 AXLE 20 TON 40-55 FT		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	30,420.00	Y		
1.48) SEMITRAILER VAN 2 AXLE 20 TON 40-55 FT		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	31,028.00	Y		
1.49) TRAILER CABLE REEL NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	15,798.00	Y		
1.49) TRAILER CABLE REEL NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	16,114.00	Y		
1.50) TRAILER HYDRAULIC ELEVATING BODY NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	18,252.00	Y		
1.50) TRAILER HYDRAULIC ELEVATING BODY NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	18,617.00	Y		
1.51) TRAILER HYDRAULIC ELEVATING BODY 15000 LB PAYLOAD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	35,490.00	Y		
1.51) TRAILER HYDRAULIC ELEVATING BODY 15000 LB PAYLOAD		2021	Unknown / Unknown	MIPR	** NO PCO **	Apr 2021	Apr 2021	2	36,200.00	Y		

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1.52) TRAILER LOWBED 18001 GVWR AND UP STATIONARY AXLE		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	18,252.00	Y		
1.52) TRAILER LOWBED 18001 GVWR AND UP STATIONARY AXLE		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	18,617.00	Y		
1.53) TRAILER LOWBED TILT DECK 2 OR 4 WHEEL NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	3	70,717.00	Y		
1.53) TRAILER LOWBED TILT DECK 2 OR 4 WHEEL NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	3	72,131.00	Y		
1.54) TRAILER, EQUIPMENT, ELEVATING/DROP DECK		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	25,350.00	Y		
1.54) TRAILER, EQUIPMENT, ELEVATING/DROP DECK		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	25,857.00	Y		
1.55) TRAILER LOWBED TILT DECK TANDEM AXLE UP TO 6 TON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	5	35,490.00	Y		
1.55) TRAILER LOWBED TILT DECK TANDEM AXLE UP TO 6 TON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	5	36,200.00	Y		
1.56) TRUCK DUMP 3 CY 21000 GVWR		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	43,957.00	Y		
1.56) TRUCK DUMP 3 CY 21000 GVWR		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	44,836.00	Y		
1.57) TRUCK DUMP 5 CY 28000 GVWR		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	86,798.00	Y		
1.57) TRUCK DUMP 5 CY 28000 GVWR		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	88,534.00	Y		
1.58) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	29,609.00	Y		
1.58) TRUCK CARGO PICKUP COMPACT 4X2 UP TO 6100 GVWR EXTENDED CAB		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	30,201.00	Y		
1.59) TRUCK DUMP 5 CY 28000 GVWR 4X4 RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	81,120.00	Y		
1.59) TRUCK DUMP 5 CY 28000 GVWR 4X4 RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	82,742.00	Y		

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1.60) TRUCK DUMP 3 CY 21000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	36,504.00	Y		
1.60) TRUCK DUMP 3 CY 21000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	37,234.00	Y		
1.61) TRUCK MAINTENANCE OVERHEAD AERIAL SERVICE NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	198,176.00	Y		
1.61) TRUCK MAINTENANCE OVERHEAD AERIAL SERVICE NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	202,140.00	Y		
1.62) TRUCK MAINTENANCE POLE AND LINE NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	177,629.00	Y		
1.62) TRUCK MAINTENANCE POLE AND LINE NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	181,182.00	Y		
1.63) TRUCK MAINTENANCE POLE AND LINE WITH ROTATING HYDRAULIC DERRICK		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	5	284,732.00	Y		
1.64) TRUCK MAINTENANCE UTILITY 8501 GVWR AND UP CREW CAB 4X2		2019	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	32	34,781.00	Y		
1.64) TRUCK MAINTENANCE UTILITY 8501 GVWR AND UP CREW CAB 4X2		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	32	35,490.00	Y		
1.65) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR CREW CAB 4X4		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	42,588.00	Y		
1.65) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR CREW CAB 4X4		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	43,440.00	Y		
1.66) TRUCK MAINTENANCE TELEPHONE/UTILITY 4X2/4X4 NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	72,501.00	Y		
1.66) TRUCK MAINTENANCE TELEPHONE/UTILITY 4X2/4X4 NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	73,951.00	Y		
1.67) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR REGULAR/EXTENDED CAB 4X4		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	31,434.00	Y		
1.67) TRUCK MAINTENANCE UTILITY 6001-8500 GVWR REGULAR/EXTENDED CAB 4X4		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	32,063.00	Y		

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1.68) TRUCK MATERIAL HANDLING CHAIN/CABLE HOIST/ HAUL NONSTANDARD		2019	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	8	152,305.00	Y		
1.68) TRUCK MATERIAL HANDLING CHAIN/CABLE HOIST/ HAUL NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	8	155,414.00	Y		
1.69) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	106,470.00	Y		
1.69) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	108,599.00	Y		
1.70) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER 60'		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	121,680.00	Y		
1.70) TRUCK MOUNTED OVERHEAD AERIAL SERVICE ARTICULATING NON-OVER CENTER 60'		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	124,114.00	Y		
1.71) TRUCK MOUNTED OVERHEAD AERIAL SERVICE RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	131,313.00	Y		
1.71) TRUCK MOUNTED OVERHEAD AERIAL SERVICE RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	133,939.00	Y		
1.72) TRUCK PANEL VAN UTILITY 4X2 8501 GVWR AND UP		2019	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	43	38,755.00	Y		
1.72) TRUCK PANEL VAN UTILITY 4X2 8501 GVWR AND UP		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	43	39,546.00	Y		
1.73) TRUCK PANEL VAN UTILITY 4X2 6001 TO 8500 GVWR		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	8	34,577.00	Y		
1.73) TRUCK PANEL VAN UTILITY 4X2 6001 TO 8500 GVWR		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	8	35,269.00	Y		
1.74) TRUCK REEL HANDLING/ TENSIONING POWERED NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	165,526.00	Y		
1.74) TRUCK REEL HANDLING/ TENSIONING POWERED NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	168,837.00	Y		

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1.75) TRUCK TANK AVGAS/JETFUEL 5000-6000 GALLON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	8	178,190.00	Y		
1.76) TRUCK STAKE 21000 GVWR AND UP NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	103,489.00	Y		
1.76) TRUCK STAKE 21000 GVWR AND UP NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	105,559.00	Y		
1.77) TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	170,352.00	Y		
1.77) TRUCK STAKE 6X4 43000 GVWR NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	29	173,759.00	Y		
1.78) TRUCK STAKE 21000 GVWR AND UP 12-22 FT BED REGULAR CAB		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	60,000.00	Y		
1.78) TRUCK STAKE 21000 GVWR AND UP 12-22 FT BED REGULAR CAB		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	61,200.00	Y		
1.79) TRUCK STAKE 24000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	5	68,952.00	Y		
1.79) TRUCK STAKE 24000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	5	70,331.00	Y		
1.80) TRUCK STAKE 6X4 43000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	162,240.00	Y		
1.80) TRUCK STAKE 6X4 43000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	165,485.00	Y		
1.81) TRUCK STAKE 25500 GVWR AND UP 12-18 FT BED		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	66,518.00	Y		
1.81) TRUCK STAKE 25500 GVWR AND UP 12-18 FT BED		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	67,848.00	Y		
1.82) TRUCK TANK FUEL SERVICING 2000 GALLON NONSTANDARD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	6	105,176.00	Y		
1.82) TRUCK TANK FUEL SERVICING 2000 GALLON NONSTANDARD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	6	107,280.00	Y		
1.83) TRUCK TANK FUEL SERVICING 1 SYSTEM 1 TANK		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	105,176.00	Y		
1.83) TRUCK TANK FUEL SERVICING 1 SYSTEM 1 TANK		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	107,280.00	Y		
1.84) TRUCK TANK FUEL SERVICING 2 SYSTEM 2 TANK		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	105,176.00	Y		

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1.84) TRUCK TANK FUEL SERVICING 2 SYSTEM 2 TANK		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	4	107,280.00	Y		
1.85) TRUCK TANK FUEL SERVICING 2K 1 SYS 1 TNK RHD JAPAN		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	3	105,405.00	Y		
1.85) TRUCK TANK FUEL SERVICING 2K 1 SYS 1 TNK RHD JAPAN		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	3	107,513.00	Y		
1.86) TRUCK TANK FUEL 4X4		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	4	253,475.00	Y		
1.87) TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	152,100.00	Y		
1.87) TRUCK TRACTOR 6X4 52000 GVWR 85000 GCVWR		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	155,142.00	Y		
1.88) TRUCK TRACTOR 32000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	109,512.00	Y		
1.88) TRUCK TRACTOR 32000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	111,702.00	Y		
1.89) TRUCK TRACTOR 32000 GVWR 55000 GCVWR		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	103,428.00	Y		
1.89) TRUCK TRACTOR 32000 GVWR 55000 GCVWR		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	105,497.00	Y		
1.90) TRUCK VAN 21000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	6	45,630.00	Y		
1.90) TRUCK VAN 21000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	6	46,543.00	Y		
1.91) TRUCK VAN 24000 GVWR RHD		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	2	74,529.00	Y		
1.91) TRUCK VAN 24000 GVWR RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	76,020.00	Y		
1.92) TRUCK VAN 25500 GVWR 12 FT-18 FT BODY		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	1	74,529.00	Y		
1.92) TRUCK VAN 25500 GVWR 12 FT-18 FT BODY		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	76,020.00	Y		
1.93) TRUCK WRECKER 1800 LB LIFT TOW HYDRAULIC		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	138,247.00	Y		
1.94) TRUCK WRECKER RHD		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	2	155,142.00	Y		
1.95) TRUCK WRECKER 7500 LB LIFT TOW HYDRAULIC		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	3	148,573.00	Y		
1.96) TRUCK WRECKER ROLLCBACK		2020	Unknown / Unknown	C / TBD	DLA	Oct 2019	Oct 2019	1	121,448.00	Y		

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2) COMBAT CONSTRUCTION SUPPORT EQUIPMENT												
2.1) EXPEDITIONARY FACILITIES - INTEGRATED BERTHING 48 PERSON		2019	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2021	21	379,216.00	Y		
2.1) EXPEDITIONARY FACILITIES - INTEGRATED BERTHING 48 PERSON		2020	Unknown / Unknown	MIPR	DLA	Apr 2020	Apr 2020	30	386,801.00	Y		
2.1) EXPEDITIONARY FACILITIES - INTEGRATED BERTHING 48 PERSON		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	10	394,537.00	Y		
2.2) COMPRESSOR AIR ROTARY 125CFM AT 100PSIG DED		2021	Unknown / Unknown	MIPR	DLA	Apr 2021	Apr 2021	1	10,527.00	Y		
2.3) CONTAINER, REFRIGERATION, STANDARD 20FT		2018	VARIOUS / VARIOUS	MIPR	Army	Feb 2019	Aug 2019	15	141,000.00	Y		
2.3) CONTAINER, REFRIGERATION, STANDARD 20FT		2019	VARIOUS / VARIOUS	MIPR	Army	May 2019	May 2019	4	143,820.00	Y		
2.4) CONTAINERS		2016	MainstreamEngineering Corporation / Rockledge FL	MIPR	DLA	May 2016	Dec 2016	11	21,988.00	Y		
2.4) CONTAINERS		2018	MainstreamEngineering Corporation / Rockledge FL	MIPR	DLA	Sep 2018	Feb 2019	51	22,809.00	Y		
2.5) EXPEDITIONARY FACILITY		2016	VARIOIUS / VARIOUS	MIPR	DLA	Jun 2016	Nov 2016	5	696,197.00	Y		
2.5) EXPEDITIONARY FACILITY		2017	VARIOIUS / VARIOUS	MIPR	DLA	Jan 2017	Jun 2017	5	805,151.00	Y		
2.5) EXPEDITIONARY FACILITY		2018	VARIOIUS / VARIOUS	MIPR	DLA	Sep 2018	Feb 2019	6	722,195.00	Y		
2.6) EXPEDITIONARY FACILITY (RESERVE FORCES)		2016	VARIOIUS / VARIOUS	MIPR	DLA	Sep 2016	Feb 2017	2	696,197.00	Y		
2.7) EXPEDITIONARY FACILITY-TACTICAL OPERATION COMMAND		2019	VARIOUS / VARIOUS	MIPR	DLA	Sep 2019	Sep 2020	25	360,252.00	Y		
2.8) EXPEDITIONARY FACILITY-COMMAND OPERATIONS CCENTER - MEDIUM		2019	VARIOUS / VARIOUS	MIPR	DLA	Mar 2019	Mar 2020	4	920,000.00	Y		
2.9) EXPEDITIONARY FACILITIES - GALLEY		2020	Unknown / Unknown	MIPR	DLA	Mar 2020	Dec 2020	3	743,419.67	Y		
2.10) Expeditionary Facilities - Field Kitchen		2020	Unknown / Unknown	C / TBD	DLA	May 2020	May 2020	20	250,000.00	Y		
2.12) MANPORTABLE WATER FILTRATION		2018	Unknown / Unknown	MIPR	USMC	Apr 2020	Oct 2020	4	22,000.00	Y		
3) MOBILE UTILITIES SUPPORT EQUIPMENT												

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3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2016	Argo Systems, LLC / Hanover, MD	C / FFP	NAVFAC	May 2016	May 2017	1	900,000.00	Y		
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2017	Argo Systems, LLC / Hanover, MD	C / FFP	NAVFAC	Oct 2017	Oct 2018	1	847,000.00	Y		
3.1) MOBILE UTILITIES SUPPORT EQUIPMENT		2018	Argo Systems, LLC / Hanover, MD	C / FFP	NAVFAC	Sep 2018	Sep 2019	1	909,000.00	Y		
3.2) AUXILIARY DIESEL GENERATORS		2019	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	49,000.00	Y		
3.2) AUXILIARY DIESEL GENERATORS		2020	Unknown / Unknown	C / FFP	NAVFAC	Apr 2020	Apr 2020	2	50,000.00	Y		
3.2) AUXILIARY DIESEL GENERATORS		2021	Unknown / Unknown	C / FFP	NAVFAC	Apr 2021	Apr 2021	5	50,000.00	Y		
3.3) DIESEL GENERATORS (4160V)		2019	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Aug 2019	Aug 2020	3	1,221K	Y		
3.3) DIESEL GENERATORS (4160V)		2020	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Mar 2020	Mar 2020	3	1,250K	Y		
3.3) DIESEL GENERATORS (4160V)		2021	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Mar 2021	Mar 2021	3	1,268K	Y		
3.4) TIER-2 COMPLIANT CUMMINS ENGINES		2019	C&C / Columbus, GA	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	300,000.00	Y		
3.5) 2000 AMP, 5KV/15KV LOAD DISTRIBUTION SWITCHGEAR		2019	C&C / Columbus, GA	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	1,500K	Y		
3.5) 2000 AMP, 5KV/15KV LOAD DISTRIBUTION SWITCHGEAR		2020	C&C / Columbus, GA	C / FFP	NAVFAC	Apr 2020	Apr 2020	1	1,536K	Y		
3.5) 2000 AMP, 5KV/15KV LOAD DISTRIBUTION SWITCHGEAR		2021	C&C / Columbus, GA	C / FFP	NAVFAC	Apr 2021	Apr 2021	1	1,556K	Y		
3.6) 2500 KVA, 5KV/15KV TRANSFORMER		2019	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	150,000.00	Y		
3.6) 2500 KVA, 5KV/15KV TRANSFORMER		2020	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Apr 2020	Apr 2020	2	153,000.00	Y		
3.6) 2500 KVA, 5KV/15KV TRANSFORMER		2021	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Apr 2021	Apr 2021	1	156,060.00	Y		
3.7) 3750 KVA, 5KV/480 V TRANSFORMER		2019	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	400,000.00	Y		
3.7) 3750 KVA, 5KV/480 V TRANSFORMER		2020	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Apr 2020	Apr 2021	1	413,666.00	Y		
3.7) 3750 KVA, 5KV/480 V TRANSFORMER		2021	Argo / Brookfield, Wisconsin	C / FFP	NAVFAC	Apr 2021	Apr 2022	1	416,160.00	Y		
3.8) 5000 AMP, 480 V LOAD DISTRIBUTION SWITCHGEAR		2019	C&C / Columbus, GA	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	1,000K	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6060 / Items less than \$5 Million					Aggregated Items: Items under \$5 million				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.8) 5000 AMP, 480 V LOAD DISTRIBUTION SWITCHGEAR		2020	C&C / Columbus, GA	C / FFP	NAVFAC	Oct 2019	Oct 2019	1	1,026K	Y		
3.8) 5000 AMP, 480 V LOAD DISTRIBUTION SWITCHGEAR		2021	C&C / Columbus, GA	C / FFP	NAVFAC	Oct 2020	Oct 2020	1	1,040K	Y		
3.9) 3200 AMP, 480 V MOBILE POWER MOUND AND MISC. AND CONNECTORS		2019	C&C / Columbus, GA	C / FFP	NAVFAC	Aug 2019	Aug 2020	1	300,000.00	Y		
3.9) 3200 AMP, 480 V MOBILE POWER MOUND AND MISC. AND CONNECTORS		2020	C&C / Columbus, GA	C / FFP	NAVFAC	Apr 2020	Apr 2021	1	306,000.00	Y		
3.9) 3200 AMP, 480 V MOBILE POWER MOUND AND MISC. AND CONNECTORS		2021	C&C / Columbus, GA	C / FFP	NAVFAC	Apr 2021	Apr 2022	1	312,120.00	Y		
4) OCEAN CONSTRUCTION EQUIPMENT												
4.1) OCEAN CONSTRUCTION EQUIPMENT		2016	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Mar 2016	Jul 2016	4	75,000.00	Y		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2017	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Oct 2017	Feb 2018	4	59,000.00	Y		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2018	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Sep 2018	Jan 2019	4	91,000.00	Y		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2019	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / FFP	NAVFAC	Mar 2019	Mar 2019	4	73,250.00	Y		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2020	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / TBD	NAVFAC	Mar 2020	Mar 2020	4	61,250.00	Y		
4.1) OCEAN CONSTRUCTION EQUIPMENT		2021	ADS Operational Equipment and Logistics Support / Virginia Beach, VA	C / TBD	NAVFAC	Oct 2020	Oct 2020	4	60,500.00	N		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment										P-1 Line Item Number / Title: 6075 / Physical Security Vehicles			
ID Code (A=Service Ready, B=Not Service Ready): A										Program Elements for Code B Items: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	0.887	1.140	1.173	1.171	0.000	1.171	1.196	1.227	1.244	1.268	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	0.887	1.140	1.173	1.171	0.000	1.171	1.196	1.227	1.244	1.268	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	0.887	1.140	1.173	1.171	0.000	1.171	1.196	1.227	1.244	1.268	Continuing	Continuing	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: This budget line item funds procurement of physical security vehicles to include armored sedans and armored cargo/utility trucks assigned to Antiterrorism (AT), Counterintelligence (CI), and Counternarcotics (CN) missions in high threat OCONUS locations.													
Sedans and cargo/utility trucks are armored to various levels of protection and are on platforms of varying sizes and gross vehicle weights, dependent upon the level of threat and the operating environment. These vehicles are generically referred to as either Commercial Heavy Armored Vehicles (CHAVs) or Commercial Light Armored Vehicles (CLAVs).													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 05: Civil Engineering Support Equip / BSA 1: Civil Engineering Support Equipment					P-1 Line Item Number / Title: 6075 / Physical Security Vehicles				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A		
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Physical Security Vehicles	P-5a			- / 0.887	- / 1.141	- / 1.173	- / 1.171	- / -
P-40	Total Gross/Weapon System Cost				- / 0.887	- / 1.140	- / 1.173	- / 1.171	- / 0.000
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1					P-1 Line Item Number / Title: 6075 / Physical Security Vehicles									Aggregated Items Title: Physical Security Vehicles						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) HEAVY ARMORED VEHICLES																				
1.1) AUTOMOBILE SEDAN ARMORED HEAVY ^(†)	A		-	-	0.887	-	-	-	466,000.00	1	0.466	-	-	-	-	-	-	-		
<i>Subtotal: 1) HEAVY ARMORED VEHICLES</i>			-	-	0.887	-	-	-	-	0.466	-	-	-	-	-	-	-	-		
2) LIGHT ARMORED VEHICLES																				
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED ^(†)	A		-	-	-	163,000.00	7	1.141	176,750.00	4	0.707	167,286.00	7	1.171	-	-	-	167,286.00	7	1.171
<i>Subtotal: 2) LIGHT ARMORED VEHICLES</i>			-	-	0.000	-	-	1.141	-	-	0.707	-	-	1.171	-	-	-	-	1.171	
Total			-	-	0.887	-	-	1.141	-	-	1.173	-	-	1.171	-	-	-	-	1.171	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 05 / 1			P-1 Line Item Number / Title: 6075 / Physical Security Vehicles					Aggregated Items: Physical Security Vehicles				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) HEAVY ARMORED VEHICLES												
1.1) AUTOMOBILE SEDAN ARMORED HEAVY		2020	Unknown / Unknown	MIPR	RPSO	Apr 2020	Sep 2020	1	466,000.00	Y		
2) LIGHT ARMORED VEHICLES												
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2019	Square One Armoring Services / Miami, FL	MIPR	RPSO	Nov 2019	Jul 2020	7	163,000.00	Y		
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2020	Unknown / Unknown	MIPR	RPSO	Jul 2020	Mar 2021	4	176,750.00	Y		
2.1) 4X4 4 DOOR 6 PASS LIGHT ARMORED		2021	Unknown / Unknown	MIPR	RPSO	Jul 2021	Mar 2022	7	167,286.00	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment					P-1 Line Item Number / Title: 7025 / Supply Equipment							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: 0708012N				Other Related Program Elements: 0204996N					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	17.386	16.830	19.693	0.000	19.693	24.414	21.431	21.721	22.146	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	17.386	16.830	19.693	0.000	19.693	24.414	21.431	21.721	22.146	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	17.386	16.830	19.693	0.000	19.693	24.414	21.431	21.721	22.146	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
MATERIAL HANDLING EQUIPMENT (MHE): This program funds the procurement of Material Handling Equipment to satisfy operational requirements and replaces overaged non-repairable equipment used in material handling operations at world-wide Navy activities. Major using activities include ships, naval magazines, air stations, weapon stations, and overseas support activities such as Sigonella and Sasebo. The MHE program also funds General Fund activities to meet known operational requirements for replacement of equipment which has exceeded its economic life. Overaged equipment is not cost effective to maintain for continued operation, and repair parts are difficult to obtain. Replacement of overaged equipment with new and more efficient models will reduce excessive costs attributed to repair/overhaul, downtime and maintenance. New equipment will enhance productivity and enable stations to meet handling and logistics requirements in an efficient and effective manner.												
NAVY CASH PROGRAM: This program funds the procurement of the Navy Cash system. Navy Cash was developed in partnership with the US Department of Treasury to improve business processes, create workload efficiencies, and enhance the quality of life for Sailors and Marines on board ship. It enhances the efficiencies and security of automated pay delivery and safekeeping. Navy Cash automates all retail collections on ship and is a Treasury Direct Disbursing (TDD) compliant system.												
Navy Cash system provides critical regulatory and Financial Improvement and Audit Readiness (FIAR) compliance standards mandated by DoD and Department of Treasury for achieving audit readiness of financial statements. Navy Cash system performs daily reporting of financial accountability as part of the TDD mandate and corrects an OUSD identified material weakness. Deployments are ongoing and are dependent on ship schedules and CNO availabilities.												
The legacy Navy Cash environment is dependent on a specific hardware and software environment that is costly to maintain and reaching end-of-life on key operating components. Navy Cash 2.0/Europay, Mastercard, Visa (EMV) is the next logical progression in cashless operations that will enhance the current Navy Cash solution and support interoperability with all other DoD service partners (Army, AF, USMC).												
The Navy Cash card is a branded debit card that looks like a typical debit or check card. It utilizes a pre-paid debit model to provide deployed Sailors and Marines 24/7 access to pay, and enables a cashless shipboard environment for all retail and other personal financial transactions. In addition, Navy Cash cards are an important tool for deployed Sailors and Marines to obtain cash at any worldwide ATM ashore.												
Navy Cash reduces workload for the Disbursing Office and other retail merchants through out the ship including Ships Store, Food Service, Postal and MWR. This affords more time for core functions and thereby increases readiness. It also improves shipboard business practices by automating and significantly reducing the handling of bills, coins, personal checks, and money orders, automating back-end financial processes and minimizing error-prone cash transactions while it reduces the workload associated with cash management and improves the efficiency and accuracy of fiscal accountability. This overall reduction in the need for cash decreases the costs associated with maintaining large amounts of cash in the safes of ships for the six or more months of deployment.												

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment	P-1 Line Item Number / Title: 7025 / Supply Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0708012N	Other Related Program Elements: 0204996N
Line Item MDAP/MAIS Code: N/A		
Ship Availabilities for Navy Cash Program: 2019 26 Availabilities (17 Small / 5 Med / 1 Large / 3 CVN) 2020 26 Availabilities (17 Small / 6 Med / 0 Large / 3 CVN) 2021 27 Availabilities (12 Small / 8 Med / 4 Large / 3 CVN) 2022 22 Availabilities (18 Small / 2 Med / 2 Large / 0 CVN) 2023 20 Availabilities (13 Small / 4 Med / 2 Large / 1 CVN) 2024 19 Availabilities (13 Small / 4 Med / 2 Large / 0 CVN) 2025 24 Availabilities (15 Small / 5 Med / 2 Large / 2 CVN)		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment				P-1 Line Item Number / Title: 7025 / Supply Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: 0708012N						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Supply Equipment (Materials Handling Equipment)	P-5a			- / 0.000	- / 14.194	- / 14.033	- / 16.910	- / -	- / 16.910
P-5	1 / Supply Equipment (Other Supply Support Equipment)				- / 0.000	- / 3.192	- / 2.797	- / 2.783	- / 0.000	- / 2.783
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 17.386	- / 16.830	- / 19.693	- / 0.000	- / 19.693

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

LI 7025 increase of \$3M provides forward logistics infrastructure in support of the European Defense Initiative (EDI). Increase is to procure the new requirement for Material Handling Equipment for five 6,000 lb 1330 Shipboard, one 6,000 lb 1375, and the replacement requirement of ten 6,000 lb 1300, three 6,000 lb 1820 Shipboard, 20,000 & 30,000 lb. 1200 Shipboard, and 4,000 lb 1610, one 4,000 lb 1420, seven 6,000 lb 1610 and 27 6,000 lb 1900 Manual Pallet Jack (Shipboard)

Funding is to procure the new requirement for Material Handling Equipment for one 25,000 lb 1433, and the replacement requirement of thirty six 6,000 lb 1330, twenty four 6,000 lb 1350 shipboard, thirteen 15,000 lb 1340, eleven 6,000 lb 1370, ten 34,000 lb 1340, nine 10,000 lb 1340 and 4,000 lb 1390 shipboard. It also procures a number of 20,000 lb 1200 shipboard, 30,000 lb 1200 shipboard, and 20,000 lb 1340, to replace aged equipment to improve safety and efficiency.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1						P-1 Line Item Number / Title: 7025 / Supply Equipment									Aggregated Items Title: Supply Equipment (Materials Handling Equipment)					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) New Requirements																				
1.4) 25,000 lb 1433 (W4005) ^(†)	A		-	-	-	926,508.00	1	0.927	945,038.00	1	0.945	963,939.00	1	0.964	-	-	-	963,939.00	1	0.964
1.6) Non-Powered MHE	A		-	-	-	-	-	0.001	-	-	0.012	-	-	0.021	-	-	-	-	-	0.021
<i>Subtotal: 1) New Requirements</i>			-	-	0.000		-	-	0.928	-	-	0.957	-	-	0.985	-	-	-	-	0.985
2) Replacement Program																				
2.1) 4,000 lb 1300 (W4001) ^(†)	A		-	-	-	29,006.00	2	0.058	29,586.00	4	0.119	30,178.00	2	0.060	-	-	-	30,178.00	2	0.060
2.2) 6,000 lb 1300 (W4001) ^(†)	A		-	-	-	33,943.00	5	0.170	34,622.00	5	0.173	35,314.00	6	0.212	-	-	-	35,314.00	6	0.212
2.4) 6,000 lb 1302 (W4001) ^(†)	A		-	-	-	34,082.00	7	0.239	34,764.00	3	0.104	35,459.00	6	0.213	-	-	-	35,459.00	6	0.213
2.5) 4,000 lb 1305 (W4001) ^(†)	A		-	-	-	30,785.00	4	0.123	31,401.00	5	0.157	32,009.00	8	0.256	-	-	-	32,009.00	8	0.256
2.6) 6,000 lb 1305 (W4001) ^(†)	A		-	-	-	33,990.00	4	0.136	34,670.00	7	0.243	35,363.00	7	0.248	-	-	-	35,363.00	7	0.248
2.9) 4,000 lb 1325 (W4001) ^(†)	A		-	-	-	30,383.00	5	0.152	30,991.00	5	0.155	31,610.00	1	0.032	-	-	-	31,610.00	1	0.032
2.10) 6,000 lb 1325 (W4001) ^(†)	A		-	-	-	37,938.00	2	0.076	38,697.00	4	0.155	39,471.00	7	0.276	-	-	-	39,471.00	7	0.276
2.12) 6,000 lb 1330 (W4001) ^(†)	A		-	-	-	33,944.00	29	0.984	34,623.00	37	1.281	35,315.00	36	1.271	-	-	-	35,315.00	36	1.271
2.13) 10,000 lb 1340 (W4001) ^(†)	A		-	-	-	67,757.00	6	0.407	69,112.00	8	0.553	70,494.00	9	0.634	-	-	-	70,494.00	9	0.634
2.14) 15,000 lb 1340 (W4001) ^(†)	A		-	-	-	73,018.00	11	0.803	74,478.00	9	0.670	75,968.00	13	0.988	-	-	-	75,968.00	13	0.988
2.15) 20,000 lb 1340 (W4001) ^(†)	A		-	-	-	135,345.00	3	0.406	138,052.00	1	0.138	140,813.00	3	0.422	-	-	-	140,813.00	3	0.422
2.16) 20,000 lb 1340 (W4001) Shipboard ^(†)	A		-	-	-	166,373.00	5	0.832	169,700.00	3	0.509	173,094.00	1	0.173	-	-	-	173,094.00	1	0.173
2.18) 34,000 lb 1340 (W4001) ^(†)	A		-	-	-	171,580.00	4	0.686	175,012.00	8	1.400	178,512.00	10	1.785	-	-	-	178,512.00	10	1.785
2.19) 10,000 lb 1343 (W4001) ^(†)	A		-	-	-	85,400.00	5	0.427	-	-	-	88,954.00	6	0.534	-	-	-	88,954.00	6	0.534
2.22) 6,000 lb 1350 (W4001) Shipboard ^(†)	A		-	-	-	61,907.00	2	0.124	-	-	-	64,408.00	24	1.546	-	-	-	64,408.00	24	1.546

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1						P-1 Line Item Number / Title: 7025 / Supply Equipment								Aggregated Items Title: Supply Equipment (Materials Handling Equipment)						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
2.23) 6,000 lb 1351 (W4001) Shipboard ^(†)	A		-	-	-	82,473.00	11	0.907	-	-	85,805.00	8	0.686	-	-	-	85,805.00	8	0.686	
2.24) 4,000 lb 1370 (W4001) ^(†)	A		-	-	-	30,005.00	7	0.210	30,605.00	5	0.153	31,217.00	9	0.281	-	-	-	31,217.00	9	0.281
2.25) 6,000 lb 1370 (W4001) ^(†)	A		-	-	-	36,330.00	8	0.291	37,057.00	9	0.334	37,798.00	11	0.416	-	-	-	37,798.00	11	0.416
2.26) 4,000 lb 1370 (W4001) Shipboard ^(†)	A		-	-	-	70,454.00	16	1.127	71,417.00	13	0.928	72,845.00	6	0.437	-	-	-	72,845.00	6	0.437
2.29) 4,000 lb 1390 (W4001) Shipboard ^(†)	A		-	-	-	120,099.00	24	2.882	122,501.00	24	2.940	124,951.00	9	1.125	-	-	-	124,951.00	9	1.125
2.39) 4,000 lb 1125 (W4003) ^(†)	A		-	-	-	43,980.00	2	0.088	-	-	-	-	-	-	-	-	-	-	-	-
2.41) 20,000 lb 1200 (W4004) Shipboard ^(†)	A		-	-	-	168,816.00	7	1.182	172,192.00	7	1.205	175,636.00	4	0.703	-	-	-	175,636.00	4	0.703
2.42) 30,000 lb 1200 (W4004) Shipboard ^(†)	A		-	-	-	301,555.00	3	0.905	307,586.00	6	1.846	313,738.00	2	0.627	-	-	-	313,738.00	2	0.627
2.46) 6,000 lb Manual Pallet Jack (Shipboard) ^(†)	A		-	-	-	6,314.00	8	0.051	6,440.00	2	0.013	-	-	-	-	-	-	-	-	
2.47) EDI	A		-	-	-	-	-	-	-	-	-	-	3.000	-	-	-	-	-	3.000	
Subtotal: 2) Replacement Program			-	-	0.000	-	-	13.266	-	-	13.076	-	-	15.925	-	-	-	-	15.925	
Total			-	-	0.000	-	-	14.194	-	-	14.033	-	-	16.910	-	-	-	-	16.910	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1			P-1 Line Item Number / Title: 7025 / Supply Equipment					Aggregated Items: Supply Equipment (Materials Handling Equipment)				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) New Requirements												
1.4) 25,000 lb 1433 (W4005)		2019	Wright & Wright / Kentucky	C / FP	DSC Philadelphia	Dec 2018	Jun 2019	1	926,508.00	Y		
1.4) 25,000 lb 1433 (W4005)		2020	Wright & Wright / Kentucky	C / FP	DSC Philadelphia	Dec 2019	Jun 2020	1	945,038.00	Y		
1.4) 25,000 lb 1433 (W4005)		2021	Wright & Wright / Kentucky	C / FP	DSC Philadelphia	Dec 2020	Jun 2021	1	963,939.00	Y		
2) Replacement Program												
2.1) 4,000 lb 1300 (W4001)		2019	Hyster / CA	C / FP	DSC Philadelphia	Dec 2018	Jul 2019	2	29,006.00	Y		
2.1) 4,000 lb 1300 (W4001)		2020	Hyster / CA	C / FP	DSC Philadelphia	Dec 2019	Jul 2020	3	29,586.00	Y		
2.1) 4,000 lb 1300 (W4001)	✓	2020	Hyster / CA	C / FP	DSC Philadelphia	Dec 2019	Jul 2020	1	29,586.00	Y		
2.1) 4,000 lb 1300 (W4001)		2021	Hyster / CA	C / FP	DSC Philadelphia	Dec 2020	Dec 2020	2	30,178.00	Y		
2.2) 6,000 lb 1300 (W4001)		2019	Raymond / CA	C / FP	DSC Philadelphia	Nov 2018	May 2019	5	33,943.00	Y		
2.2) 6,000 lb 1300 (W4001)		2020	Raymond / CA	C / FP	DSC Philadelphia	Nov 2019	May 2020	5	34,622.00	Y		
2.2) 6,000 lb 1300 (W4001)		2021	Raymond / CA	C / FP	DSC Philadelphia	Nov 2020	May 2021	6	35,314.00	Y		
2.4) 6,000 lb 1302 (W4001)		2019	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	7	34,082.00	Y		
2.4) 6,000 lb 1302 (W4001)		2020	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	3	34,764.00	Y		
2.4) 6,000 lb 1302 (W4001)		2021	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	6	35,459.00	Y		
2.5) 4,000 lb 1305 (W4001)		2019	Hyster / CA	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	4	30,785.00	Y		
2.5) 4,000 lb 1305 (W4001)		2020	Hyster / CA	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	5	31,401.00	Y		
2.5) 4,000 lb 1305 (W4001)		2021	Hyster / CA	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	8	32,009.00	Y		
2.6) 6,000 lb 1305 (W4001)		2019	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	4	33,990.00	Y		
2.6) 6,000 lb 1305 (W4001)		2020	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	7	34,670.00	Y		
2.6) 6,000 lb 1305 (W4001)		2021	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Dec 2020	Jul 2021	7	35,363.00	Y		
2.9) 4,000 lb 1325 (W4001)		2019	Hyster / CA	C / FP	DSC Philadelphia	Oct 2018	May 2019	5	30,383.00	Y		
2.9) 4,000 lb 1325 (W4001)		2020	Hyster / CA	C / FP	DSC Philadelphia	Oct 2019	May 2020	5	30,991.00	Y		
2.9) 4,000 lb 1325 (W4001)		2021	Hyster / CA	C / FP	DSC Philadelphia	Oct 2020	May 2021	1	31,610.00	Y		
2.10) 6,000 lb 1325 (W4001)		2019	Hyster / CA	C / FP	DSC Philadelphia	Oct 2018	May 2019	2	37,938.00	Y		
2.10) 6,000 lb 1325 (W4001)		2020	Hyster / CA	C / FP	DSC Philadelphia	Oct 2019	May 2020	4	38,697.00	Y		
2.10) 6,000 lb 1325 (W4001)		2021	Hyster / CA	C / FP	DSC Philadelphia	Oct 2020	May 2021	7	39,471.00	Y		
2.12) 6,000 lb 1330 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Dec 2018	May 2019	29	33,944.00	Y		
2.12) 6,000 lb 1330 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Dec 2019	May 2020	37	34,623.00	Y		
2.12) 6,000 lb 1330 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Dec 2020	May 2021	36	35,315.00	Y		
2.13) 10,000 lb 1340 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jul 2019	6	67,757.00	Y		
2.13) 10,000 lb 1340 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Nov 2019	Jul 2020	7	69,112.00	Y		
2.13) 10,000 lb 1340 (W4001)	✓	2020	NACCO / OH	C / FP	DSC Philadelphia	Nov 2019	Jul 2020	1	69,112.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1			P-1 Line Item Number / Title: 7025 / Supply Equipment					Aggregated Items: Supply Equipment (Materials Handling Equipment)				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.13) 10,000 lb 1340 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Nov 2020	Jul 2021	9	70,494.00	Y		
2.14) 15,000 lb 1340 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	11	73,018.00	Y		
2.14) 15,000 lb 1340 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	9	74,478.00	Y		
2.14) 15,000 lb 1340 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	13	75,968.00	Y		
2.15) 20,000 lb 1340 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jul 2019	3	135,345.00	Y		
2.15) 20,000 lb 1340 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Nov 2019	Jul 2020	1	138,052.00	Y		
2.15) 20,000 lb 1340 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Nov 2020	Jul 2021	3	140,813.00	Y		
2.16) 20,000 lb 1340 (W4001) Shipboard		2019	Wesley / GA	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	5	166,373.00	Y		
2.16) 20,000 lb 1340 (W4001) Shipboard		2020	Wesley / GA	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	3	169,700.00	Y		
2.16) 20,000 lb 1340 (W4001) Shipboard		2021	Wesley / GA	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	1	173,094.00	Y		
2.18) 34,000 lb 1340 (W4001)		2019	Kalmar / TX	C / FP	DSC Philadelphia	Nov 2018	Jul 2019	4	171,580.00	Y		
2.18) 34,000 lb 1340 (W4001)		2020	Kalmar / TX	C / FP	DSC Philadelphia	Jul 2020	Jan 2021	8	175,012.00	Y		
2.18) 34,000 lb 1340 (W4001)		2021	Kalmar / TX	C / FP	DSC Philadelphia	Jan 2021	Jul 2021	10	178,512.00	Y		
2.19) 10,000 lb 1343 (W4001)		2019	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	5	85,400.00	Y		
2.19) 10,000 lb 1343 (W4001)		2021	Liftking / Ontario, Canada	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	6	88,954.00	Y		
2.22) 6,000 lb 1350 (W4001) Shipboard		2019	Hyster / CA	C / FP	DSC Philadelphia	Dec 2018	Jun 2019	2	61,907.00	Y		
2.22) 6,000 lb 1350 (W4001) Shipboard		2021	Hyster / CA	C / FP	DSC Philadelphia	Dec 2020	Jun 2021	24	64,408.00	Y		
2.23) 6,000 lb 1351 (W4001) Shipboard		2019	Hyster / CA	C / FP	DSC Philadelphia	Nov 2018	Jul 2019	11	82,473.00	Y		
2.23) 6,000 lb 1351 (W4001) Shipboard		2021	Hyster / CA	C / FP	DSC Philadelphia	Nov 2020	Jul 2021	8	85,805.00	Y		
2.24) 4,000 lb 1370 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	7	30,005.00	Y		
2.24) 4,000 lb 1370 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Jun 2020	Nov 2020	5	30,605.00	Y		
2.24) 4,000 lb 1370 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Nov 2020	Apr 2021	9	31,217.00	Y		
2.25) 6,000 lb 1370 (W4001)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jun 2019	8	36,330.00	Y		
2.25) 6,000 lb 1370 (W4001)		2020	NACCO / OH	C / FP	DSC Philadelphia	Nov 2019	Jun 2020	9	37,057.00	Y		
2.25) 6,000 lb 1370 (W4001)		2021	NACCO / OH	C / FP	DSC Philadelphia	Nov 2020	Jun 2021	11	37,798.00	Y		
2.26) 4,000 lb 1370 (W4001) Shipboard		2019	Wesley / GA	C / FP	DSC Philadelphia	Dec 2018	Aug 2019	16	70,454.00	Y		
2.26) 4,000 lb 1370 (W4001) Shipboard		2020	Wesley / GA	C / FP	DSC Philadelphia	Dec 2019	Aug 2020	13	71,417.00	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1			P-1 Line Item Number / Title: 7025 / Supply Equipment					Aggregated Items: Supply Equipment (Materials Handling Equipment)				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.26) 4,000 lb 1370 (W4001) Shipboard		2021	Wesley / GA	C / FP	DSC Philadelphia	Dec 2020	Aug 2021	6	72,845.00	Y		
2.29) 4,000 lb 1390 (W4001) Shipboard		2019	Wesley / GA	C / FP	DSC Philadelphia	Nov 2018	Aug 2019	24	120,099.00	Y		
2.29) 4,000 lb 1390 (W4001) Shipboard		2020	Wesley / GA	C / FP	DSC Philadelphia	Nov 2019	Aug 2020	24	122,501.00	Y		
2.29) 4,000 lb 1390 (W4001) Shipboard		2021	Wesley / GA	C / FP	DSC Philadelphia	Nov 2020	Aug 2021	9	124,951.00	Y		
2.39) 4,000 lb 1125 (W4003)		2019	NACCO / OH	C / FP	DSC Philadelphia	Nov 2018	Jul 2019	2	43,980.00	Y		
2.41) 20,000 lb 1200 (W4004) Shipboard		2019	Hyster / CA	C / FP	DSC Philadelphia	Oct 2018	Jul 2019	7	168,816.00	Y		
2.41) 20,000 lb 1200 (W4004) Shipboard		2020	Hyster / CA	C / FP	DSC Philadelphia	Oct 2019	Jul 2020	7	172,192.00	Y		
2.41) 20,000 lb 1200 (W4004) Shipboard		2021	Hyster / CA	C / FP	DSC Philadelphia	Oct 2020	Jul 2021	4	175,636.00	Y		
2.42) 30,000 lb 1200 (W4004) Shipboard		2019	TOYOTA MOTOR CO / California	C / FP	DSC Philadelphia	Oct 2018	Jul 2019	3	301,555.00	Y		
2.42) 30,000 lb 1200 (W4004) Shipboard		2020	TOYOTA MOTOR CO / California	C / FP	DSC Philadelphia	Oct 2019	Jul 2020	6	307,586.00	Y		
2.42) 30,000 lb 1200 (W4004) Shipboard		2021	TOYOTA MOTOR CO / California	C / FP	DSC Philadelphia	Oct 2020	Jul 2021	2	313,738.00	Y		
2.46) 6,000 lb Manual Pallet Jack (Shipboard)		2019	Wesley / GA	C / FP	DSC Philadelphia	Jan 2019	Jun 2019	8	6,314.00	Y		
2.46) 6,000 lb Manual Pallet Jack (Shipboard)		2020	Wesley / GA	C / FP	DSC Philadelphia	Jan 2020	Jun 2020	2	6,440.00	Y		

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Exhibit P-5, Cost Analysis: PB 2021 Navy													Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1			P-1 Line Item Number / Title: 7025 / Supply Equipment										Item Number / Title [DODIC]: 1 / Supply Equipment (Other Supply Support Equipment)						
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:						
Resource Summary				Prior Years			FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (<i>Units in Each</i>)				-			-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				0.000			3.192		2.797		2.783		0.000		2.783				
Less PY Advance Procurement (\$ in Millions)				-			-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				0.000			3.192		2.797		2.783		0.000		2.783				
Plus CY Advance Procurement (\$ in Millions)				-			-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				0.000			3.192		2.797		2.783		0.000		2.783				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)				-			-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Dollars)				-			-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	
Support - Other Program Cost																			
1.1) Navy Cash Program	-	-	0.000	-	-	3.192	-	-	2.797	-	-	2.783	-	-	0.000	-	-	2.783	
<i>Subtotal: Support - Other Program Cost</i>	-	-	0.000	-	-	3.192	-	-	2.797	-	-	2.783	-	-	0.000	-	-	2.783	
Gross/Weapon System Cost	-	-	0.000	-	-	3.192	-	-	2.797	-	-	2.783	-	-	0.000	-	-	2.783	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy											Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:											
1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment					7066 / First Destination Transportation											
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A								
Line Item MDAP/MAIS Code: N/A																
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total				
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Cost (\$ in Millions)	47.725	6.499	5.899	4.956	0.520	5.476	5.840	5.940	5.995	6.126	Continuing	Continuing				
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Net Procurement (P-1) (\$ in Millions)	47.725	6.499	5.899	4.956	0.520	5.476	5.840	5.940	5.995	6.126	Continuing	Continuing				
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Total Obligation Authority (\$ in Millions)	47.725	6.499	5.899	4.956	0.520	5.476	5.840	5.940	5.995	6.126	Continuing	Continuing				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				

Description:

The FY 2021 funding request was reduced by \$0.101 million to account for the availability of prior year execution balances.

First Destination Transportation (FDT). FDT delivers material from a procurement source to the first point of use or storage which may be in the Continental United States or overseas. The procurement source may be a supplier outside of the Department of Defense (DoD) supply system or a DoD activity which fabricates new material. FDT also includes transportation from point of origin to point of use or storage when Navy-owned material or equipment is provided to a contractor incident to a Research and Development project or a system/equipment acquisition or modification.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment				P-1 Line Item Number / Title: 7066 / First Destination Transportation						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A			Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	First Destination Transportation				- / 47.725	- / 6.499	- / 5.899	- / 4.956	- / 0.520	- / 5.476
P-40	Total Gross/Weapon System Cost				- / 47.725	- / 6.499	- / 5.899	- / 4.956	- / 0.520	- / 5.476

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY2021 funds are required for transportation costs for shipments of OPN-procured equipment and material to the first point of use or storage, or as Government Furnished Equipment/Government Furnished Material (GFE/GFM) provided to a contractor incident to an OPN-funded system/equipment acquisition or modification.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy													Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1					P-1 Line Item Number / Title: 7066 / First Destination Transportation								Aggregated Items Title: First Destination Transportation							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) First Destination Transportation																				
1.1) First Destination Transportation - NAVSUP	A		-	-	18.720	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.2) First Destination Transportation - Strategic Systems Programs (SSP)	A		-	-	0.908	-	-	0.203	-	-	0.184	-	-	0.188	-	-	-	0.188		
1.3) First Destination Transportation - NAVWAR	A		-	-	4.209	-	-	0.601	-	-	0.602	-	-	0.645	-	-	-	0.645		
1.4) First Destination Transportation - NAVFAC	A		-	-	5.565	-	-	1.439	-	-	1.469	-	-	0.854	-	-	0.520	-	-	1.374
1.5) First Destination Transportation - NAVAIR	A		-	-	2.923	-	-	0.511	-	-	0.522	-	-	0.524	-	-	-	-	-	0.524
1.6) First Destination Transportation - NAVSEA	A		-	-	15.400	-	-	3.745	-	-	3.122	-	-	2.745	-	-	-	-	-	2.745
Subtotal: 1) First Destination Transportation			-	-	47.725	-	-	6.499	-	-	5.899	-	-	4.956	-	-	0.520	-	-	5.476
Total			-	-	47.725	-	-	6.499	-	-	5.899	-	-	4.956	-	-	0.520	-	-	5.476
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:										
1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment					7069 / Special Purpose Supply Systems										
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A							
Line Item MDAP/MAIS Code: N/A															
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total			
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Cost (\$ in Millions)	4,283.443	580.371	617.522	668.639	0.000	668.639	715.483	700.747	668.598	836.045	Continuing	Continuing			
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Net Procurement (P-1) (\$ in Millions)	4,283.443	580.371	617.522	668.639	0.000	668.639	715.483	700.747	668.598	836.045	Continuing	Continuing			
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Obligation Authority (\$ in Millions)	4,283.443	580.371	617.522	668.639	0.000	668.639	715.483	700.747	668.598	836.045	Continuing	Continuing			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)															
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-			
Description:															
The funding reported in this line item is classified and is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.															
[P40A / CLASSIFIED]: The Cost Element labeled "Classified" supports classified efforts. Details with respect to these efforts are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.															

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 06: Supply Support Equipment / BSA 1: Supply Support Equipment				P-1 Line Item Number / Title: 7069 / Special Purpose Supply Systems						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Special Purpose Supply Systems				- / 4,283.443	- / 580.371	- / 617.522	- / 668.639	- / -	- / 668.639
P-40	Total Gross/Weapon System Cost				- / 4,283.443	- / 580.371	- / 617.522	- / 668.639	- / 0.000	- / 668.639

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 06 / 1					P-1 Line Item Number / Title: 7069 / Special Purpose Supply Systems									Aggregated Items Title: Special Purpose Supply Systems						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Special Purpose Supply Systems																				
1) CLASSIFIED	A		-	-	4,283.443	-	-	580.371	-	-	617.522	-	-	668.639	-	-	-	-	-	668.639
<i>Subtotal: 1) Special Purpose Supply Systems</i>			-	-	4,283.443	-	-	580.371	-	-	617.522	-	-	668.639	-	-	-	-	-	668.639
Total			-	-	4,283.443	-	-	580.371	-	-	617.522	-	-	668.639	-	-	-	-	-	668.639

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices					P-1 Line Item Number / Title: 8081 / Training Support Equipment								
ID Code (A=Service Ready, B=Not Service Ready): A					Program Elements for Code B Items: N/A					Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	87.714	3.400	3.633	4.026	0.000	4.026	4.005	1.236	1.819	1.854	-	107.687	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	87.714	3.400	3.633	4.026	0.000	4.026	4.005	1.236	1.819	1.854	-	107.687	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	87.714	3.400	3.633	4.026	0.000	4.026	4.005	1.236	1.819	1.854	-	107.687	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description:													
Battle Stations-21 (BST-21): BST-21 is a facility that represents a 210-foot-long Arleigh Burke class destroyer and is the culminating training event for Recruit Training Command recruits to participate in a 12-hour simulation of 4 General Quarters scenarios and 13 shipboard scenarios that include engineering, lookout, and mass casualty drills. FY21 OPN funding would aid in the replacement of worn, outdated or obsolete equipment and technology, termed as life-cycle replacement. During a February 2015 Life-Cycle Sustainment assessment of BST-21, NAWCTSD identified two OPN issues: Information Assurance/Cybersecurity and Tech Refresh/Upgrades. Specifically, FY21 OPN funding would provide upgrades to the audiovisual systems, overall supervisory systems, training management systems, operating equipment, WIFI/LAN systems, UPS subsystems, and software modifications. Commander, Naval Education and Training Command stated BST-21 is mandatory graduation requirement, and BST-21 is a Fleet requirement for Block 0 of the Ready, Relevant Learning initiative.													
[P40A / TRAINING SUPPORT EQUIPMENT]: Funding provides for the training support equipment / systems used in support of and connected to the Navy Continuous Training Environment (NCTE) as well as all of the equipment / systems required to support the Fleet's Live, Virtual, and Constructive (LVC) training capability. The Fleet's LVC training capability includes all training systems, network equipment, IT equipment, communications equipment, C4I systems, and training devices used in the U.S. Navy.													
[P40A / AA800 - LIFE CYCLE MANAGEMENT (NCTE)]: Navy Continuous Training Environment (NCTE): The NCTE is a distributed training architecture and network that interconnects eighty-three plus (83+) Navy, Joint and Coalition training sites. To maximize return on the training dollar, reduce overall operating expense, and support the global live, virtual, and constructive nature of the NCTE, the suite of equipment must be continuously maintained, upgraded and keep pace with mandated DISA and DoD requirements. Planned periodic replacement of hardware is essential to keep pace with technology upgrades, allow virtualization of the NCTE infrastructure, and end of life issues associated with existing equipment. The upgrades/spare parts are vital to the Fleet's LVC training capability used by the U.S. Navy and Joint Services to prepare for deployment.													
[P40A / AA800 - BALLISTIC MISSILE DEFENSE (BMD)]: Ballistic Missile Defense (BMD) training equipment is required for the Navy to conduct BMD synthetic training events (BMDEX, Fleet Synthetic Training (FST) and FST at Sea) and shipboard qualification / certification events. The Navy has BMD-capable ships that must be adequately trained to meet operational BMD mission tasking to employ weapons systems, and to attain the BMD qualification required for deployment certification. TYCOMs, Numbered Fleet Commanders (NFC), and Afloat Training Groups (ATG) / Tactical Training Groups are responsible for the training, qualification, and certification of BMD ships and units. The integrated/advanced phase training and BMD qualification is a quarterly unit training requirement. This funds necessary equipment to support BMD training. The Fleet's LVC training capability funds the necessary equipment to support BMD training used by the U.S. Navy.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8081 / Training Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
[P40A / AA800 - BMD FST AT SEA]: Ballistic Missile Defense (BMD) Fleet Synthetic Training (FST) at Sea: Funding required to provide the capability to conduct integrated Live, Virtual and Constructive (LVC) single or multi-ship exercises with ships at sea using the Navy Continuous Training Environment (NCTE). This capability will support BMD and Integrated Air Missile Defense (IAMD) mission area Fleet sustainment training and mission rehearsal in theater, allow ships to participate in COCOM/Navy Component Commander mandated BMD/IAMD exercises while pierside or underway, as well as enhance BMD/IAMD training objective accomplishment in current FRTP underway training events such as COMPTUEX and JTFEX. The NCTE and FST directly support Fleet training readiness and strike group and BMD platform deployment certifications. The Fleet's LVC training capability funds the necessary equipment to support BMD FST at Sea training used by the U.S. Navy.		
[P40A / AA800 - ANTI-ACCESS AREA DENIAL (A2AD)]: Anti-Access Area Denial (A2AD) capability: Funds required to provide the NCTE architecture the systems required to incorporate specific technologies, C4ISR stimulation capabilities to train Fleet units in Anti-Access Area Denial (A2AD) Tactics, Techniques and Procedures (TTPs). The Fleet's LVC training capability funds the necessary equipment to support A2AD training used by the U.S. Navy.		
[P40A / AA800 - COMMON DATA LINK (CDL)]: Common Data Link (CDL): Funds required to procure systems required to support CDL architecture to provide realistic adversary and own-force presentations that allows CDL platforms and operators to coordinate and operate in a realistic manner utilizing real-world systems and protocols. Advanced training capabilities will permit development and certification of operational proficiency in Surface Warfare (SUW), Anti-Submarine Warfare (ASW) and Electronic Warfare (EW). The capability transports images and full motion video and supports intelligence gathering and exploitation training objectives. The Fleet's LVC training capability funds the necessary equipment to support CDL training used by the U.S. Navy.		
[P40A / AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS]: Digital Radio Management System (DRMS) Wholeness: Funds required to provide expanded capacity, improved reliability, and increased RF spectrum to live voice communications in the Digital Radio Management System (DRMS) for Tactical Training Ranges (TTR) and NCTE. Provide a single FST communications system enabling realistic tactical communications across all warfare areas, classification levels, and releasable domains. The Fleet's LVC training capability funds the necessary equipment to support DRMS Wholeness training used by the U.S. Navy.		
[P40A / AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)]: Naval Integrated Fire Control - Counter Air (NIFC-CA): Funds required to meet the goal of Naval Integrated Fire Control - Counter Air (NIFC-CA) for Fleet Synthetic Training (FST) that includes a Cooperative Engagement Capability (CEC) training solution, shore side constructive CEC units, and low fidelity E-2D virtual distributed aircrew training systems. The capabilities will supplement and integrate existing platform-level program of record solutions and is complementary to NAVAIR and NAVSEA efforts to deliver From the Sea (FTS) training capabilities. The Fleet's LVC training capability funds the necessary equipment to support NIFC-CA training used by the U.S. Navy.		
[P40A / AA800 - NCTE DISA COMPLIANCE]: Navy Continuous Training Environment (NCTE) Defense Information Security Agency (DISA) Compliance: Funds the transition of the NCTE from Asynchronous Transfer Mode (ATM) to Internet Protocol (IP) technology, as mandated by DISA. Supports simulators/simulation use in the Basic-through-Integrated phases of the Fleet Response Training Plan (FRTP).		
[P40A / AA800 - AEGIS ASHORE FLEET TRAINING]: Aegis Ashore (AA) Fleet Training: Funding required for Fleet Training Instructor support and Navy Continuous Training Environment connectivity and technical support for Aegis Ashore CONUS-based trainer. Funding will support Phased Adaptive Approach for missile defense of Europe		
[P40A / AA800 - FDNF EUROPE FLEET TRAINING]: Forward Deployed Naval Forces (FDNF) Europe Fleet Training: Funding required for Fleet Training Instructor support and Navy Continuous Training Environment connectivity for Forward Deployed Naval forces in Europe. Provides technical support and operational assistance of the deployed NCTE node. Funding will support Phased Adaptive Approach for missile defense of Europe.		
[P40A / H0004 - VBSS TRAINING CRAFT]: Visit, Board, Search, and Seizure (VBSS) Training Craft: Provide operational commander a capability to conduct VBSS and Maritime Interception Operations (MIO) from an Afloat Staging Base in conjunction with an overwatch craft and other friendly forces. Service life is 7 years.		
[P40A / YP001 - BOATS]: Boats: Funds procurement of service craft and small boats for training use. Planned procurements include: FY 2013 - One 27FT Boston Whaler small boats used for EOD underwater training @ NAVSCOLEOD. FY 2014 - Two 7M RHIB small boats used for EOD underwater training @ NAVSCOLEOD.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices	P-1 Line Item Number / Title: 8081 / Training Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / YP300 - GUARD TOWERS]: Guard Towers (Scenario Training Devices at both SERE East and SERE West locations): The Guard Towers used in support of delivering the resistance and escape phase of the training serves three separate functions. It is the command and control point for managing the training being conducted while the students are in the POW camp; it serves as the primary safety observation point for the training and is primary focal point for the POW camp scenario driven training. The tower is in poor condition and needs to be replaced.		
[P40A / YPYAV - AUDIO/VISUAL EQUIPMENT FOR JPME]: FY15 Naval War College (NWC) requires audio visual educational and research support equipment to complete P103 MILCON conversion of current Library and underground garage parking spaces of Hewitt Hall into a integrated learning commons for the Naval War College, CNO's Strategic Studies Group and Command Leadership School. This MILCON project is in direct response to the repeat accreditation findings by Chairman Joint Chiefs of Staff that NWC has inadequate spaces to support to student study and collaboration spaces. Additionally CNIC has previously documented inadequate NWC facilities space for its mission requirements. The project is also required because the library is considered a key mission deficit area, as cited by the CJCS during the last two accreditation Inspection. To complete the renovations, the P-103 requires A/V capabilities in FY15 to make the Library and Learning commons spaces usable as intended for the MILCON renovation. A modern higher education institution must support the use of the most current instructional and pedagogical tools and technology to deliver and support a 21st century curriculum for the proper development of 21st century leaders.		
[P40A / YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS]: Naval War College (NWC) requires audio visual educational and research support equipment to complete P103 MILCON conversion of current Library and underground garage parking spaces of Hewitt Hall into a integrated learning commons for the Naval War College, CNO's Strategic Studies Group and Command Leadership School. This MILCON project is in direct response to the repeat accreditation findings by Chairman Joint Chiefs of Staff that NWC has inadequate spaces to support to student study and collaboration spaces. Additionally CNIC has previously documented inadequate NWC facilities space for its mission requirements. The project is also required because the library is considered a key mission deficit area, as cited by the CJCS during the last two accreditation Inspection. To complete the renovations, the P-103 requires A/V capabilities in FY15 to make the Library and Learning commons spaces usable as intended for the MILCON renovation. A modern higher education institution must support the use of the most current instructional and pedagogical tools and technology to deliver and support a 21st century curriculum for the proper development of 21st century leaders.		
[P40A / YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE]: Upgrade Network, Telephone Switching and Education Delivery Systems to attain Internet Protocol version 6 (IPv6) compliance as mandated by OMB Memo to CIOs: Transition to IPv6 September 28, 2010 and DoD and DoN directives. This upgrade leverages BUPERS/Naval Post Graduate School's (NPS) lifecycle replacement schedule to meet the mandates. The current network electronics, telephone switch, and educational delivery systems have either reached or have exceeded end-of life in FY14. These devices will be IPv6 capable and allow implementation of the external facing compliance requirement as well as establishing the platform to fully implement IPv6 capability on the internal network for security, applications and web services.		
[P40A / YPYTD - TRAINING DELIVERY SERVICES (TDS)]: Virtual Desktop Infrastructure Initiative. The training enterprise is moving forward with implementing more efficient technologies to meet the training delivery mission via a virtual desktop infrastructure solution. The virtual desktop solution will be implemented over the next several years at each location in lieu of conducting the traditional one-for-one workstation refresh. The goals and benefits of VDI are to establish an agile, sustainable enterprise training delivery environment; standardize the processes, services and technology used to deliver training; improve the enterprise security posture; refresh outdated electronic classroom workstations and operating systems; and provide a solution that enables a streamlined, centralized IT workforce.		
[P40A / ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)]: NETC requires OPN funding in support of meeting the enterprise training delivery operations across the enterprise. Funds are utilized on virtual solutions that enable NETC to meet the DoD/DoN requirements of consolidating footprint while ensuring optimized performance of the desktops and servers in support of the Sailor 2025 and Ready, Relevant Learning.		
[P40A / YP010 - CONTINUITY OF OPERATIONS (COOP)]: Continuity of Operations (COOP): Existing IT infrastructure for training applications is insufficient to support the projected growth in content, users, and requirements for continuity of operations. Funds will be used to expand the capacity of servers, storage, and networks in addition to providing fail-over capability in the data center for storage of data and application code at an alternate site. These systems are vital to the operational readiness and effectiveness of education and training. Failure to make these investments could lead to immediate and sustained loss of mission effectiveness.		
[P40A / BATTLE STATIONS-21 (BST-21)]: BST-21 is a facility that represents a 210-foot-long Arleigh Burke class destroyer and is the culminating training event for Recruit Training Command recruits to participate in a 12-hour simulation of 4 General Quarters scenarios and 13 shipboard scenarios that include engineering, lookout, and mass casualty drills. FY19 and beyond OPN funding would aid in the		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices	P-1 Line Item Number / Title: 8081 / Training Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
replacement of worn, outdated or obsolete equipment and technology, termed as life-cycle replacement. During a February 2015 Life-Cycle Sustainment assessment of BST-21, NAWCTSD identified two OPN issues: Information Assurance/Cybersecurity and Tech Refresh/Upgrades. - Specifically, FY19 and beyond OPN funding would provide upgrades to the audiovisual systems, operating equipment, WIFI/LAN systems, and software modifications. - Commander, Naval Education and Training Command stated BST-21 is mandatory graduation requirement, and BST-21 is a Fleet requirement for Block 0 of the Ready, Relevant Learning initiative.		
[P40A / BST-21 AUDIOVISUAL LIGHTING SYSTEMS]: Funding provides for upgrades to Audiovisual Systems used to train recruits.		
[P40A / BST-21 SUPPORT SYSTEM]: The support systems consist of: 1. Ocean water: Ocean water storage, fire scenario water pumps, flooding pumps, recirculating pumps, and chlorination systems / 2. Ventilation: Air conditioning units, variable air volume controllers, mass casualty de-smoking exhaust, variable frequency drive, and exhaust equipment / 3. Compressed air / 4. Natural gas.		
[P40A / BST-21 INFORMATION ASSURANCE SOFTWARE MODIFICATION]: Funding provides for BST-21 Information Assurance Software. Software operating system technical refreshes are required about every three to five years so that BST-21 can maintain DOD Cybersecurity Security Controls Certification. Operating systems over time are no longer supported with security patches and updates by the manufacturers and have extended support end dates. Operating systems become non-compliant with Common Criteria Evaluation and Validation Scheme (CCEVS) or National Information Assurance Program (NIAP) at the extended support end date. Software operating system technical refreshes are required for BST-21 prior to the operating systems becoming non-compliant. When operating systems are refreshed there is a risk that some existing BST-21 software may have compatibility issues that will need resolved to maintain functionality. NSTC phased BST-21 technical refresh requirements across the FYDP and will update systems to gain compliance with Department of Defense Information Assurance (DoDIA). There is not a significant decrease from FY20 to FY21.		
[P40A / BST-21 SCENIC AND PROPS]: This item is hard to quantify into aggregate items per fiscal year. During year of execution and contract award, NSTC will be able to quantify items more effectively. For instance, the NAWCTSD life cycle sustainment plan divides the scenic and props category into six separate subcategories titled pier front, pier stores, ship exterior, 01 level, main deck, and 2nd deck with over 100 hardware items varying in quantities from 1 to 176 to a generic title of "lot".		
[P40A / BST-21 TRAINING MANAGEMENT SYSTEM]: One of seven BST-21 systems. The TMS consists of commercial computer hardware and commercial operating systems in addition to contractor-developed software designated specifically to manage and support the trainer's unique requirements. The TMS is comprised of the following subsystems: Master Control System (MCS), Instructor Control System (ICS), Software Support System (SSS), Hand Held Evaluation Tool System (HHET); Recruit IVCS Phone System (IVCS), Closed Circuit Television System (CCTV), TMS Local Area Network (LAN), Wireless Network (Wi-Fi) and Access Control Server (ACS) and Uninterruptible Power Supply (UPS). Programming resources fluctuate per NAWCTSD's BST-21 life cycle sustainment plan. These categories/areas and subcategories require 5-year maintenance cycles instead of annual FY maintenance. The increase from FY20 to FY21 provides for 1 MAJOR system plus IA/CS. The developed Life Cycle Sustainment Plan is planned by the system needing refreshed. It is not linear nor does it grow linearly, but rather by the system to be refreshed		
[P40A / BST-21 SPECIAL EFFECTS]: Funding supports Special Effects in association with BST-21. Scenic and Props (SVI): One of seven BST-21 systems. The SVI systems consist of: Pier facade, pier stores, ship exterior, 01 level, Main deck, and 2nd deck.		
[P40A / BST-21 OVERALL SUPERVISORY SYSTEM]: Funding supports overall supervisory systems.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices				P-1 Line Item Number / Title: 8081 / Training Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A			Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Training Support Equipment	P-5a, P-21			- / 87.714	- / 3.400	- / 3.633	- / 4.026	- / -	- / 4.026
P-40	Total Gross/Weapon System Cost				- / 87.714	- / 3.400	- / 3.633	- / 4.026	- / 0.000	- / 4.026

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The increase of \$0.393 million between FY 2020 and FY 2021 includes refresh of 1 MAJOR system Plus IA/CS. The developed Life Cycle Sustainment Plan is planned by the system needing refreshed. It is not linear nor does it grow linearly, but rather by the system to be refreshed. The increase is based on the developed Life Cycle Sustainment Plan which is planned by the system needing refreshed. Funding aids in the replacement of worn, outdated or obsolete equipment and technology, termed as life-cycle replacement.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy													Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8081 / Training Support Equipment								Aggregated Items Title: Training Support Equipment				
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) TRAINING SUPPORT EQUIPMENT																	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE) ^(†)	A		1,867K	6	11.200	-	-	-	-	-	-	-	-	-	-	-	-
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD) ^(†)	A		2,854K	5	14.271	-	-	-	-	-	-	-	-	-	-	-	-
1.3) AA800 - BMD FST AT SEA ^(†)	A		116,000.00	3	0.348	-	-	-	-	-	-	-	-	-	-	-	-
1.4) AA800 - ANTI-ACCESS AREA DENIAL (A2AD) ^(†)	A		574,000.00	1	0.574	-	-	-	-	-	-	-	-	-	-	-	-
1.5) AA800 - COMMON DATA LINK (CDL) ^(†)	A		450,000.00	1	0.450	-	-	-	-	-	-	-	-	-	-	-	-
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS ^(†)	A		970,000.00	2	1.940	-	-	-	-	-	-	-	-	-	-	-	-
1.7) AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ^(†)	A		500,000.00	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-
1.8) AA800 - NCTE DISA COMPLIANCE ^(†)	A		7,827K	3	23.481	-	-	-	-	-	-	-	-	-	-	-	-
1.9) AA800 - AEGIS ASHORE FLEET TRAINING ^(†)	A		1,061K	2	2.122	-	-	-	-	-	-	-	-	-	-	-	-
1.10) AA800 - FDNF EUROPE FLEET TRAINING ^(†)	A		4,800K	1	4.800	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 1) TRAINING SUPPORT EQUIPMENT</i>			-	-	59.686	-	-	-	-	-	-	-	-	-	-	-	-
2) VBSS TRAINING CRAFT																	
2.1) H0004 - VBSS TRAINING CRAFT ^(†)	A		1,175K	2	2.350	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 2) VBSS TRAINING CRAFT</i>			-	-	2.350	-	-	-	-	-	-	-	-	-	-	-	-
3) TRAINING SUPPORT EQUIP																	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1						P-1 Line Item Number / Title: 8081 / Training Support Equipment								Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
3.1) YP001 - BOATS ^(†)	A		302,000.00	5	1.510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) YP300 - GUARD TOWERS ^(†)	A		356,000.00	1	0.356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) YPYAV - AUDIO/ VISUAL EQUIPMENT FOR JPME ^(†)	A		376,000.00	1	0.376	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS ^(†)	A		124,000.00	1	0.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 3) TRAINING SUPPORT EQUIP</i>			-	-	2.366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE																				
4.1) PAN-PA-705-TP (THREAT PREVENTION SUBSCRIPTION) ^(†)	A		51,000.00	1	0.051	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) PAN-SVC-PREM-7050-PA (PREMIUM SUPPORT) ^(†)	A		48,000.00	1	0.048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) IPV6 APPLIANCE ACQUISITION ^(†)	A		177,000.00	1	0.177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) VOIP DEPLOYMENT ^(†)	A		173,000.00	1	0.173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.5) PYTHON STUDENT INFO SYSTEM MAINTENANCE ^(†)	A		18,000.00	12	0.216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.6) PYTHON STUDENT INFO SYSTEM REWRITE ^(†)	A		108,000.00	12	1.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7) PAN-PA-7050-AC PALO ALTO NETWORKS PA ^(†)	A		106,000.00	1	0.106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.8) PAN-PA-7000-20G-NPC (NETWORK PROCESSING CARD) ^(†)	A		128,000.00	2	0.256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1						P-1 Line Item Number / Title: 8081 / Training Support Equipment								Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
4.9) PAN-EDU-ONSITE PALO ALTO NETWORKS ^(†)	A		177,000.00	1	0.177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.10) CENIC UPGRADE NETWORKS OPTRONICS ^(†)	A		500,000.00	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.11) NETWORK REFRESH ^(†)	A		3,100K	1	3.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 4) YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE</i>			-	-	6.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) YPYTD - TRAINING DELIVERY SERVICES (TDS)																				
5.1) TRANET NETWORK (CISCO NETWORK SWITCHES/ ROUTERS) ^(†)	A		4,000.00	149	0.596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) ECR VDI/ VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES) ^(†)	A		5,127.27	220	1.128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES) ^(†)	A		400.00	3,105	1.242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) ECR VDI/ VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE) ^(†)	A		10,236.36	110	1.126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)	A		14,000.00	160	2.240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.6) ECR VDI IMPLEMENTATION (SERVER SOFTWARE) ^(†)	A		1,100.00	100	0.110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.7) VDI - STORAGE ENVIRONMENT ^(†)	A		680,000.00	1	0.680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.8) VDI - SERVER INFRASTRUCTURE ^(†)	A		752,000.00	1	0.752	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1						P-1 Line Item Number / Title: 8081 / Training Support Equipment								Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
5.9) VDI - NETWORKING ENVIRONMENT ^(†)	A		109,000.00	1	0.109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.10) VDI - MICROSOFT ENVIRONMENT ^(†)	A		1,089K	1	1.089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.11) VDI - VIRTUAL ENVIRONMENT ^(†)	A		1,602K	1	1.602	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.12) VDI - POWER SUPPLY ^(†)	A		38,000.00	1	0.038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.13) VDI - ZERO CLIENTS ^(†)	A		1,412K	1	1.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 5) YPYTD - TRAINING DELIVERY SERVICES (TDS)</i>			-	-	12.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) YP010 - CONTINUITY OF OPERATIONS (COOP)																				
6.1) COOP - ROUTER/ SWITCH-1 ^(†)	A		9,371.43	245	2.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) COOP - ROUTER SWITCH-2 ^(†)	A		9,366.67	30	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) COOP - ROUTER/ SWITCH-3 ^(†)	A		9,377.78	45	0.422	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) COOP - SAN NETWORK -1 ^(†)	A		9,375.00	96	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) COOP - SAN NETWORK-2 ^(†)	A		9,366.67	30	0.281	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) COOP - TACLane ^(†)	A		14,526.32	19	0.276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.7) COOP - STORAGE ^(†)	A		20,320.00	25	0.508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.8) COOP - SOFTWARE ^(†)	A		19,000.00	3	0.057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.9) COOP - NETWORKING INFRASTRUCTURE EQUIPMENT ^(†)	A		1,015.15	66	0.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) YP010 - CONTINUITY OF OPERATIONS (COOP)</i>			-	-	5.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) BATTLE STATIONS-21 (BST-21)^(†)																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8081 / Training Support Equipment									Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
7.1) BST-21 AUDIOVISUAL LIGHTING SYSTEMS ^(†)	A		-	-	-	1,445K	1	1.445	-	-	-	-	-	-	-	-	-	-	-	
7.2) BST-21 SUPPORT SYSTEM ^(†)	A		-	-	-	-	-	567,000.00	1	0.567	-	-	-	-	-	-	-	-	-	
7.3) BST-21 INFORMATION ASSURANCE SOFTWARE MODIFICATION ^(†)	A		-	-	-	300,000.00	1	0.300	325,000.00	1	0.325	323,000.00	1	0.323	-	-	-	323,000.00	1	0.323
7.4) BST-21 SCENIC AND PROPS ^(†)	A		-	-	-	172,000.00	1	0.172	2,611K	1	2.611	-	-	-	-	-	-	-	-	
7.5) BST-21 TRAINING MANAGEMENT SYSTEM ^(†)	A		-	-	-	424,000.00	1	0.424	130,000.00	1	0.130	3,703K	1	3.703	-	-	-	3,703K	1	3.703
7.6) BST-21 SPECIAL EFFECTS ^(†)	A		-	-	-	1,059K	1	1.059	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 7) BATTLE STATIONS-21 (BST-21)			-	-	0.000	-	-	3.400	-	-	3.633	-	-	4.026	-	-	-	-	4.026	
Total			-	-	87.714	-	-	3.400	-	-	3.633	-	-	4.026	-	-	-	-	4.026	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(†) BST-21 is a facility that represents a 210-foot-long Arleigh Burke class destroyer and is the culminating training event for Recruit Training Command recruits to participate in a 12-hour simulation of 4 General Quarters scenarios and 13 shipboard scenarios that include engineering, lookout, and mass casualty drills. FY19 OPN funding would aid in the replacement of worn, outdated or obsolete equipment and technology, termed as life-cycle replacement. During a February 2015 Life-Cycle Sustainment assessment of BST-21, NAWCTSD identified two OPN issues: Information Assurance/Cybersecurity and Tech Refresh/Upgrades. - Specifically, FY19 OPN funding would provide upgrades to the audiovisual systems, operating equipment, WIFI/LAN systems, and software modifications. - Commander, Naval Education and Training Command stated BST-21 is mandatory graduation requirement, and BST-21 is a Fleet requirement for Block 0 of the Ready, Relevant Learning initiative.

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) TRAINING SUPPORT EQUIPMENT												
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Nov 2012	Jan 2013	1	2,809K	N	Jan 2013	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Sep 2014	Nov 2014	1	2,497K	N	Jan 2015	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Mar 2015	1	2,380K	N	May 2015	
1.1) AA800 - LIFE CYCLE MANAGEMENT (NCTE)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	1,081K	N	Jan 2016	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2012	Feb 2013	1	1,696K	N	Feb 2013	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jun 2014	Aug 2014	1	1,802K	N	Oct 2014	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Feb 2015	1	1,564K	N	Mar 2015	
1.2) AA800 - BALLISTIC MISSILE DEFENSE (BMD)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	568,000.00	N	Jan 2016	
1.3) AA800 - BMD FST AT SEA		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jan 2014	Mar 2014	1	50,000.00	N	Mar 2014	
1.3) AA800 - BMD FST AT SEA		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Dec 2014	1	100,000.00	N	Jan 2015	
1.3) AA800 - BMD FST AT SEA		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2015	Dec 2015	1	198,000.00	N	Jan 2016	
1.4) AA800 - ANTI-ACCESS AREA DENIAL (A2AD)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	574,000.00	N	Apr 2016	
1.5) AA800 - COMMON DATA LINK (CDL)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	450,000.00	N	Apr 2016	
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Sep 2015	Sep 2015	1	825,000.00	N	Sep 2015	
1.6) AA800 - DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	1,115K	N	Apr 2016	
1.7) AA800 - NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)		2016	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Mar 2016	Mar 2016	1	500,000.00	N	Apr 2016	
1.8) AA800 - NCTE DISA COMPLIANCE		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Apr 2013	Jun 2013	1	7,615K	N	Jun 2013	
1.8) AA800 - NCTE DISA COMPLIANCE		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2013	Oct 2014	1	7,924K	N	Jan 2014	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.8) AA800 - NCTE DISA COMPLIANCE		2015	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Dec 2014	Sep 2015	1	7,942K	N	Jan 2015	
1.9) AA800 - AEGIS ASHORE FLEET TRAINING		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Apr 2013	Jun 2013	1	322,000.00	N	Jul 2013	
1.9) AA800 - AEGIS ASHORE FLEET TRAINING		2014	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Jan 2014	Mar 2014	1	1,800K	N	Apr 2014	
1.10) AA800 - FDNF EUROPE FLEET TRAINING		2013	Alion Science and Technology / McLean, VA	C / CPFF	DTIC	Nov 2012	Jan 2013	1	4,800K	N	Feb 2013	
2) VBSS TRAINING CRAFT												
2.1) H0004 - VBSS TRAINING CRAFT		2014	USMI / Gulfport, MS	C / FFP	NAVSEA	Aug 2014	Sep 2015	2	1,175K	N	Aug 2014	
3) TRAINING SUPPORT EQUIP												
3.1) YP001 - BOATS		2013	NAVSEA / Washington, DC	C / FFP	NAVSEA Washington DC	Feb 2013	Dec 2013	2	312,000.00	Y		Feb 2013
3.1) YP001 - BOATS		2014	NAVSEA / Washington, DC	C / FFP	NAVSEA	Nov 2014	May 2015	1	422,000.00	Y		Nov 2014
3.2) YP300 - GUARD TOWERS		2013	NSWC / NSWSC	C / FP	NSWC	Jul 2013	Sep 2013	1	356,000.00	Y		Jun 2013
3.3) YPYAV - AUDIO/VISUAL EQUIPMENT FOR JPME		2015 ⁽²⁾	Unknown / Unknown	C / FFP	NAVSTA Newport	Mar 2015	Mar 2015	1	376,000.00	N	Dec 2014	
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS ^(†)		2015	TBD / New MFG - Loc	C / FFP	NAVSTA Newport	Sep 2015	Sep 2015	1	124,000.00	N	Oct 2015	
4) YPYIP - NPS- INTERNET PROTOCOL VERSION 6 (IPv6) INITIATIVE												
4.1) PAN-PA-705-TP (THREAT PREVENTION SUBSCRIPTION)		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	51,000.00	N	Dec 2015	
4.2) PAN-SVC-PREM-7050-PA (PREMIUM SUPPORT)		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	48,000.00	N	Dec 2015	
4.3) IPV6 APPLIANCE ACQUISITION		2015	TBD / UNKNOWN	C / TBD	** NO PCO **	Mar 2016	Mar 2016	1	177,000.00	N	Apr 2016	
4.4) VOIP DEPLOYMENT		2015	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	173,000.00	N	Oct 2015	
4.5) PYTHON STUDENT INFO SYSTEM MAINTENANCE		2015 ⁽³⁾	Unknown / Unknown	C / FFP	DTIC	Oct 2015	Oct 2015	12	18,000.00	N	Dec 2015	
4.6) PYTHON STUDENT INFO SYSTEM REWRITE		2015 ⁽⁴⁾	Unknown / Unknown	C / FFP	DTIC	Oct 2015	Oct 2015	12	108,000.00	N	Dec 2015	
4.7) PAN-PA-7050-AC PALO ALTO NETWORKS PA		2015 ⁽⁵⁾	Unknown / Unknown	C / FFP	DTIC	Oct 2015	Oct 2015	1	106,000.00	N		
4.8) PAN-PA-7000-20G-NPC (NETWORK PROCESSING CARD)		2015 ⁽⁶⁾	Unknown / Unknown	C / FFP	DTIC	Oct 2015	Oct 2015	2	128,000.00	N	Dec 2015	
4.9) PAN-EDU-ONSITE PALO ALTO NETWORKS		2015 ⁽⁷⁾	Unknown / Unknown	C / FFP	DTIC	Oct 2015	Oct 2015	1	177,000.00	N	Dec 2015	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.10) CENIC UPGRADE NETWORKS Optronics		2015 ⁽⁸⁾	Unknown / Unknown	C / FP	NETPDTC	Oct 2015	Oct 2015	1	500,000.00	N	Dec 2015	
4.11) NETWORK REFRESH		2015 ⁽⁹⁾	Unknown / Unknown	C / FP	NETPDC	Oct 2015	Oct 2015	1	3,100K	N	Dec 1015	
5) YPYTD - TRAINING DELIVERY SERVICES (TDS)												
5.1) TRANET NETWORK (CISCO NETWORK SWITCHES/ ROUTERS)		2016	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	Jul 2016	Jul 2016	149	4,000.00	N	Jul 2016	
5.2) ECR VDI/VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES)		2015	World Wide Technology Inc / Maryland Heights, MO	C / FP	** NO PCO **	Jul 2015	Jul 2015	160	5,000.00	Y		
5.2) ECR VDI/VIRTUAL SERVER SVCS IMPLEMENTATION (CISCO NETWORK SWITCHES)		2016	World Wide Technology Inc / Maryland Heights, MO	C / FP	** NO PCO **	Jul 2016	Jul 2016	60	5,000.00	N	Jul 2016	
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES)		2015 ⁽¹⁰⁾	Dell Federal Systems / Round Rock, TX	C / FP	NETPDTC	Jul 2015	Jul 2015	1,625	400.00	Y		
5.3) ECR VDI IMPLEMENTATION (ZERO CLIENT DEVICES)		2016 ⁽¹¹⁾	Dell Federal Systems / Round Rock, TX	C / FP	NETPDTC	Jul 2016	Jul 2016	1,480	400.00	Y		
5.4) ECR VDI/VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE)		2015	Dell Federal Systems / Round Rock, TX	C / FP	** NO PCO **	Jul 2015	Jul 2015	30	10,000.00	Y		
5.4) ECR VDI/VIRTUAL SERVER SERVICES IMPLEMENTATION (SERVER HARDWARE)		2016	Dell Federal Systems / Round Rock, TX	C / FP	** NO PCO **	Jul 2016	Jul 2016	80	10,325.00	N	Jul 2016	
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)		2015 ⁽¹²⁾	TBD / TBD	C / FP	NETPDTC	Jul 2015	Jan 2016	80	20,000.00	Y		Dec 2014
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^(†)		2016 ⁽¹³⁾	TBD / TBD	C / FP	NETPDC	Jul 2016	Jul 2016	80	8,000.00	N	Jul 2016	
5.6) ECR VDI IMPLEMENTATION (SERVER SOFTWARE)		2015	Insight Public Sector ⁽¹⁴⁾ / Tempe, AZ	C / FP	NETPDTC	Jul 2015	Jul 2015	100	1,000.00	Y		
5.7) VDI - STORAGE ENVIRONMENT		2014	EMC / Hopkinton, MA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	680,000.00	Y		Oct 2013
5.8) VDI - SERVER INFRASTRUCTURE		2014	Dell Federal Systems / Round Rock, TX	C / FP	NETPDTC	Oct 2013	Feb 2014	1	752,000.00	Y		Oct 2013
5.9) VDI - NETWORKING ENVIRONMENT		2014	CISCO / San Jose, CA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	109,000.00	Y		Oct 2013
5.10) VDI - MICROSOFT ENVIRONMENT		2014	Microsoft / Redmond, WA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1,089K	Y		Oct 2013
5.11) VDI - VIRTUAL ENVIRONMENT		2014	VMWARE / Palo Alto, CA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1,602K	Y		Oct 2013

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1				P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment			
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.12) VDI - POWER SUPPLY		2014	APC / Kingston, RI	C / FP	NETPDTC	Nov 2013	Feb 2014	1	38,000.00	Y		Oct 2013
5.13) VDI - ZERO CLIENTS		2014	Dell Wyse / San Jose, CA	C / FP	NETPDTC	Nov 2013	Feb 2014	1	1,412K	Y		Oct 2013
6) YP010 - CONTINUITY OF OPERATIONS (COOP)												
6.1) COOP - ROUTER/SWITCH-1		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	Jul 2013	Aug 2015	245	9,371.43	Y		Jul 2013
6.2) COOP - ROUTER SWITCH-2		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	Aug 2013	Sep 2015	30	9,366.67	Y		Aug 2013
6.3) COOP - ROUTER/SWITCH-3		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDC	Oct 2012	Oct 2012	45	9,377.78	N	Sep 2012	
6.4) COOP - SAN NETWORK -1		2013	World Wide Technology Inc / Maryland Heights, MO	C / FP	NETPDTC	May 2013	Jun 2013	96	9,375.00	Y		May 2013
6.5) COOP - SAN NETWORK-2		2013	Intelligent Decisions / Ashburn, VA	C / FP	NETPDTC	Sep 2013	Oct 2015	30	9,366.67	Y		Sep 2013
6.6) COOP - TACLane		2013	General Dynamics, AIS / Needham, Ma	C / FP	NETPDTC	Oct 2013	Nov 2015	19	14,526.32	Y		Oct 2013
6.7) COOP - STORAGE		2013	EMC / Hopkinton, MA	C / FP	NETPDTC	Nov 2013	Dec 2015	25	20,320.00	Y		Nov 2013
6.8) COOP - SOFTWARE		2013	Softchoice Corporation / Chicago, IL	C / FP	NETPDTC	May 2013	May 2013	3	19,000.00	Y		May 2013
6.9) COOP - NETWORKING INFRASTRUCTURE EQUIPMENT		2013	Intelligent Decisions / Ashburn, VA	C / FP	NETPDTC	Jun 2013	Jul 2014	66	1,015.15	Y		Jun 2013
7) BATTLE STATIONS-21 (BST-21)												
7.1) BST-21 AUDIOVISUAL LIGHTING SYSTEMS		2019 ⁽¹⁵⁾	Unknown ⁽¹⁶⁾ / NAWCTSD	C / FP	Orlando, FL	Mar 2019	Apr 2019	1	1,445K	N	Jun 2019	Nov 2018
7.2) BST-21 SUPPORT SYSTEM		2020	Unknow / TBD	C / FP	Orlando, FL	Mar 2020	Apr 2020	1	567,000.00	N	Jun 2020	
7.3) BST-21 INFORMATION ASSURANCE SOFTWARE MODIFICATION		2019 ⁽¹⁷⁾	TBD/TBD / New MFG - Loc	C / FP	Orlando, FL	Mar 2019	Apr 2019	1	300,000.00	N	Jun 2019	Nov 2018
7.3) BST-21 INFORMATION ASSURANCE SOFTWARE MODIFICATION		2020	TBD/TBD / New MFG - Loc	C / FP	Orlando, FL	Mar 2020	Apr 2020	1	325,000.00	N	Jun 2020	Dec 2019
7.3) BST-21 INFORMATION ASSURANCE SOFTWARE MODIFICATION		2021	TBD/TBD / New MFG - Loc	C / FFP	Orlando, FL	Oct 2020	Nov 2020	1	323,000.00	N	Jun 2021	Jul 2020
7.4) BST-21 SCENIC AND PROPS		2019 ⁽¹⁸⁾	Unknown / Unknown	C / FP	Orlando, FL	Mar 2019	Apr 2019	1	172,000.00	N	Jun 2019	
7.4) BST-21 SCENIC AND PROPS		2020	Unknown / Unknown	C / FP	Orlando, FL	Mar 2020	Apr 2020	1	2,611K	N	Jun 2020	
7.5) BST-21 TRAINING MANAGEMENT SYSTEM		2019 ⁽¹⁹⁾	TBD / TBD	C / FP	Orlando, FL	Mar 2019	Apr 2019	1	424,000.00	N	Jun 2019	Nov 2018
7.5) BST-21 TRAINING MANAGEMENT SYSTEM		2020	TBD / TBD	C / FP	Orlando, FL	Mar 2020	Apr 2020	1	130,000.00	N	Jun 2020	Dec 2019

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
7.5) BST-21 TRAINING MANAGEMENT SYSTEM		2021	TBD / TBD	C / FPAF	Orlando, FL	Oct 2020	Nov 2020	1	3,703K	N	Jun 2021	Jul 2020
7.6) BST-21 SPECIAL EFFECTS		2019 ⁽²⁰⁾	Unknown / Unknown	C / FP	Orlando, FL	Mar 2019	Apr 2019	1	1,059K	N	Jun 2019	

(t) indicates the presence of a P-21

Footnotes:

- (2) Contractor Name: HV Collins Co, Inc, Providence, RI
- (3) Alion Science and Technology/ McLean,VA
- (4) Alion Scence and Technology/McLean, VA
- (5) Alion Science and Technology/McLean, VA
- (6) Alion Science and Technology/McLean VA
- (7) Alion Science and Technology/McLean, VA
- (8) World Wide Technology Inc/Maryland Heights, MD
- (9) World Wide Technology Inc/Maryland Heights, MD
- (10) Dell- Round Rock, TX
- (11) Dell- Round Rock, TX
- (12) World Wide Technology In/Maryland Heights, VA
- (13) World Wide Technology In/Maryland Heights, VA
- (14) (expected)
- (15) Contractor - NAWCTSD; 100 hardware items in varying quantities from 1 to 176 to a generic title of "lot";
- (16) Battle Stations-21 (BST-21) TTE Life Cycle Sustainment
- (17) Contractor - NAWCTSD; 100 hardware items in varying quantities from 1 to 178 to a generic title of "lot";
- (18) Contractor - NAWCTSD; 100 hardware items in varying quantities from 1 To 176 to a gereric title of "lot";
- (19) Contractor - NAWCTSD ; 100 hardware items in varying quantities from 1 TO 176 to a gereric title of "lot";
- (20) Contracator -NAWCTSD; 100 hardware items in varying quantities from 1 to 176 to a gereric title of "lot";

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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020																																																																																												
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1																				P-1 Line Item Number / Title: 8081 / Training Support Equipment																																																																																												
Items (Units in Each)																				Fiscal Year 2013																																																																																												
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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020										
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:										Aggregated Items:										
1810N / 07 / 1										8081 / Training Support Equipment										Training Support Equipment										
Items (Units in Each)										Fiscal Year 2015										Fiscal Year 2016										
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E
3) TRAINING SUPPORT EQUIP																				Calendar Year 2015										
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS																				Calendar Year 2016										
1	2015	NAVY	1	0	1															A1										0
5) YPYTD - TRAINING DELIVERY SERVICES (TDS)																				5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)										
2	2015	NAVY	80	0	80															A -	-	-	-	-	-	-	80		0	
2	2016	NAVY	80	0	80																							A80	0	
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							

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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020										
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:										Aggregated Items:										
1810N / 07 / 1										8081 / Training Support Equipment										Training Support Equipment										
Items (Units in Each)										Fiscal Year 2017										Fiscal Year 2018										
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E
3) TRAINING SUPPORT EQUIP																														
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS																														0
5) YPYTD - TRAINING DELIVERY SERVICES (TDS)																														0
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)																														0
2 2015 NAVY 80 80 0																														0
2 2016 NAVY 80 80 0																														0

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Exhibit P-21, Production Schedule: PB 2021 Navy																					Date: February 2020																				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1										P-1 Line Item Number / Title: 8081 / Training Support Equipment											Aggregated Items: Training Support Equipment																				
Items (Units in Each)							Fiscal Year 2019												Fiscal Year 2020																						
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E											
3) TRAINING SUPPORT EQUIP							Fiscal Year 2019												Fiscal Year 2020												0										
3.4) YPYOE- OTH EQUIP: SPPT EQUIP & COMPUTER STATIONS							1	2015	NAVY	1	1	0																													
5) YPYTD - TRAINING DELIVERY SERVICES (TDS)							Fiscal Year 2019												Fiscal Year 2020												0										
5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)							2	2015	NAVY	80	80	0																													
2							2	2016	NAVY	80	80	0																													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											

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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020																			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1										P-1 Line Item Number / Title: 8081 / Training Support Equipment										Aggregated Items: Training Support Equipment																			
Items (Units in Each)							Fiscal Year 2021												Fiscal Year 2022											BALANCE									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
3) TRAINING SUPPORT EQUIP																																							
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5.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)																																			0				
2 2015 NAVY 80 80 0																																			0				
2 2016 NAVY 80 80 0																																			0				

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Exhibit P-21, Production Schedule: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8081 / Training Support Equipment					Aggregated Items: Training Support Equipment				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - New MFG - Loc			TBD	0	0	0	0	0	0	0	0
2	TBD - TBD			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices					P-1 Line Item Number / Title: 8101 / Training and Education Equipment							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	32.371	20.511	87.471	73.454	11.500	84.954	55.282	28.908	33.193	33.841	-	376.531
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	32.371	20.511	87.471	73.454	11.500	84.954	55.282	28.908	33.193	33.841	-	376.531
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	32.371	20.511	87.471	73.454	11.500	84.954	55.282	28.908	33.193	33.841	-	376.531
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
[P40A / [USFFC] TRAINING SUPPORT EQUIPMENT]: Funding provides the Live, Virtual, and Constructive (LVC) training capability necessary to meet critical mission essential requirements for training combat-ready for world-wide operations. The LVC capability includes the training support equipment/systems used in support of and connected to the Navy Continuous Training Capability (NCTE) and all of the equipment/systems required, including all training systems, network equipment, IT equipment, communications equipment, C4I systems, and training devices used for LVC training capability.												
This budget line item also provides the resources to procure and maintain a fifth (5th) Training Support Vessel (TSV).												
East Coast geography and range encroachment mandate the Atlantic Fleet use TSVs to provide open ocean Opposing Force (OPFOR) (i.e., live fire, target services, electromagnetic emissions, and jamming services) and range services. The Fleet Training Continuum (FTC) instruction directs the Navy to adopt an integrated LVC capability to train Navy forces to high-end threats. Navy requires a fifth (5th) TSV to support the Jacksonville Shallow Water Training Range (JSWTR) and sustain the requirement for the four (4) existing TSVs that support Large Scale Integrated Training Events. NAVSEA PMS325 completed a study and solicited Requests for Information (RFI) then determined the best course of action is to obtain an existing American Bureau of Shipping (ABS) certified Offshore Supply Vessel (OSV) for conversion to a TSV configuration. Navy requires all ships to have ABS certification.												
[P40A / [USFFC] LIFE CYCLE MANAGEMENT (NCTE)]: Funding supports Navy Continuous Training Environment (NCTE) which is a distributed training architecture and network (Navy Enterprise Tactical Training Network (NETTN)) that interconnects 115 Navy, Joint, and Coalition training sites and provides the U. S. Navy's LVC capability. Funding will support phased replacement of hardware and software within the NCTE Enterprise to provide sustained adherence to cyber security/information assurance (IA) certification and accreditation requirements and procurement and installation of replacement equipment as required to maintain equipment currency and maintainability.												
[P40A / [USFFC] BALLISTIC MISSILE DEFENSE (BMD)]: Funding supports the procurement of network hardware and software necessary to deliver and maintain the Live, Virtual, and Constructive (LVC) training environment architecture, meet mandated cyber-security improvements, and ensure continued Ballistic Missile Defense (BMD) training/certification of BMD designated ships to meet Navy, theater, and Combatant Commander requirements to detect and defeat theater and strategic missile threats to the United States and coalition partner nations.												
[P40A / [USFFC] BMD FLEET SYNTHETIC TRAINING (FST) AT SEA]: Funds provided for the capability to conduct integrated Live, Virtual, and Constructive (LVC) single or multi-ship exercises with ships at sea using the Navy Continuous Training Environment (NCTE). This capability will support Ballistic Missile Defense (BMD) and Integrated Air and Missile Defense (IAMD) mission area Fleet sustainment training and mission rehearsal in theater, allow ships to participate in COCOM/Navy Component Commander mandated BMD/IAMD exercises while pier side or underway, as well as enhance BMD/IAMD training objective												

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
accomplishment in current Fleet Readiness Training Plan (FRTP) underway training events such as Composite Training Unit Exercise (COMPTUEX) and Joint Training Fleet Exercise (JTFEX). The NCTE and Fleet Synthetic Training (FST) directly support Fleet training readiness and strike group and BMD platform deployment certifications.		
[P40A / [USFFC] ANTI-ACCESS AREA DENIAL (A2AD)]: Funds provided for the Navy Continuous Training Environment (NCTE) architecture systems required to incorporate specific technologies and Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) stimulation capabilities to train Fleet units in anti-access area denial tactics, techniques and procedures.		
[P40A / [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA)]: Funds provided for Naval Integrated Fire Control - Counter Air (NIFC-CA) training which includes a Cooperative Engagement Capability (CEC) training solution and shore side constructive units. The capabilities will supplement and integrate existing platform-level program of record solutions and is complementary efforts to deliver from the sea training capabilities.		
[P40A / [USFFC] FLEET TRAINING WHOLENESS (FTW)]: Funding for the Fleet Training Wholeness (FTW) initiative supports the continuing efforts to create a Live, Virtual, and Constructive (LVC) training environment in support of combat readiness. FTW in support of LVC builds upon current Ballistic Missile Defense (BMD) Fleet Synthetic Training (FST) at Sea (BFAS) capabilities, driving toward full FST at Sea capability. Funding provides for procurement of equipment to support FST at Sea capability for non-BMD Aegis and Ship Self-Defense System (SSDS) platforms and procurement of Total Ship Training Capability (TSTC) shipboard synthetic radios required for realistic Command and Control (C2) representation in an LVC environment. Increase from FY 2020 to FY 2021 represents in BFAS installations and commencement of TSTC procurement. Reduction of funding (Congressional Mark) in FY 2020.		
[P40A / [USFFC] EAST COAST NETWORK CONSOLIDATION]: Funds provided for Phase II of network consolidation Fleet Training Wholeness (FTW) priorities for Electronic Warfare, Cyber, Space, Air, Undersea and Surface Warfare domains by integrating Fleet tactical training ranges and systems with the Navy Continuous Training Environment (NCTE). It will provide a high Return-On-Investment (ROI) by integrating critical, fielded training range systems and developing common control displays and network upgrades to support Live, Virtual, and Constructive (LVC) training. LVC ranges will be connected and integrated initially on the East Coast.		
[P40A / [USFFC] WEST COAST NETWORK CONSOLIDATION]: Funds provided for Fleet Training Wholeness (FTW) priorities for Electronic Warfare, Cyber, Space, Air, Undersea and Surface Warfare domains by integrating Fleet tactical training ranges and systems with the Navy Continuous Training Environment (NCTE). It supports system integration at the Southern California Offshore Range (SCORE), Southwest Tactical Training Range (SWTRR), Northwest Tactical Training Range (NWTRR), and Pacific Northwest Range (PACNORWEST) ranges. Funds provide for equipment and renovation/alteration of physical infrastructure to support an integrated Live, Virtual, and Constructive (LVC) training environment and execution of integrated LVC training events throughout the Commander, Pacific Fleet (CPF) Area of Responsibility (AOR). Funding supports consolidation of the West Coast range networks into the Navy Enterprise Tactical Training Network (NETTN), establishment of an operational LVC Exercise Control (EXCON) facility for the CPF AOR, upgrades to voice communications at designated West Coast training ranges, and replaces threat Electronic Warfare (EW) interfaces to support integration of live range EW systems into the NCTE.		
[P40A / [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY (N98)]: Funds support continuing efforts to create a Live, Virtual, and Constructive (LVC) training environment in support of combat readiness. Planned LVC capabilities require aviation training in an LVC environment which includes training in a classified environment higher than Secret. Security upgrades to buildings containing aviation simulators and the Tactical Combat Training System (TCTS) are required to operate and train in the higher than Secret environment required to maintain combat readiness. These security upgrades are necessary to operate and train to the high-end fight in a contested environment.		
[P40A / [USFFC] TRAINING SUPPORT VESSEL (TSV) PROCUREMENT & SUSTAINMENT (N94)]: Funds provided for procurement and sustainment of Training Support Vessels (TSVs). TSV will operate day or night, in all-weather, and will operate in support of the Navy's Fleet Training Wholeness (FTW) initiatives and Fleet exercise objectives. TSVs are heavily utilized supporting all major training exercises. TSVs provide training assistance in the following: Assessment and Certification of Carrier Strike Groups (CSGs), Amphibious Readiness Groups/Marine Expeditionary Units, Surface Action Groups and Independent Deployers, Afloat Training Group Basic Phase live fire, Command and Control (C2), Harpoon & High-speed Anti-Radiation Missile (HARM) missile exercise support, Hellfire & Advanced Precision Kill Weapon System (APKWS) missile exercise support, exercise mine laying and retrieval, Opposition Force roles, Maritime Interdiction/Visit, Board, Search, and Seizure, Oil Platform Defense, Anti-piracy, Aerial/Seaborne Target Live Fire Platforms, High Speed Maneuverable Surface Target (HSMST) Launch and Retrieval Platforms, electronic Maneuver Warfare (EMW) training, Unmanned Aviation System (UAS) Launch and Retrieval Platforms, Global Positioning System (GPS) Testing Operations, Range Services in support of the Optimized Fleet Response Plan (OFRP), and other exercise/support roles as directed.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / [USFFC] TRAINING SUPPORT VESSEL (TSV) COMMS NETWORK SUITE (N94):] Funds support procurement of a Communications Network Suite on Training Support Vessels (TSVs). This system provides the Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) for TSVs to provide an at-sea Navy Continuous Training Environment (NCTE) node capability, and the ability to fully participate in global distributed modeling and simulation events in an opposing force (OPFOR) role and support multiple events simultaneously. Installation of enhanced NCTE LVC communications systems will provide TSVs with the ability to seamlessly integrate with other services during Composite Training Unit Exercise (COMPTUEX) 2021, Fleet Synthetic Training (FST) and Group Sail training events.		
[P40A / [USFFC] NCTE SPECIAL ACCESS TRAINING NETWORK]: Funds support equipment procurement and installation for integration of special access training systems into the Navy Continuous Training Environment (NCTE). Fleet training requires this special access training network capability to utilize Top Secret (TS) and Sensitive Compartmented Information (SCI) information/data to support the Live, Virtual, and Constructive (LVC) training environment required for readiness operations in a contested environment. Network directly supports realistic, secure LVC training at classification levels above GENSER Secret throughout the Fleet Training Continuum, including Composite Task Unit Exercises (COMPTUEX) and Fleet Synthetic Training (FST)-Joint through integration of capabilities and effects generation by special access systems. This is a new Cost Element beginning in FY21.		
[P40A / [USFFC OCO] TRAINING SUPPORT VESSEL (TSV) HM&E C5I SUPPORT (N94):] Funds are required to procure, install and maintain five (5) Hull, Mechanical and Electrical (HM&E) and Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) Support System for each Training Support Vessel (TSV). These systems provide access to current military and/or commercial satellites as required to deliver adequate bandwidth speeds in support of TSVs data and information exchange requirements as defined by the Navy's Chief Information Officer (DON CIO).		
[P40A / [USFFC OCO] TACTICAL TRAINING RANGE LVC SYSTEMS (N96):] Funding supports Live, Virtual, and Constructive (LVC) support systems on five (5) Tactical Training Ranges (TTRs). The TTR complexes are essential to generating combat readiness and satisfying Fleet training requirements. Fleet TTRs require planned, periodic replacement/modernization of hardware ("technical refresh") to keep pace with technology upgrades and provide for realistic replication of threat capabilities. This establishes a comprehensive, life cycle management support function across the TTR enterprise to achieve compliance with cybersecurity requirements, cost effectiveness, commonality, and service life objectives. This effort supports the SECNAV Report to Congress for LVC Training.		
[P40A / [USFFC OCO] HIGH SPEED MANEUVERING SURFACE TARGETS (HSMST) (N94):] Funds will procure a ready pool of Seaborne High Speed Maneuvering Surface Targets (HSMSTs) which are required to replace targets damaged during Live Fire Events (LFEs). HSMSTs are a necessity for Fleet Training Wholeness (FTW) and Combatant Commanders (COCOM) objectives. HSMSTs are used to simulate Fast Inshore Attack Craft (FIAC) in C5F, C6F and C7F areas of operations. HSMST Hit-to-Kill (H2K) operations have increased and are essential during the exercises Command and Control Exercise (C2X), Sustainment Exercise (SUSTEX) and Group Sail as well as simulated pirate vessels, smuggler vessels, target tugs, target vessels, and utility boats. HSMSTs will be utilized in H2K environment what an estimated 50% loss rate due to sinking or no recovery possible, and in Electromagnetic Maneuver Warfare (EMW) training/GPS Testing Operation scenarios.		
[P40A / [USFFC / CSG4] TRANING SUPPORT VESSEL (TSV) CRANE UPGRADES]: Funding supports three (3) Allied System TK70-70 cranes that provide enhanced operational capabilities onboard Training Support Vessels (TSVs). The Allied Crane has a dynamic load rating of 10,000lbs at full extension (70ft) in an 8.2ft sea height and a 22,000lbs load through most of its range once the load is suspended. A waterlogged, live-fire damaged HSMTs often exceeds 10,000lbs surpassing current crane configuration. These cranes enable TSVs to deploy and recover targets from both sides of the ship and allow the ship to recover partially submerged and live fire-damaged targets. The cranes possess operational capabilities that current extending non-articulated cranes onboard TSVs provide.		
[P40A / [USFFC / CSG4] NAVAL SURFACE FIRE SUPPORT (NSFS) IN-HOUSE TRAINER]: Funds support Naval Surface Fire Support (NSFS) In-House Trainer upgrades. NSFS upgrades will emulate the myriad of Fleet Gun Weapons System (GWS) configurations currently installed onboard cruisers and destroyers (CGs and DDGs) to include all MK 34 Mods, Naval Fires Control System (NFCS) capability and update to Windows 10. The trainer upgrade can accommodate 35 Atlantic Fleet CRUDES ships (7 CGs and 28 DDGs) for training and certification. The upgrades will enable Navy to effectively conduct NSFS for fires training (Joint Force Land Component Commander (JFLCC) calls-for-fire, Joint Force Air Component Commander (JFACC) airspace de-confliction, etc.).		
[P40A / FIRE ARMS TRAINING SIMULATOR (FATS)]: Funds provide for procurement of shore-based fire arms training simulators at Center for Submarine Learning (CSL) to reduce time and energy expended for small arms proficiency by personnel assigned to small ships and submarines that lack this capability afloat. These un-tethered weapons systems and scenarios place the students into the action and afford them the ability to freely maneuver and handle the weapons.		

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Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / YPYTD - TRAINING DELIVERY SERVICES (TDS)]: Virtual Desktop Infrastructure Initiative. The training enterprise is moving forward with implementing more efficient technologies to meet the training delivery mission via a virtual desktop infrastructure solution. The virtual desktop solution will be implemented over the next several years at each location in lieu of conducting the traditional one-for-one workstation refresh. The goals and benefits of VDI are to establish an agile, sustainable enterprise training delivery environment; standardize the processes, services and technology used to deliver training; improve the enterprise security posture; refresh outdated electronic classroom workstations and operating systems; and provide a solution that enables a streamlined, centralized IT workforce.		
[P40A / ECR Instructor Podium Tech Refresh]: The Naval Education and Training Command (NETC) Electronic Classroom (ECR) Program provides support for classroom and distributive learning environments in 2,500 classrooms at 68 learning sites around the world. The ECR Program requires OPN funds over the FYDP to replace end-of-life networking equipment, and to purchase VDI Electronic Classroom workstations, VDI ECR Pool of Desktops (POD) equipment and software in support of training delivery operation across the enterprise. Increase due to new start in FY 2021.		
[P40A / ECR Student Workstation Tech Refresh]: The NETC ECR Program provides support for classroom and distributive learning environments in 2,500 classrooms at 68 learning sites around the world. To meet DoD/DoN IT virtualization mandates, NETC is implementing a Virtual Desktop Infrastructure (VDI) solution that largely eliminates physical workstations in classrooms. Under VDI, students utilize "zero client desktop devices" which provide a user experience similar to physical workstations, without the use of CPU, local storage or Operating Systems. Zero clients take up less space, use less power and give off less heat. No data is stored on classroom zero clients, reducing the amount of local security and compliance work required. Additionally, zero clients are less complex for the NETC IT Support staff to configure, deploy and manage, enabling centralization/consolidation of labor functions. Students access virtualized curriculum software which is run on centralized servers known as Pools of Desktops (PODs). Software patches and security scans can be performed at the server level, as effort is no longer required to handle those same functions on thousands of student seats. In addition to saving electrical power, VDI allows learning site managers to optimize facility utilization by shifting classes to other rooms if necessary since students and instructors are not tied to specific local hardware.		
The ECR Program requires OPN funds over the FYDP to replace end-of-life networking equipment, and to purchase VDI Electronic Classroom workstations, VDI ECR POD equipment and software in support of training delivery operation across the enterprise.		
Pool of Desktops (POD) resources used to upgrade/buy equipment.		
[P40A / ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE)]: ECR VDI Implementation (Virtualization Software).		
[P40A / CANES System Integration Training]: Consolidated Afloat Networks and Enterprise Services (CANES): CANES is a new program beginning in FY 2021. Funding provides for procurement of Journeyman Communication Course (JCC) Modernization]: OPN funding required to complete the planned delivery of a Common Surface Radio Room Baseline Multi-purpose Reconfigurable Training System (MRTS 3D) and the aligned curriculum development. JCC MRTS 3D Radio Room replaces the existing, end-of-life training device, Virtual Radio Room (VRR) with throughput of ~468 students annually; development critically impacts multiple Learning Centers/Courses (Center for Information Warfare Training; IT A School, Information Professional Basic Officer (IPBC) School; and Center for Surface Combat Systems (CSCS); ET A School). Each workstation serves as a platform for end-to-end operations, configuration, and troubleshooting/repair procedures on current C4I RF Communications systems, processes, and capabilities. Each workstation simulates the following circuits: HF system/DMR; VHF system/DMR; UHF LOS system/DMR; UHF SATCOM system/DMR; EHF System/NMT; SHF system/NMT, GBS/NMT; and BFTN. An instructor operator station provides the ability to track, store, and report student performance. Additionally, it allows the instructor to prescribe specific training events (individual, team, or battlegroup modes) using scenarios and configurations relevant to the level of training required		
[P40A / Data Center Consolidation (DCC)]: Baseline Justification: Data Center Consolidation (DCC) funding: In FY20, funding will procure servers (encompassing both hardware and software components), ancillary equipment associated with the servers (racks, cables, switches, etc.), and integration and installation efforts as needed to meet additional hosting requirements as consolidated applications are hosted in approved hosting locations, and as a part of regular data center technical refresh. Regular technical refresh is required to maintain cyber security readiness and accreditation at the data centers.		
[P40A / Data Center Consolidation]: Data Center Consolidation (DCC) funding: Funds realigned from BSO39 for Data Center and Application Optimization, provide sustainment of data center hardware, software, and licenses for established Component Enterprise Data Centers (CEDCs) and other approved hosting locations as part of the Department of Defense's Information Technology efficiency for the Manpower, Training, and Education (MPT&E) Data Center footprint. The funding enables the MPT&E to implement the Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement. Funds application		

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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
hosting costs, continues with consolidation and application migration efforts, and ensure that systems are modernized to sustain security requirements of Navy information and data residing within applications and data centers.		
Baseline Justification (DCC) funding: Funding will procure servers (encompassing both hardware and software components), ancillary equipment associated with the servers (racks, cables, switches, etc.), and integration and installation efforts as needed to meet additional hosting requirements as consolidated applications are hosted in approved hosting locations, and as a part of regular data center technical refresh. Regular technical refresh is required to maintain cyber security readiness and accreditation at the data centers.		
[P40A / RRL Training Technology]: Ready Relevant Learning (RRL) Training Technology solution is conducive to modularization of training. RRL developed curriculum and technology can be used in modular fashion to support Sailor reach back / refresh needs. Virtualizes / Simulates actual equipment or software capability - significantly reducing lifecycle support costs, and duplicative development costs. Implementation is expected to improve delivery of existing training due to a blended training solution eliminating bottlenecks and increased repetition of tasks. RRL Training Technology includes OPN training and education equipment for the Center for Surface Combat Systems (CSCS) 1)Reconfigurable CIC Trainer (RCT) Virtualized High Fidelity Trainer, 2)ET A School MRTS 3D Communications Lab Upgrades, and 3)OS Accelerated Delivery CIC Trainer; Center for Naval Aviation Technical Training (CNATT) 1)A-School Air Conditioning /Reconfigurable Training System; Center for Security Forces (CSF) 1)Tactical Training Simulator (TTS) for MA A School / NTTC Lackland; Center for Information Warfare Training (CIWT) 1)Reconfigurable Training System for AN/SLQ-32(V)6 Maintenance Trainer; and Surface Warfare Officers School 1)Virtual Welding Trainers.		
[P40A / ET A School MRTS 3D Communications Lab Upgrades]: Increase in FY21 due to continued updates to upgrade existing DDG Radio Room Multi-purpose Reconfigurable Training System 3D (MRTS 3D). Each workstation serves as a platform for operations, maintenance, and troubleshooting/repair procedures and replicates the following radios: HF system/DMR; VHF system/DMR; UHF LOS system/DMR; UHF SATCOM system/DMR; EHF System/NMT; and SHF system/NMT. The trainer emulates realistic scenarios complete with various weather conditions, speeds, and courses in which ships operate. An instructor operator station provides the capability to track, store and report student performance. It lets the instructor prescribe the training event using scenarios and configurations relevant to the level of training required. The ability to reconfigure the layout provides a broader range of training and adds a higher level of specificity to the training environment.		
[P40A / Reconfigurable Training System for AN/SLQ-32(V)6 Maintenance Trainer]: New Start in FY 2021. OPN for a Reconfigurable Training System using gaming technology to enhance AN/SLQ-32(V)6 Maintenance Training which is used to train AN/SLQ-32(V)6 technicians on the V6 system Preventive and Corrective maintenance at IWTC Corry Station in Pensacola Florida. Investment would increase production to meet the identified Fleet demand signal for AN/SLQ-32(V)6 technicians, eliminate current Technical training Equipment reliability concerns, and reduce implementation costs in infrastructure and curriculum development due to synchronicity with current investment. This training system and the associated curriculum would provide cost avoidance against cost associated with current extended funding profile.		
[P40A / Enlisted Accesion Increases for STS Rating]: The Submarine Learning Center requires an additional Submarine Common Operational Analysis and Employment Trainer (COAET) with 2 sets (8 ea set)- Virtual Tactical Trainer VTAC w/Beam Simulation For Sonar Trainers (BSST) workstations for acoustic operator individual and team training requirements. This requirement is necessary to meet the Navy's FY20 Enlisted Accession Plan for the STS rating. The COAET is a classroom-oriented training device that simulates the controls and displays of the latest available tactical combat control and acoustic systems. COAET provides practical experience of the training applications that do not require a full tactical team trainer. COAET can be rebooted to provide three distinct training modes: Acoustic Analysis Trainer (AAT), Sonar Tactical Decision Aids (STDA) Lab and Team Training. The Phase I COAET utilizes desktop/monitor workstations. This trainer supports team training combining the STS rating with FT Rating Accessions training for practical application in the team training environment.		
[P40A / Enlisted Accesion Increases for STS Rating]: Funding supports Common Operation and Analysis Employment Trainer for Submarine Learning Center in association with an increase to a 44K Enlisted Accession Mission. New start in FY 2020. Increase of \$7.5M from FY 2020.		
[P40A - 2 / U.S. Naval Academy (USNA)]: The U.S. Naval Academy mission is to develop midshipmen morally, mentally and physically and to imbue them with the highest ideals of duty, honor and loyalty in order to graduate leaders who are dedicated to a career of naval service and have potential for future development in mind and character to assume the highest responsibilities of command, citizenship and government. The Academic and Professionally Accredited Enterprise Education Enclave (AEEE) system must ensure the best educated and most qualified junior officers enter the naval service. The Naval Academy must maintain the highest standards in academic disciplines and supporting infrastructure. Planned upgrades and replacements are vital in ensuring graduates are technologically prepared to serve in tomorrow's Fleet and Fleet Marine Force while supporting institutional accreditation and competitiveness with peer institutions. System supports the sole Navy undergraduate degree-granting higher education		

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Line Item MDAP/MAIS Code: N/A		
command. Hybrid network enclave serves as a dynamically variable resource for multifaceted teaching, education, and research activities in a blended physical/virtual campus environment similar to four-year civilian universities. Functionality includes collegiate-level admissions outreach, curriculum development, course delivery, pedagogical research, extra-curricular activities, and intercollegiate sports		
[P40A - 2 / O. Backup System Replacement]: Provides for IT hardware and software to replace obsolete tape library. The proposed replacement system will facilitate faster and more reliable backup of enterprise data using current technologies.		
[P40A - 2 / R. Pelletron Accelerator Replacement]: Replaces an existing Pelletron Accelerator and associated support equipment. The device permits study and experimentation in the area of nuclear physics.		
[P40A - 2 / S. Electric Dynamometer]: Provides capability for study of motoring engines. Permits improved engine control along with data acquisition and processing capability for the determination of friction horsepower and other metrics vital to student understanding of diesel and turbine propulsion engines.		
[P40A - 2 / Q. Field House Scoreboard]: Provides for lifecycle replacement of Wesley Brown Fieldhouse scoreboard used for indoor track and other sports. The system provides capability of multi-media scoring and video replay in support of NCAA and league requirements.		
[P40A - 2 / Sustain Hopper Hall Technology]: Hopper Hall is a new USNA Cyber facility scheduled to open in FY20 (OCT 2019). Hopper Hall represents a Navy/Government strategic investment to produce a superior foundation in the global domain of Cyber warfare and represents a strategic focus to strengthen warfighting readiness and capabilities in which Cyber warfare will become an increasing factor. Hopper Hall will become an asset where Government, Industrial and Military leaders will inform future generations of Naval Officers to create an optimum platform to prepare and defend against this growing and evolving threat. The center will be the first building on the Yard with a SCI capability.		

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Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices				8101 / Training and Education Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Training Support Equipment	P-5a, P-21			- / 27.551	- / 18.192	- / 83.718	- / 71.198	- / 11.500	- / 82.698
P-40a	Education Support Equipment	P-5a			- / 4.820	- / 2.319	- / 3.753	- / 2.256	- / -	- / 2.256
P-40	Total Gross/Weapon System Cost				- / 32.371	- / 20.511	- / 87.471	- / 73.454	- / 11.500	- / 84.954
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: FY 2021 TRAINING SUPPORT EQUIPMENT reduction of \$2.517 million due to shifting requirements.										
1.1 [USFFC] LIFE CYCLE MANAGEMENT (LCM) - FY 2021 reduction of \$0.798M. Funds support phased replacement of hardware and software within the Navy Continuous Training Environment (NCTE). The NCTE Enterprise provides sustained adherence to cyber security/Information Assurance (IA) certification and accreditation requirements.										
1.2 [USFFC] BALLISTIC MISSILE DEFENSE (BMD) - No change in funding from FY 2020 to FY 2021. Funding supports Ballistic Missile Defense (BMD) and Integrated Air Missile Defense (IAMD) mission area requirements by providing resources for Live, Virtual, and Constructive (LVC) training architecture technical refresh, compliance with cybersecurity requirements and sustain the ability to train and certify BMD mission capable ships. FY21 funding will procure network hardware and software to maintain network operability and cybersecurity from intrusion of hostile countries and entities.										
1.3 [USFFC] BALLISTIC MISSILE DEFENSE (BMD) FLEET SYNTHETIC TRAINING (FST) at Sea - No change in funding from FY 2020 to FY 2021. Funds support BMD and Integrated Air Missile Defense (IAMD) mission area Fleet sustainment training and mission rehearsal in theater, allow ships to participate in COCOM/Navy Component Commander mandated BMD/IAMD exercises while pier side or underway, as well as enhance BMD/IAMD training objective accomplishment in current Fleet Readiness Training plan (FRTP) underway training events such as Composite Training Unit Exercise (COMPTUEX) and Joint Training Unit Exercise (JTFEX).										
1.4 [USFFC] ANTI-ACCESS AREA DENIAL (A2AD) - FY 2021 increase of \$0.180M. Funding procures additional Anti-Access Area Denial (A2AD) capability gateway portable embarkation kits to provide a training capability against the high end A2AD, cyber, Information Warfare (IW), and Electronic Warfare (EW) threat during Carrier Strike Group (CSG) Navy training events/exercises. This effort completes in FY21.										
1.7 [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA): FY 2021 increase of \$0.003M due to inflation. Procures additional Cooperative Engagement Capability (CEC) Interim Training (CIT) System portable embarkation kits to support Carrier Strike Group (CSG) Fleet training requirements.										
1.9 [USFFC] FLEET TRAINING WHOLESNESS (FTW) - FY 2021 increase of \$4.500M due to ramp up of Total Ship Training Capability (TSTC) equipment procurement. These installations support achievement of Fleet Training Wholeness (FTW) objectives through continued integration of fleet units and capabilities into a Live, Virtual, and Constructive (LVC) training environment to meet critical combat readiness requirements in support of Navy missions. Instituting an at-sea Fleet Synthetic Training (FST) capability for non-Ballistic Missile Defense (BMD) Aegis and Ship Self-Defense System (SSDS) ships builds upon BMD FST at Sea capability and provides expanded capability for combatant ships to participate in COCOM/Navy Component Commander exercises while underway to maintain mission readiness. Funding provides for procurement of equipment to support FST at Sea capability for non-BMD Aegis and SSDS platforms and procurement of TSTC shipboard synthetic radios required for realistic Command and Control (C2) representation in an LVC environment.										

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A Line Item MDAP/MAIS Code: N/A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
1.10 [USFFC] EAST COAST TRAINING NETWORK CONSOLIDATION - FY 2021 decrease of \$5.933M due to the Full Operational Capability (FOC) shifting right four (4) years. Funding supports Phase II of network consolidation and long term FTW priorities for Electronic Warfare, Cyber, Space, Air, Undersea, and Surface Warfare domains by integrating Fleet tactical training ranges and systems with the Navy Continuous Training Environment (NCTE). LVC ranges will be connected and integrated initially on the East Coast.		
1.11 [USFFC] WEST COAST TRAINING NETWORK CONSOLIDATION - FY 2021 decrease of \$6.167M due to the Full Operational Capability (FOC) shifting right four (4) years. Funding supports system integration at the Southern California Offshore Range (SCORE), Southwest Tactical Training Range (SWTTR), Northwest Tactical Training Range (NWTTR), and Pacific Northwest Range (PACNORWEST) ranges. Additionally, funds support consolidating the West Coast range networks into the Navy Enterprise Tactical Training Network (NETTN), establishment of an operational LVC Exercise Control (EXCON) facility, upgrades to voice communications at designated West Coast training ranges, and integration of threat Electronic Warfare (EW) systems capable of simultaneously operating in live and synthetic environments through use of a common protocol and integrated into the NCTE.		
1.12 [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY - FY 2021 decrease of \$9.507M due to reduction in effort as it nears completion. Ten (10) sites were converted in FY20, leaving three (3) for FY21. Funding supports conversion of existing training and Total Ship Training Capability (TSTC) facilities to meet Sensitive Compartmented Information (SCIF) / Special Access Program Facility (SAPF) security requirements.		
1.13 [USFFC] TRAINING SUPPORT VESSEL (TSV) PROCUREMENT & SUSTAINMENT - FY 2021 decrease of \$6.036M due to outfitting a Training Support Vessel (TSV) hull (procured in FY20) with required tactical and training systems. Once outfitted, the fifth (5th) TSV will ensure availability, utility, and long-term viability of TSV support to Multi-Ship Group Sail (GRUSL) Exercises, Independent Deployer Certification Exercise (IDCERTEX), Composite Training Unit Exercise (COMPTUEX), Afloat Training Group (ATG) training, and Large Scale Integrated Training Events (LSE). The Optimized Fleet Response Plan (OFRP) demands exceed the capabilities of the current inventory of TSVs. This funding was realigned from BSO 24/BLI 4204 to BSO 60/BLI 8101 beginning in FY20.		
1.14 [USFFC] TRAINING SUPPORT VESSEL (TSV) COMMUNICATIONS NETWORK SUITE - FY 2021 increase of \$0.700M due to increase in system procurement to support completion of the first TSV installation and commencement of work on the second and third TSV's. Funding provides for procurement of an updated Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) suite for three (3) TSVs to provide the requisite capability to perform Exercise Control (EXCON), Electromagnetic Maneuver Warfare (EMW), Opposing Force (OPFOR), Command and Control (C2) duties during Fleet exercises, as well the ability to fully participate in global distributed modeling and simulation events in an OPFOR role and support multiple events simultaneously.		
1.15 [USFFC] SPECIAL ACCESS TRAINING NETWORK - This is a new Cost Element beginning in FY 2021. Funding (\$2.600M) for procurement of equipment and installation of three (3) Tier One Enclaves for east coast sites and three (3) Tier One Enclaves for west coast sites. This will provide the capability to support Live, Virtual, and Constructive (LVC) training at the Top Secret/Sensitive Compartmented Information (TS/SCI) classification level. This capability supports systems requiring special access and is required to meet Navy objectives for readiness for full spectrum operations in a contested environment.		
1.19 [USFFC] TRAINING SUPPORT VESSEL (TSV) CRANE UPGRADES - This is a new Cost Element beginning in FY 2021. Funding (\$2.550M) for procurement and installation of three (3) Allied System TK70-70 cranes that have more operational capabilities than the current extending non-articulated crane onboard Training Support Vessels (TSVs). The Allied Crane has a dynamic load rating of 10,000lbs at full extension (70ft) in an 8.2ft sea height and a 22,000lbs load through most of its range once the load is suspended. All current High Speed Maneuvering Surface Targets (HSMSTs) weigh less than 8000lbs when loaded. A waterlogged/live-fire damaged HSMST often exceeds 10,000lbs, exceeding current crane configuration.		
1.20 [USFFC] NAVAL SURFACE FIRE SUPPORT (NSFS) INHOUSE TRAINER - This is a new Cost Element beginning in FY 2021. Funding (\$1.367M) for procurement and installation of an upgraded version of the 20E18B Naval Surface Fire Support (NSFS) In-House Trainer. The current in-house trainer does not support the myriad of gun weapons system (GWS) configurations currently installed onboard cruisers and destroyers (CGs and DDGs). As a result, ships' combat systems personnel NSFS training is degraded. This upgrade emulates the current fleet configurations to include all MK 34 Mods, Naval Fires Control System (NFCS) capabilities and required updates to Windows 10. This configuration is required by Department of the Navy (DON) Chief Information Officer (CIO) to ensure Information Assurance (IA) compliance.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
2.1 Funds provide for procurement of shore-based fire arms training simulators at Center for Submarine Learning (CSL) to reduce time and energy expended for small arms proficiency by personnel assigned to small ships and submarines that lack this capability afloat. These un-tethered weapons systems and scenarios place the students into the action and afford them the ability to freely maneuver and handle the weapons. No significant increase (\$4K) between FY 2020 and FY 2021.		
3.1 ECR Virtual Desktop Infrastructure (VDI) Pool of Desktops (POD) Equipment Upgrade - VDI 2.0 for RRL Requirements (Includes Storage, Rack Infrastructure and Backup/System Management Software). Contains additional graphics capability for robust RRL curriculum. Note: Unit cost for VDI 2.0 POD is only marginally different than non-RRL POD cost - just a slightly different configuration. No funding in FY 2021; decrease (\$1.204M) from FY 2020.		
4.1 The ECR Program requires OPN funds over the FYDP to satisfy OPNAV N6 direction to procure Training Network (TRANET) networking equipment and to purchase VDI Electronic Classroom workstations, VDI ECR POD equipment and software in support of training delivery operation across the enterprise that matches planned architecture for NGEN-R. This initiative supports Transformation efforts to reduce the number of fielded networking solutions via implementation of standard equipment configurations. Increase from FY 2020 to FY 2021 (\$1.202M) due to upgrades to student workstation tech refresh.		
6.1 Consolidated Afloat Networks and Enterprise Services (CANES) System Integration Training: New Start in FY 2021 (\$1.475M). Funding provides for procurement of CANES training devices to integrate the CANES Virtual Environment (VE) and planned Multi-purpose Reconfigurable Training System (MRTS) to meet IT A-School and Journeyman Communications Course (JCC) C-School training mission for 2000+ students annually.		
7.1 MAA Active Shooter Training - Funding in prior years. Decrease (\$2.000M) from FY 2020 to FY 2021.		
8.1 Data Center Consolidation - Funding supports Data Center Consolidation (DCC). The funding enables the MPT&E to implement the Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement. No increase between FY20 and FY21.		
10. RRL Training Technology. New start in FY 2021 (\$4.210M) for a Reconfigurable Training System using gaming technology to enhance AN/SLQ-32(V)6 Maintenance Training which is used to train AN/SLQ-32(V)6 technicians on the V6 system Preventive and Corrective maintenance at IWTC Corry Station in Pensacola Florida.		
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FY21 Education Support Equipment:		
1.1. Backup System Replacement: New start in FY 2021 (\$0.300M). Provides for IT hardware and software to replace obsolete tape library. The proposed replacement system will facilitate faster and more reliable backup of enterprise data using current technologies.		
1.6. Pelletron Accelerator Replacement: New start in FY 2021 (\$0.446M). Replaces an existing Pelletron Accelerator and associated support equipment acquired FY 1988. The device permits study and experimentation in the area of nuclear physics.		
1.7. Electric Dynamometer: New start in FY 2021 (\$0.252M). Provides capability for study of motoring engines. Permits improved engine control along with data acquisition and processing capability for the determination of friction horsepower and other metrics vital to student understanding of diesel and turbine propulsion engines.		
1.13 Microscale Thermal Transport Replacement: New start in FY 2021. Provides for replacement of physical apparatus for propulsion laboratory study of nano-technology based heat transfer and thermal sciences acquired FY 2010. This capability permits measurement and demonstration of electromagnetic (thermal) processes at the nano-technology level critical to naval propulsion technology.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
1.14. Enterprise Network Upgrades: Increase in FY 2021 provides for permits modular, phased upgrade, replacement, and modernization of the Academy's enterprise computing network to maintain currency with changing industry standards and user demands. Provides for replacement of aging switches and routers used to direct data communication traffic across fiber optic cables to various places throughout the enterprise.		
1.16 Food Service Equipment: Funding in FY 2021 (\$0.357M) provides for replacement of various food preparation and related galley equipment in support of meal services benefitting USNA's 4400-member Brigade of Midshipmen.		
1.17 Arena Scoreboard: Funding in FY 2021 (\$0.455M) provides for lifecycle replacement of Wesley Brown Fieldhouse scoreboard used for indoor track and other sports originally acquired FY 2008. The system provides capability of multi-media scoring and video replay in support of NCAA and league requirements.		
1.18 A. Universal Wireless Telecommunications System: Funding in FY 2021 provides for DAS Cellular upgrades of existing telecommunications system to enhance cellular coverage within the historic Bancroft Hall dormitory for midshipmen quality of life and personal safety benefits. Follow-on funding extends cellular coverage to several academic buildings for enhancement of classroom and laboratory instruction as existing mobile communications coverage within these facilities is inadequate to accommodate evolving science, technology, engineering and math (STEM) and cyber computing needs of midshipmen, faculty, staff, and visiting public.		
1.24 Software Asset Management System: Modernization of current asset management system by centralizing two asset systems and multiple business processes into one integrated system. Aligned to DESMF goals, the AMS will create improved procurement processes through centralization of all asset data and asset related information to include but not be limited to: Simplifies inventory and auditing processes, more accurate risk assessments, understanding of the real cost of assets, adherence to vendor licensed software products, increased insight into the Total Cost of Ownership of IT.		
1.25 Anechoic Chamber System: Antenna testing chamber to replace current system in Ri-061 which is custom built into the building and cannot be relocated. Used by Midshipmen in pursuit of majors, electives and research.		
1.26 Field House Scoreboard: Funding in FY 2021 of \$426K provides for lifecycle replacement of the Fieldhouse scoreboard for sports events. Originally acquired FY 2008, the system provides capability of multi-media scoring and video replay in support of NCAA and league requirements.		
1.33 The Sodic Wire EDM: The Electrical Discharge Machining (Wire EDM) is a unique system primarily used to cut hard metals and other materials that are impossible to machine with traditional techniques. Project Support Branch needs to replace our existing Wire EDM that is past its service life and has become problematic, unreliable, and difficult to acquire replacement parts. The system supports both midshipmen capstone projects and faculty research; loss of this capability will force projects to be outsourced, thus increasing costs and lead times.		
2.1 HOPPER - Underwater motion capture system for Hopper Hall SURF: Mission Essential - Support Equipment for Hopper Hall SURF: The underwater motion capture system is needed for work on underwater robotics (UUVs), while the above-water motion capture system is used for both aerial (UAV) and surface (USV) units.		
2.2 HOPPER - Above water motion capture system for Hopper Hall SURF: This is a new start in FY 2020. Mission Essential - Support Equipment for Hopper Hall SURF: The SURF is to be used for teaching fundamentals of unmanned surface vehicles (USVs), unmanned underwater vehicles (UUVs), and for cooperative studies for aerial, surface, and undersea robots.		
2.3 HOPPER - Above water motion capture system for Hopper Hall AerTeMis: This is a new start in FY 2020. Mission Essential - Support Equipment for Hopper Hall AerTeMis: Lab used to teach fundamentals of UAVs and multi-agent systems in a safe and controlled environment. This facility is to be used for beginning classroom instruction, when crashes are unavoidable. It is also to be used for testing of high-end (expensive) equipment and aggressive controls and tactics with high risk. The motion capture system is needed for all aspects of this testing environment.		
2.4 ECE Anechoic Chamber Lab / System: Antenna testing chamber to replace current system in Ri-061 which is custom built into the building and cannot be relocated. Used by Midshipmen in pursuit of majors, electives and research.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 1: Training Devices		P-1 Line Item Number / Title: 8101 / Training and Education Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
OCO: 1.16 [USFFC OCO] TRAINING SUPPORT VESSEL (TSV) HM&E C5I SUPPORT - FY 2021 OCO funds (\$1.500M) required to procure, install and maintain five (5) Hull, Mechanical and Electrical (HM&E) & Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) Support Systems on Navy Training Support Vessels (TSVs). The systems provide access to current military and commercial satellites required to deliver adequate bandwidth speeds in support of data and information exchange requirements. 1.17 [USFFC OCO] TACTICAL TRAINING RANGE LVC SYSTEMS - FY 2021 OCO funds (\$6.000M) required for Live, Virtual, and Constructive (LVC) support systems on five (5) Tactical Training Ranges. The Fleet Training Tactical Training Ranges (TTR) require planned, periodic replacement/modernization of hardware ("technical refresh") to keep pace with technology upgrades and provide for realistic replication of threat capabilities as required for the training and certification of deployed naval forces in/around the Horn of Africa, Persian Gulf and the Arabian Sea. The TTR complexes are essential to generating combat readiness and satisfying Fleet training requirements. TTR tactical data links, scoring systems, surveillance and tracking systems, target systems, communications systems, Electronic Warfare (EW)/Information Operations (IO)/Threat systems, Range Operations Centers (ROC), and auxiliary systems require license and maintenance agreements as well as end of service life replacement to maintain accreditation for cyber security connection to the Navy Enterprise Tactical Training Network (NETTN). This effort supports the SECNAV Report to Congress for LVC Training. 1.18 [USFFC OCO] SEABORNE HIGH SPEED MANEUVERING SURFACE TARGETS (HSMST) - FY 2021 OCO (\$4.000M) funds required to procure a ready pool of diesel equipped Seaborne High Speed Maneuvering Surface Targets (HSMSTs) and procure replacement diesel engines to replace engines damaged during Live Fire Events (LFEs). HSMSTs will be utilized in an Hit-to-Kill (H2K) environment where an estimated 50% loss rate due to sinking or non-economic recovery is expected, and in Electromagnetic Maneuver Warfare (EMW) training/GPS Testing Operation scenarios.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8101 / Training and Education Equipment								Aggregated Items Title: Training Support Equipment							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO					
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
1) [USFFC] TRAINING SUPPORT EQUIPMENT																				
1.1) [USFFC] LIFE CYCLE MANAGEMENT (NCTE) ^{(1)(t)}	A		2,822K	2	5.645	2,458K	1	2.458	2,390K	1	2.390	1,592K	1	1.592	-	-	-	1,592K	1	1.592
1.2) [USFFC] BALLISTIC MISSILE DEFENSE (BMD) ^{(2)(t)}	A		2,113K	1	2.113	2,152K	1	2.152	2,193K	1	2.193	2,193K	1	2.193	-	-	-	2,193K	1	2.193
1.3) [USFFC] BMD FLEET SYNTHETIC TRAINING (FST) AT SEA ^{(3)(t)}	A		213,000.00	2	0.426	168,000.00	1	0.168	171,000.00	1	0.171	171,000.00	1	0.171	-	-	-	171,000.00	1	0.171
1.4) [USFFC] ANTI-ACCESS AREA DENIAL (A2AD) ^{(4)(t)}	A		210,750.00	4	0.843	226,500.00	4	0.906	264,000.00	7	1.848	253,500.00	8	2.028	-	-	-	253,500.00	8	2.028
1.5) [USFFC] COMMON DATA LINK (CDL)	A		312,000.00	2	0.624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) [USFFC] DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLESNESS ^(t)	A		1,286K	2	2.571	1,100K	1	1.100	-	-	-	-	-	-	-	-	-	-	-	-
1.7) [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ^{(5)(t)}	A		417,500.00	2	0.835	566,000.00	1	0.566	577,000.00	1	0.577	580,000.00	1	0.580	-	-	-	580,000.00	1	0.580
1.8) [USFFC] IMPASS SCORING SYSTEM ^{(6)(t)}	A		2,200K	1	2.200	-	-	-	500,000.00	1	0.500	-	-	-	-	-	-	-	-	-
1.9) [USFFC] FLEET TRAINING WHOLESNESS (FTW) ^{(7)(t)}	A		-	-	-	5,400K	1	5.400	8,500K	1	8.500	13,000K	1	13.000	-	-	-	13,000K	1	13.000
1.10) [USFFC] EAST COAST NETWORK CONSOLIDATION ^{(8)(t)}	A		-	-	-	-	-	-	15,133K	1	15.133	9,200K	1	9.200	-	-	-	9,200K	1	9.200
1.11) [USFFC] WEST COAST NETWORK CONSOLIDATION ^{(9)(t)}	A		-	-	-	-	-	-	7,433K	1	7.433	13,600K	1	13.600	-	-	-	13,600K	1	13.600
1.12) [USFFC] AVIATION TRAINING	A		-	-	-	-	-	-	10,740K	1	10.740	1,233K	1	1.233	-	-	-	1,233K	1	1.233

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8101 / Training and Education Equipment									Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
& MISSION REHEARSAL SECURITY (N98) (10)(t)																				
1.13) [USFFC] TRAINING SUPPORT VESSEL (TSV) PROCUREMENT & SUSTAINMENT (N94) (11)(t)	A		-	-	-	-	-	-	12,400K	1	12,400	6,364K	1	6,364	-	-	-	6,364K	1	6,364
1.14) [USFFC] TRAINING SUPPORT VESSEL (TSV) COMMS NETWORK SUITE (N94) (12)(t)	A		-	-	-	-	-	-	2,700K	1	2,700	3,400K	1	3,400	-	-	-	3,400K	1	3,400
1.15) [USFFC] NCTE SPECIAL ACCESS TRAINING NETWORK (13)	A		-	-	-	-	-	-	-	-	-	2,600K	1	2,600	-	-	-	2,600K	1	2,600
1.16) [USFFC OCO] TRAINING SUPPORT VESSEL (TSV) HM&E CSI SUPPORT (N94) (14)(t)	A		-	-	-	-	-	-	-	-	-	0.000	300,000.00	5	1,500	300,000.00	5	1,500		
1.17) [USFFC OCO] TACTICAL TRAINING RANGE LVC SYSTEMS (N96) (15)(t)	A		-	-	-	-	-	-	-	-	-	0.000	1,200K	5	6,000	1,200K	5	6,000		
1.18) [USFFC OCO] HIGH SPEED MANEUVERING SURFACE TARGETS (HSMST) (N94) (16)(t)	A		-	-	-	-	-	-	-	-	-	0.000	4,000K	1	4,000	4,000K	1	4,000		
1.19) [USFFC / CSG4] TRANING SUPPORT VESSEL (TSV) CRANE UPGRADES (17)(t)	A		-	-	-	-	-	-	-	-	-	850,000.00	3	2,550	-	-	-	850,000.00	3	2,550
1.20) [USFFC / CSG4] NAVAL SURFACE FIRE SUPPORT (NSFS) IN-HOUSE TRAINER (18)(t)	A		-	-	-	-	-	-	-	-	-	1,367K	1	1,367	-	-	-	1,367K	1	1,367
Subtotal: 1) [USFFC] TRAINING SUPPORT EQUIPMENT			-	-	15.257	-	-	12.750	-	-	64.585	-	-	59.878	-	-	11.500	-	-	71.378
2) Fire Arms Training Simulator																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1						P-1 Line Item Number / Title: 8101 / Training and Education Equipment								Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
2.1) FIRE ARMS TRAINING SIMULATOR (FATS) (19)(t)	A		237,000.00	2	0.474	-	-	-	178,000.00	1	0.178	182,000.00	1	0.182	-	-	-	182,000.00	1	0.182
<i>Subtotal: 2) Fire Arms Training Simulator</i>			-	-	0.474	-	-	-	-	-	0.178	-	-	0.182	-	-	-	-	0.182	
3) YPYTD - TRAINING DELIVERY SERVICES (TDS)																				
3.1) ECR VDI POOL OF DESKTOPS EQUIP. UPGRADE (S2025) ^(t)	A		146,000.00	7	1.022	172,000.00	20	3.440	172,000.00	7	1.204	-	-	-	-	-	-	-	-	
<i>Subtotal: 3) YPYTD - TRAINING DELIVERY SERVICES (TDS)</i>			-	-	1.022	-	-	3.440	-	-	1.204	-	-	-	-	-	-	-	-	
4) Electronic Classroom (ECR) Program																				
4.1) ECR Instructor Podium Tech Refresh (20)(t)	A		1,000.00	216	0.216	-	-	-	-	-	1,000.00	176	0.176	-	-	-	1,000.00	176	0.176	
4.2) ECR Student Workstation Tech Refresh (21)(t)	A		1,092.59	216	0.236	-	-	-	1,000.00	531	0.531	1,000.00	1,891	1.891	-	-	1,000.00	1,891	1.891	
4.3) ECR Graphics Offload Server (Test Unit)	A		-	-	0.031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.4) ECR Virtual Desktop Infrastructure (VDI) Pool of Desktops (POD) Equipment	A		138,000.00	5	0.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ^{(22)(t)}	A		-	-	-	1,001K	2	2.002	2,000.00	610	1.220	2,000.00	443	0.886	-	-	2,000.00	443	0.886	
4.6) ECR VDI/ VIRTUAL SERVER SERVICES IMPLEMENTATION	A		-	-	2.467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.7) Microsoft Office 2016 Software for ECR student seats	A		483.78	2,497	1.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 4) Electronic Classroom (ECR) Program</i>			-	-	4.848	-	-	2.002	-	-	1.751	-	-	2.953	-	-	-	-	2.953	
5) Multi-purpose Reconfigurable Training System (MRTS)																				
5.1) Multi-purpose Reconfigurable Training System (MRTS)	A		-	-	5.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8101 / Training and Education Equipment									Aggregated Items Title: Training Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 5) Multi-purpose Reconfigurable Training System (MRTS)</i>			-	-	5.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6) Consolidated Afloat Networks and Enterprise Services (CANES)⁽²³⁾																				
6.1) CANES System Integration Training (24)(†)	A		-	-	-	-	-	-	-	-	-	1,475K	1	1,475	-	-	-	1,475K	1	1,475
<i>Subtotal: 6) Consolidated Afloat Networks and Enterprise Services (CANES)</i>			-	-	0.000	-	-	-	-	-	-	-	-	1,475	-	-	-	-	1,475	
7) MAA ACTIVE SHOOTER TRAINING																				
7.1) MAA Active Shooter Training ^(†)	A		-	-	-	-	-	-	2,000K	1	2,000	-	-	-	-	-	-	-	-	
<i>Subtotal: 7) MAA ACTIVE SHOOTER TRAINING</i>			-	-	0.000	-	-	-	-	-	2,000	-	-	-	-	-	-	-	-	
8) Data Center Consolidation (DCC)⁽²⁵⁾																				
8.1) Data Center Consolidation ^{(26)(†)}	A		-	-	-	-	-	-	1,500K	1	1,500	1,500K	1	1,500	-	-	-	1,500K	1	1,500
<i>Subtotal: 8) Data Center Consolidation (DCC)</i>			-	-	0.000	-	-	-	-	-	1,500	-	-	1,500	-	-	-	-	1,500	
9) Mariner Skills Suite																				
9.1) Mariner Skills Suite Upgrade	A		-	-	0.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 9) Mariner Skills Suite</i>			-	-	0.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10) RRL Training Technology⁽²⁷⁾																				
10.1) Reconfigurable CIC Trainer (RCT) Virtualized High Fidelity Trainer ^(†)	A		-	-	-	-	-	-	810,000.00	1	0.810	-	-	-	-	-	-	-	-	
10.2) OS Accelerated Delivery - CIC Trainer ^(†)	A		-	-	-	-	-	-	1,500K	1	1,500	-	-	-	-	-	-	-	-	
10.3) ET A School MRTS 3D Communications Lab Upgrades ^{(28)(†)}	A		-	-	-	-	-	-	690,000.00	1	0.690	1,000K	1	1,000	-	-	-	1,000K	1	1,000
10.4) Tactical Training Simulator (TTS) for MA A School / NTTC Lackland ^(†)	A		-	-	-	-	-	-	2,000K	1	2,000	-	-	-	-	-	-	-	-	
10.5) Reconfigurable Training System for AN/SLQ-32(V)6	A		-	-	-	-	-	-	-	-	4,210K	1	4,210	-	-	-	4,210K	1	4,210	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Maintenance Trainer (29)(t)																				
<i>Subtotal: 10) RRL Training Technology</i>		-	-	0.000	-	-	-	-	-	5.000	-	-	5.210	-	-	-	-	-	5.210	
11) Enlisted Accesion Increases for STS Rating																				
11.1) Enlisted Accesion Increases for STS Rating (30)	A		-	-	-	-	-	-	-	7.500	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 11) Enlisted Accesion Increases for STS Rating</i>		-	-	0.000	-	-	-	-	-	7.500	-	-	-	-	-	-	-	-	-	
Total		-	-	27.551	-	-	18.192	-	-	83.718	-	-	71.198	-	-	11.500	-	-	82.698	
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(t) indicates the presence of a P-5a																				
Footnotes:																				
(1) FY 2021 increase due to fluctuations in life cycle requirements and upgrade at overseas (e.g., Spain, Japan) sites.																				
(2) No change in funding.																				
(3) No change in funding.																				
(4) FY 2021 increase of \$0.180M due to procurement of an additional system.																				
(5) FY 2021 increase due to inflation.																				
(6) No funding required in FY 2021.																				
(7) FY 2021 increase due to Total Ship Training Capability (TSTC) equipment supporting 14 ship installations.																				
(8) FY 2021 decrease due to the Full Operational Capability (FOC) shifting right four (4) years.																				
(9) FY 2021 decrease due to the Full Operational Capability (FOC) shifting right four (4) years.																				
(10) FY 2021 decrease due to reduction in sites, three (3) vice ten (10), as renovations near completion. Ten (10) sites were converted in FY 2020, leaving three (3) for FY 2021. Funding completes in FY 2021.																				
(11) FY 2021 decrease due to outfitting of Training Support Vessel (TSV) with tactical and training systems. FY 2020 procured actual TSV.																				
(12) FY 2021 increase due to start of TSV installation of communications network suite.																				
(13) This is a new Cost Element beginning in FY 2021.																				
(14) This is a new Cost Element beginning in FY 2021.																				
(15) This is a new Cost Element beginning in FY 2021.																				
(16) This is a new Cost Element beginning in FY 2021.																				
(17) This is a new Cost Element beginning in FY 2021.																				
(18) This is a new Cost Element beginning in FY 2021.																				
(19) No significant increase(\$4K) from FY 2020 to FY 2021.																				
(20) New start in FY 2021. Funds in the amount of \$176K support Electronic Classroom (ECR) and distributive learning environments in 2,500 classrooms at 68 learning sites around the world.																				
(21) Increase from FY 2020 to FY 2021 of \$1.360K supports upgrades to student workstation tech refresh. Funds provides support for classroom and distributive learning environments in 2,500 classrooms at 68 learning sites around the world.																				
(22) Decrease of -334K from FY 2020 to FY 2021 due to the need for less ECR virtualization Software.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	Aggregated Items Title: Training Support Equipment
(23) Consolidated Afloat Networks and Enterprise Services (CANES): FY19 OPN funding provides for procurement of CANES training devices to integrate the CANES Virtual Environment (VE) and planned Multi-purpose Reconfigurable Training System (MRTS) to meet IT A-School and Journeyman Communications Course (JCC) C-School training mission for 2000+ students annually. CANES is the Fleet's core communications capability and training equipment needs to be compatible with the Multi-Purpose Reconfigurable Training System (MRTS) family of trainers and the Virtual Environment which will provide a training environment simulating a variety of shipboard systems. SPAWAR Virtual Environment (VE) training solution is cloud-based and training accessed by FCA to support just-in-time advanced skills training. VE resolves current Program-of-Record (POR) Technical Training Equipment (TTE) single-shifted design capacity constraint and will facilitate training of multiple fielded CANES variants. Implementation of VE training solution for CANES will lead to significant reduction in IT workforce constraint caused by current POR TTE training solution, and will yield significant annual travel/per diem cost avoidance. Consolidated Afloat Networks and Enterprise Services (CANES): \$5.100M across the FYDP is required for SPAWAR and Center for Information Warfare Training (CIWT) to integrate CANES training into the Virtual Environment and the replacement for the Virtual Radio Room suite. Integrating CANES training into the planned single hardware suite (MRTS) to simulate various pieces of Technical Training Equipment (TTE) and reduce life-cycle costs and upgrades. SPAWAR and CIWT will upgrade training system to meet IT A-School and Journeyman Communications course (JCC) C-School training mission for 2000+ students annually.		
(24) New start in FY 2021 for CANES. Funding in the amount of \$1.475K provides for procurement of CANES training devices to integrate the CANES Virtual Environment (VE) and planned Multi-purpose Reconfigurable Training System (MRTS) to meet IT A-School and Journeyman Communications Course (JCC) C-School training mission for 2000+ students annually.		
(25) Data Center Consolidation (DCC) funding: Funds realigned from BSO39 for Data Center and Application Optimization, provide sustainment of data center hardware, software, and licenses for established Component Enterprise Data Centers (CEDCs) and other approved hosting locations as part of the Department of Defense's Information Technology efficiency for the Manpower, Training, and Education (MPT&E) Data Center footprint. The funding enables the MPT&E to implement the Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement. Funds application hosting costs, continues with consolidation and application migration efforts, and ensure that systems are modernized to sustain security requirements of Navy information and data residing within applications and data centers.		
(26) No increase from FY 2020 TO FY 2021 supports Data Center Consolidation (DCC). The funding enables the MPT&E to implement the Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement.		
(27) The solution is conducive to Ready Relevant Learning (RRL) modularization of training. Developed curriculum and technology can be used in modular fashion to support Sailor reach back / refresh needs. Virtualizes / Simulates actual equipment or software capability - significantly reducing lifecycle support costs, and duplicative development costs. Implementation is expected to improve delivery of existing training due to a blended training solution eliminating bottlenecks and increased repetition of tasks. RRL Training Technology includes OPN training and education equipment for the Center for Surface Combat Systems (CSCS) 1)Reconfigurable CIC Trainer (RCT) Virtualized High Fidelity Trainer, 2)ET A School MRTS 3D Communications Lab Upgrades, and 3)OS Accelerated Delivery CIC Trainer; Center for Naval Aviation Technical Training (CNATT) 1)A-School Air Conditioning /Reconfigurable Training System; Center for Security Forces (CSF) 1)Tactical Training Simulator (TTS) for MA A School / NTTCC Lackland; Center for Information Warfare Training (CIWT) 1)Reconfigurable Training System for AN/SLQ-32(V)6 Maintenance Trainer; and Surface Warfare Officers School 1)Virtual Welding Trainers.		
(28) Increase from FY 2020 to FY 2021 of \$310K supports continued upgrade to existing DDG Radio Room Multi-purpose Reconfigurable Training System 3D (MRTS 3D). Each workstation serves as a platform for operations, maintenance, and troubleshooting/repair procedures and replicates the following radios: HF system/DMR; VHF system/DMR; UHF LOS system/DMR; UHF SATCOM system/DMR; EHF System/NMT; and SHF system/NMT		
(29) New start in FY 2021 of \$4.210K for a Reconfigurable Training System using gaming technology to enhance AN/SLQ-32(V)6 Maintenance Training which is used to train AN/SLQ-32(V)6 technicians on the V6 system Preventive and Corrective maintenance at IWTC Corry Station in Pensacola Florida.		
(30) New start in FY 2020. Increase of \$7.5M FY 2020 President's Budget request.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8101 / Training and Education Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) [USFFC] TRAINING SUPPORT EQUIPMENT												
1.1) [USFFC] LIFE CYCLE MANAGEMENT (NCTE) ⁽¹⁾		2019	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Jan 2019	Jan 2019	1	2,458K	N	Jan 2019	Oct 2018
1.1) [USFFC] LIFE CYCLE MANAGEMENT (NCTE) ⁽¹⁾		2020	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Jan 2020	Jan 2020	1	2,390K	N	Jan 2020	Oct 2019
1.1) [USFFC] LIFE CYCLE MANAGEMENT (NCTE) ⁽¹⁾		2021	Alion Science and Technology / McLean, VA	TBD	** NO PCO **	Oct 2020	Oct 2020	1	1,592K	N		
1.2) [USFFC] BALLISTIC MISSILE DEFENSE (BMD) ⁽²⁾		2019	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Oct 2018	Oct 2018	1	2,152K	N	Jan 2019	Oct 2017
1.2) [USFFC] BALLISTIC MISSILE DEFENSE (BMD) ⁽²⁾		2020	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Oct 2019	Oct 2019	1	2,193K	N	Jan 2020	Oct 2018
1.3) [USFFC] BMD FLEET SYNTHETIC TRAINING (FST) AT SEA ⁽³⁾		2019	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Dec 2018	Dec 2018	1	168,000.00	N	Jan 2019	Oct 2017
1.3) [USFFC] BMD FLEET SYNTHETIC TRAINING (FST) AT SEA ⁽³⁾		2020	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Dec 2019	Dec 2019	1	171,000.00	N	Jan 2020	Oct 2018
1.3) [USFFC] BMD FLEET SYNTHETIC TRAINING (FST) AT SEA ⁽³⁾		2021	Alion Science and Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	171,000.00	N		
1.4) [USFFC] ANTI-ACCESS AREA DENIAL (A2AD) ⁽⁴⁾		2019	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Dec 2018	Dec 2018	4	226,500.00	N	Jan 2019	Oct 2017
1.4) [USFFC] ANTI-ACCESS AREA DENIAL (A2AD) ⁽⁴⁾		2020	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Dec 2019	Dec 2019	7	264,000.00	N	Jan 2020	Oct 2018
1.4) [USFFC] ANTI-ACCESS AREA DENIAL (A2AD) ⁽⁴⁾		2021	Alion Science and Technology / McLean, VA	TBD	** NO PCO **	Oct 2020	Oct 2020	8	253,500.00	N		
1.6) [USFFC] DIGITAL RADIO MANAGEMENT SYSTEM (DRMS) WHOLENESS		2019	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Oct 2018	Oct 2018	1	1,100K	N	Jan 2019	Oct 2017
1.7) [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ⁽⁵⁾		2019	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Jan 2019	Jan 2019	1	566,000.00	N	Jan 2019	Oct 2017
1.7) [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ⁽⁵⁾		2020	Alion Science and Technology / McLean, VA	C / FFP	DTIC	Jan 2020	Jan 2020	1	577,000.00	N	Jan 2020	Oct 2018

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8101 / Training and Education Equipment					Aggregated Items: Training Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.7) [USFFC] NAVAL INTEGRATED FIRE CONTROL - COUNTER AIR (NIFC-CA) ⁽⁵⁾		2021	Alion Science and Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	580,000.00	N		
1.8) [USFFC] IMPASS SCORING SYSTEM ⁽⁶⁾		2020	NAWCWD Pt. Mugu / NAWCWD Pt. Mugu, CA	C / FFP	PT MUGU	Dec 2019	Dec 2019	1	500,000.00	N	Jan 2020	Oct 2017
1.9) [USFFC] FLEET TRAINING WHOLENESS (FTW) ^{(7)(t)}		2019	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Dec 2018	Dec 2018	1	5,400K	N	Jan 2019	Oct 2017
1.9) [USFFC] FLEET TRAINING WHOLENESS (FTW) ^{(7)(t)}		2020	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Dec 2019	Dec 2019	1	8,500K	N	Jan 2020	Oct 2018
1.9) [USFFC] FLEET TRAINING WHOLENESS (FTW) ⁽⁷⁾		2021	Alion Science & Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	13,000K	N		
1.10) [USFFC] EAST COAST NETWORK CONSOLIDATION (8)(t)		2020	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Nov 2019	Nov 2019	1	15,133K	N	Jan 2020	Oct 2018
1.10) [USFFC] EAST COAST NETWORK CONSOLIDATION (8)		2021	Alion Science & Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	9,200K	N		
1.11) [USFFC] WEST COAST NETWORK CONSOLIDATION (9)(t)		2020	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Dec 2019	Dec 2019	1	7,433K	N	Jan 2020	Oct 2018
1.11) [USFFC] WEST COAST NETWORK CONSOLIDATION (9)		2021	Alion Science & Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	13,600K	N		
1.12) [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY (N98) (10)(t)		2020	Alion Science & Technology / McLean, VA	C / FFP	DTIC	Feb 2020	Feb 2020	1	10,740K	N	Jan 2020	Oct 2018
1.12) [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY (N98) (10)(t)		2021	Alion Science & Technology / McLean, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	1,233K	N		
1.13) [USFFC] TRAINING SUPPORT VESSEL (TSV) PROCUREMENT & SUSTAINMENT (N94) ⁽¹¹⁾		2020	FLC, Norfolk / Norfolk, VA	C / FFP	USFF	Jan 2020	Jan 2020	1	12,400K	N	Jan 2020	Aug 2019
1.13) [USFFC] TRAINING SUPPORT VESSEL (TSV) PROCUREMENT & SUSTAINMENT (N94) ⁽¹¹⁾		2021	FLC, Norfolk / Norfolk, VA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	6,364K	N		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.14) [USFFC] TRAINING SUPPORT VESSEL (TSV) COMMS NETWORK SUITE (N94) (12)		2020	Alion Science & Technology / McLean, VA	C / FFP	** NO PCO **	Oct 2019	Oct 2019	1	2,700K	N	Jan 2020	Jun 2019
1.14) [USFFC] TRAINING SUPPORT VESSEL (TSV) COMMS NETWORK SUITE (N94) (12)		2021	Alion Science & Technology / McLean, VA	C / FFP	** NO PCO **	Oct 2020	Oct 2020	1	3,400K	N		
1.16) [USFFC OCO] TRAINING SUPPORT VESSEL (TSV) HM&E C5I SUPPORT (N94) (14)	✓	2021	FLC, Norfolk / Norfolk, VA	Reqn	** NO PCO **	Dec 2020	Jul 2021	5	300,000.00	N	Aug 2021	
1.17) [USFFC OCO] TACTICAL TRAINING RANGE LVC SYSTEMS (N96) (15)	✓	2021	DTIC / Fort Belvoir, VA	MIPR	** NO PCO **	Nov 2020	Nov 2020	5	1,200K	N	Dec 2020	
1.18) [USFFC OCO] HIGH SPEED MANEUVERING SURFACE TARGETS (HSMST) (N94) (16)	✓	2021	FLC, Norfolk / Norfolk, VA	Reqn	** NO PCO **	Dec 2020	Feb 2021	1	4,000K	N		
1.19) [USFFC / CSG4] TRAINING SUPPORT VESSEL (TSV) CRANE UPGRADES (17)		2021	FLC, Norfolk / Norfolk, VA	Reqn	** NO PCO **	Dec 2020	Jun 2021	3	850,000.00	N	Jan 2021	
1.20) [USFFC / CSG4] NAVAL SURFACE FIRE SUPPORT (NSFS) IN-HOUSE TRAINER (18)		2021	FLC, Norfolk / Norfolk, VA	Reqn	** NO PCO **	Nov 2020	May 2021	1	1,367K	N	Dec 2020	
2) Fire Arms Training Simulator												
2.1) FIRE ARMS TRAINING SIMULATOR (FATS) (19)		2020	NSWC / NSWC	C / FP	FLC, PHILADELPHIA	Oct 2019	Oct 2019	1	178,000.00	N	Jul 2019	
2.1) FIRE ARMS TRAINING SIMULATOR (FATS) (19)		2021	NSWC / NSWC	C / FP	FLC, PHILADELPHIA	Oct 2020	Oct 2020	1	182,000.00	N	Jul 2020	
3) YPYTD - TRAINING DELIVERY SERVICES (TDS)												
3.1) ECR VDI POOL OF DESKTOPS EQUIP. UPGRADE (S2025)		2019	DELL/EMC/CDW-G / c/fpp	C / FFP	NEPTPDTC	Jun 2019	Jul 2019	20	172,000.00	N	Oct 2018	
3.1) ECR VDI POOL OF DESKTOPS EQUIP. UPGRADE (S2025)		2020	DELL/EMC/CDW-G / c/fpp	C / FFP	NETPDTC	Jun 2020	Jul 2020	7	172,000.00	N	Oct 2019	
4) Electronic Classroom (ECR) Program												
4.1) ECR Instructor Podium Tech Refresh (20)		2021	TBD / TBD	C / FFP	Fluke	Oct 2020	Oct 2020	176	1,000.00	N	Jul 2020	

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Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.2) ECR Student Workstation Tech Refresh ⁽²¹⁾		2020	DELL/EMC/CDW-G / c/fpp	C / FFP	NETPDTC	Oct 2019	Oct 2019	531	1,000.00	N	Sep 2019	
4.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ⁽²²⁾		2019	VMWARE / Palo Alto, CA	C / FFP	NEPTPDTC	Oct 2018	Oct 2018	2	1,001K	N	Oct 2018	
4.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ⁽²²⁾		2020	VMWARE / Palo Alto, CA	C / FFP	NEPTPDTC	Oct 2019	Oct 2019	610	2,000.00	N	Oct 2019	
4.5) ECR VDI IMPLEMENTATION (VIRTUALIZATION SOFTWARE) ⁽²²⁾		2021	VMWARE / Palo Alto, CA	C / TBD	NETPDTC	Oct 2020	Oct 2020	443	2,000.00	N	Oct 2020	
6) Consolidated Afloat Networks and Enterprise Services (CANES)												
6.1) CANES System Integration Training ⁽²⁴⁾		2021	TBD / TBD	C / FP	FLC, PHILADELPHIA	Oct 2020	Oct 2020	1	1,475K	N	Oct 2020	
7) MAA ACTIVE SHOOTER TRAINING												
7.1) MAA Active Shooter Training		2020	TBD / TBD	C / TBD	FLC, PHILADELPHIA	Feb 2020	Mar 2020	1	2,000K	N	May 2020	
8) Data Center Consolidation (DCC)												
8.1) Data Center Consolidation ⁽²⁶⁾		2020	Unknown / Unknown	C / TBD	** NO PCO **	Jul 2020	Jul 2020	1	1,500K	N	Sep 2020	
8.1) Data Center Consolidation ⁽²⁶⁾		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	1,500K	N	Sep 2020	
10) RRL Training Technology												
10.1) Reconfigurable CIC Trainer (RCT) Virtualized High Fidelity Trainer		2020	TBD / TBD	C / TBD	NSWC	Jan 2020	Feb 2020	1	810,000.00	N	Jul 2019	Nov 2019
10.2) OS Accelerated Delivery - CIC Trainer		2020	TBD / TBD	C / IDIQ	NAWCTSD	Feb 2020	Mar 2020	1	1,500K	N	Sep 2019	Dec 2019
10.3) ET A School MRTS 3D Communications Lab Upgrades ⁽²⁸⁾		2020	TBD / TBD	C / IDIQ	NAWCTSD	Jan 2020	Jan 2020	1	690,000.00	N	Nov 2019	
10.3) ET A School MRTS 3D Communications Lab Upgrades ⁽²⁸⁾		2021	TBD / TBD	C / IDIQ	NAWCTSD	Jan 2021	Jan 2021	1	1,000K	N	Nov 2020	
10.4) Tactical Training Simulator (TTS) for MA A School / NTTC Lackland		2020	TBD / TBD	C / TBD	TBD	Nov 2019	Dec 2019	1	2,000K	N	Sep 2022	Oct 2019
10.5) Reconfigurable Training System for AN/SLQ-32(V)6 Maintenance Trainer ⁽²⁹⁾		2021	Unknown / Unknown	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	4,210K	N	Jul 2020	

(†) indicates the presence of a P-21

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	Aggregated Items: Training Support Equipment

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Exhibit P-21, Production Schedule: PB 2021 Navy																			Date: February 2020												
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1										P-1 Line Item Number / Title: 8101 / Training and Education Equipment										Aggregated Items: Training Support Equipment											
Items (Units in Each)						Fiscal Year 2019												Fiscal Year 2020													
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E	
1) [USFFC] TRAINING SUPPORT EQUIPMENT						Calendar Year 2019												Calendar Year 2020													
1.9) [USFFC] FLEET TRAINING WHOLESOME (FTW) ⁽⁷⁾																														0	
3	2019	NAVY	1	0	1													A1												0	
3	2020	NAVY	1	0	1													A1												0	
1.10) [USFFC] EAST COAST NETWORK CONSOLIDATION ⁽⁸⁾																			A1												0
4	2020	NAVY	1	0	1													A1												0	
1.11) [USFFC] WEST COAST NETWORK CONSOLIDATION ⁽⁹⁾																			A1												0
1.12) [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY (N98) ⁽¹⁰⁾																			A1												0
6	2020	NAVY	1	0	1													A1												1	
6	2021	NAVY	1	0	1	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2021 Navy																			Date: February 2020													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1										P-1 Line Item Number / Title: 8101 / Training and Education Equipment										Aggregated Items: Training Support Equipment												
Items (Units in Each)						Fiscal Year 2021												Fiscal Year 2022														
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1) [USFFC] TRAINING SUPPORT EQUIPMENT						Calendar Year 2021												Calendar Year 2022												B A L A N C E		
1.9) [USFFC] FLEET TRAINING WHOLESOME (FTW) ⁽⁷⁾																														0		
3	2019	NAVY	1	1	0																									0		
3	2020	NAVY	1	1	0																									0		
1.10) [USFFC] EAST COAST NETWORK CONSOLIDATION ⁽⁸⁾																															0	
4	2020	NAVY	1	1	0																									0		
1.11) [USFFC] WEST COAST NETWORK CONSOLIDATION ⁽⁹⁾																															0	
1.12) [USFFC] AVIATION TRAINING & MISSION REHEARSAL SECURITY (N98) ⁽¹⁰⁾																															0	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
						A1																										

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Exhibit P-21, Production Schedule: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8101 / Training and Education Equipment					Aggregated Items: Training Support Equipment				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Alion Science & Technology - McLean, VA			TBD	0	0	0	0	0	0	0	0
2	Alion Science & Technology - McLean, VA			TBD	0	0	0	0	0	0	0	0
3	Alion Science & Technology - McLean, VA			TBD	0	0	0	0	0	0	0	0
4	Alion Science & Technology - McLean, VA			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8101 / Training and Education Equipment									Aggregated Items Title: Education Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) U.S. Naval Academy (USNA)																				
1.1) O. Backup System Replacement (31)(t)	A		-	-	0.374	-	-	-	-	-	300,000.00	1	0.300	-	-	-	300,000.00	1	0.300	
1.2) B. Advanced Computing Cluster Replacement ^(†)	A		980,000.00	1	0.980	328,000.00	1	0.328	-	-	-	-	-	-	-	-	-	-	-	
1.3) AH. Bridge Simulator Upgrade	A		-	-	0.557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) A. Articulated Hub & Rotor Blade Assembly	A		-	-	0.657	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) R. Pelletron Accelerator Replacement ^{(32)(t)}	A		-	-	-	-	-	-	-	-	466,000.00	1	0.466	-	-	-	466,000.00	1	0.466	
1.7) S. Electric Dynamometer ^{(33)(t)}	A		-	-	-	-	-	-	-	-	252,000.00	1	0.252	-	-	-	252,000.00	1	0.252	
1.11) G. Auditorium Sound System Replacement ^(†)	A		-	-	-	259,000.00	1	0.259	-	-	-	-	-	-	-	-	-	-	-	
1.13) J. Microscale Thermal Transport Replacement ^(†)	A		-	-	-	-	-	-	313,000.00	1	0.313	-	-	-	-	-	-	-	-	
1.14) C. Enterprise Network Upgrades ^(†)	A		300,000.00	1	0.300	768,000.00	1	0.768	958,000.00	1	0.958	-	-	-	-	-	-	-	-	
1.16) D. Food Service Equipment ^{(34)(t)}	A		-	-	-	300,000.00	1	0.300	-	-	357,000.00	1	0.357	-	-	-	357,000.00	1	0.357	
1.17) P. Arena Scoreboard ^{(35)(t)}	A		-	-	-	-	-	-	-	-	455,000.00	1	0.455	-	-	-	455,000.00	1	0.455	
1.18) A. Universal Wireless Telecommunications System: DAS Cellular ^(†)	A		313,500.00	2	0.627	100,000.00	1	0.100	250,000.00	1	0.250	-	-	-	-	-	-	-	-	
1.21) C. MicroTime Spectroscopy System	A		357,000.00	1	0.357	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.22) D. Raman Spectrometer	A		-	-	0.278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.23) AG. Frequency-Domain Thermo-Reflectance System	A		411,000.00	1	0.411	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.24) G. Asset Management System (AMS) ^(†)	A		279,000.00	1	0.279	-	-	-	300,000.00	1	0.300	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1					P-1 Line Item Number / Title: 8101 / Training and Education Equipment									Aggregated Items Title: Education Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.25) N. Anechoic Chamber System ^(†)	A		-	-	-	-	-	-	176,000.00	1	0.176	-	-	-	-	-	-	-	-	
1.26) Q. Field House Scoreboard ^{(36)(†)}	A		-	-	-	-	-	-	-	-	-	426,000.00	1	0.426	-	-	-	426,000.00	1	0.426
1.31) F. Palo Alto 5250 ^(†)	A		-	-	-	291,000.00	1	0.291	-	-	-	-	-	-	-	-	-	-	-	
1.32) E. Laser Doppler Velocimeter (LDV) Laser ^(†)	A		-	-	-	273,000.00	1	0.273	-	-	-	-	-	-	-	-	-	-	-	
1.33) H. Sodic Wire EDM Machine ^(†)	A		-	-	-	-	-	-	256,000.00	1	0.256	-	-	-	-	-	-	-	-	
<i>Subtotal: 1) U.S. Naval Academy (USNA)</i>			-	-	4.820	-	-	2.319	-	-	2.253	-	-	2.256	-	-	-	-	-	2.256
2) Sustain Hopper Hall Technology																				
2.1) HOPPER - Underwater Motion Capture System for Hopper Hall SURF ^(†)	A		-	-	-	-	-	-	400,000.00	1	0.400	-	-	-	-	-	-	-	-	
2.2) HOPPER - Above water motion capture system for Hopper Hall SURF ^(†)	A		-	-	-	-	-	-	400,000.00	1	0.400	-	-	-	-	-	-	-	-	
2.3) HOPPER - Above water motion capture system for Hopper Hall AerTeMis ^(†)	A		-	-	-	-	-	-	350,000.00	1	0.350	-	-	-	-	-	-	-	-	
2.4) HOPPER - ECE Anechoic Chamber Lab / System ^(†)	A		-	-	-	-	-	-	350,000.00	1	0.350	-	-	-	-	-	-	-	-	
<i>Subtotal: 2) Sustain Hopper Hall Technology</i>			-	-	0.000	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	
Total			-	-	4.820	-	-	2.319	-	-	3.753	-	-	2.256	-	-	-	-	-	2.256
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
(31) New Start in FY21 of \$300K. Backup System Replacement																				
(32) Pelletron Accelerator Replacement: New start in FY21 of \$466K. Replaces an existing Pelletron Accelerator and associated support equipment acquired FY 1988. The device permits study and experimentation in the area of nuclear physics.																				
(33) Electric Dynamometer: New start in FY21 of \$252K. Provides capability for study of motoring engines. Permits improved engine control along with data acquisition and processing capability for the determination of friction horsepower and other metrics vital to student understanding of diesel and turbine propulsion engines.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1	P-1 Line Item Number / Title: 8101 / Training and Education Equipment	Aggregated Items Title: Education Support Equipment
(34) Food Service Equipment: Funding in FY21 of \$357K provides for replacement of various food preparation and related galley equipment in support of meal services benefitting USNA's 4400-member Brigade of Midshipmen.		
(35) Arena Scoreboard: Funding in FY21 of \$455K. Provides for lifecycle replacement of Wesley Brown Fieldhouse scoreboard used for indoor track and other sports originally acquired FY 2008. The system provides capability of multi-media scoring and video replay in support of NCAA and league		
(36) Field House Scoreboard: Funding in FY21 of \$465K provides for lifecycle replacement of the Fieldhouse scoreboard for sports events. Originally acquired FY 2008, the system provides capability of multi-media scoring and video replay in support of NCAA and league requirements.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8101 / Training and Education Equipment					Aggregated Items: Education Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) U.S. Naval Academy (USNA)												
1.1) O. Backup System Replacement ⁽³¹⁾		2021	DELL/EMC/CDW-G / UNKNOWN	C / FP	FLC, Norfolk	Mar 2021	Apr 2021	1	300,000.00	N	Jun 2021	
1.2) B. Advanced Computing Cluster Replacement		2019	Penguin Computing / c/fp	C / FP	FLC, PHILADELPHIA	Feb 2019	Mar 2019	1	328,000.00	N	Mar 2019	Sep 2018
1.6) R. Pelletron Accelerator Replacement ⁽³²⁾		2021	TBD / TBD	C / FP	FLC, Norfolk	Dec 2020	Jan 2021	1	466,000.00	N	Apr 2021	Sep 2020
1.7) S. Electric Dynamometer ⁽³³⁾		2021	TBD / TBD	C / FP	FLC, Norfolk	Dec 2020	Jan 2021	1	252,000.00	N	Apr 2021	Sep 2020
1.11) G. Auditorium Sound System Replacement		2019	TBD / TBD	C / FP	FLC, PHILADELPHIA	Sep 2019	Oct 2019	1	259,000.00	N	Sep 2019	Mar 2019
1.13) J. Microscale Thermal Transport Replacement		2020 ⁽³⁷⁾	TBD / TBD	C / TBD	FLC, PHILADELPHIA	Nov 2019	Nov 2019	1	313,000.00	N	Jun 2020	Aug 2019
1.14) C. Enterprise Network Upgrades		2019 ⁽³⁸⁾	Unknown / Unknown	C / FP	FLC, Norfolk	Dec 2018	Jan 2019	1	768,000.00	N	Sep 2018	Sep 2018
1.14) C. Enterprise Network Upgrades		2020 ⁽³⁹⁾	Unknown / Unknown	C / TBD	FLC, PHILADELPHIA	Nov 2019	Dec 2019	1	958,000.00	N	Feb 2020	Oct 2019
1.16) D. Food Service Equipment ⁽³⁴⁾		2019 ⁽⁴⁰⁾	Unknown / Unknown	C / FP	FLC, Norfolk	Jun 2019	Jul 2019	1	300,000.00	N	Aug 2019	Oct 2018
1.16) D. Food Service Equipment ⁽³⁴⁾		2021 ⁽⁴¹⁾	Unknown / Unknown	C / FP	FLC, Norfolk	Nov 2020	Dec 2020	1	357,000.00	N	Feb 2021	Aug 2020
1.17) P. Arena Scoreboard ⁽³⁵⁾		2021	Unknown / Unknown	C / FP	FLC, Norfolk	Mar 2021	Apr 2021	1	455,000.00	N	Jun 2021	Dec 2020
1.18) A. Universal Wireless Telecommunications System: DAS Cellular		2019	Multiple Sources(Verizon, Sprint,ATT) / c/fp	C / TBD	FLC, Norfolk	Dec 2018	Jan 2019	1	100,000.00	N	Mar 2019	Sep 2018
1.18) A. Universal Wireless Telecommunications System: DAS Cellular		2020	Multiple Sources(Verizon, Sprint,ATT) / c/fp	C / TBD	FLC, Norfolk	Mar 2020	Apr 2020	1	250,000.00	N	Jun 2020	Nov 2019
1.24) G. Asset Management System (AMS)		2020	UNKNOWN / UNKNOWN	C / FP	FLC, Norfolk	Mar 2020	Apr 2020	1	300,000.00	N	Jun 2020	Dec 2019
1.25) N. Anechoic Chamber System		2020 ⁽⁴²⁾	UNKNOWN / UNKNOWN	C / TBD	FLC, PHILADELPHIA	Nov 2019	Dec 2019	1	176,000.00	N	Jun 2020	Aug 2019
1.26) Q. Field House Scoreboard ⁽³⁶⁾		2021	New MFG - Name / New MFG - Loc	C / FP	FLC, Norfolk	Nov 2020	Dec 2020	1	426,000.00	N	Mar 2021	Jul 2020
1.31) F. Palo Alto 5250		2019 ⁽⁴³⁾	Unknown / Unknown	C / FP	FLC, PHILADELPHIA	Feb 2019	Mar 2019	1	291,000.00	N	May 2019	Jan 2019
1.32) E. Laser Doppler Velocimeter (LDV) Laser		2019	TSI Incorporated / uKNOWN	C / FP	FLC, Norfolk	Aug 2019	Sep 2019	1	273,000.00	N	Dec 2018	Jun 2019
1.33) H. Sodic Wire EDM Machine		2020	Unknown / Unknown	C / FP	FLC, Norfolk	Oct 2019	Nov 2019	1	256,000.00	N	Jan 2020	Jul 2019

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 1			P-1 Line Item Number / Title: 8101 / Training and Education Equipment					Aggregated Items: Education Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2) Sustain Hopper Hall Technology												
2.1) HOPPER - Underwater Motion Capture System for Hopper Hall SURF		2020	Unknown / Unknown	C / FP	FLC, PHILADELPHIA	Nov 2019	Dec 2019	1	400,000.00	N	Jun 2020	Aug 2019
2.2) HOPPER - Above water motion capture system for Hopper Hall SURF		2020	Unknown / Unknown	C / TBD	FLC, PHILADELPHIA	Nov 2019	Dec 2019	1	400,000.00	N	Jun 2020	Aug 2019
2.3) HOPPER - Above water motion capture system for Hopper Hall AerTeMis		2020	Unknown / Unknown	C / FP	FLC, Norfolk	Nov 2019	Dec 2019	1	350,000.00	N	Aug 2019	Aug 2019
2.4) HOPPER - ECE Anechoic Chamber Lab / System		2020	Unknown @Unknown / Unknown	C / FP	FLC, Norfolk	Nov 2019	Dec 2019	1	350,000.00	N	Jun 2020	Aug 2019

Footnotes:

(37) Funding provides for replacement of physical apparatus for propulsion laboratory study of nano-technology based heat transfer and thermal sciences acquired FY 2010. This capability permits measurement and demonstration of electromagnetic (thermal) processes at the nano-technology level critical to naval propulsion technology.

(38) Multiple vendors Dell, CISCO, Brocade

(39) Funding provides for: Permits modular, phased upgrades, replacement, and modernization of the Academy's enterprise computing network to maintain currency with changing industry standards and user demands. Provides for replacement of aging switches and routers used to direct data communication traffic across fiber optic cables to various places throughout the enterprise.

(40) Commercial Equipment, Vendors Vary

(41) Commercial Equipment, Vendors Vary

(42) Funding provides for Antenna testing chamber to replace current system in RI-061 which is custom built into the building and cannot be relocated. Used by Midshipmen in pursuit of majors, electives and research.

(43) Multiple Vendors (Verizo, Sprint, ATT)

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment										P-1 Line Item Number / Title: 8106 / Command Support Equipment			
ID Code (A=Service Ready, B=Not Service Ready): A										Program Elements for Code B Items: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	246.922	68.736	94.622	32.390	0.000	32.390	24.518	25.390	21.133	22.140	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	246.922	68.736	94.622	32.390	0.000	32.390	24.518	25.390	21.133	22.140	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	246.922	68.736	94.622	32.390	0.000	32.390	24.518	25.390	21.133	22.140	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	0.006	0.007	0.007	-	0.007	0.007	0.008	0.006	0.006	Continuing	Continuing	
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: The FY 2021 funding request was reduced by \$5.011 million to account for availability of prior year execution balances.													
This line provides for new and systematic replacement of investment items required in support of the operational mission of the Navy's claimancy. Procurement of Command Support Equipment throughout the Navy involves the purchase, replacement and upgrade of various pieces of equipment such as Cable Replacements and the purchase, repair, and upgrade of IT Infrastructure and Security Systems. This equipment is an integral part of the programs to improve the fleet and shore establishment by maintaining or expanding existing capabilities or replacing ineffective units.													
[P40A / NCIS Data Modernization & Analytical Tools]: The NCIS mission is to support the day-to-day operations to Prevent Terrorism, Protect National Secrets, Reduce Crime across the Department of Navy and Marine Corps, and comply with DON Mandates. NCIS IT Programs and Technical Support are essential to fulfill its mission as designated by SECNAVINST 5430.107. NCIS IT services have a direct impact on security and monitoring of IT systems as defined in DOD 8500.02. These services help to reduce the risk of system security vulnerabilities.													
[P40A / OCHR - Human Resource IT system]: Information technology (IT) system support for over 204,000 civilians at more than 1,340 naval activities throughout the world. These systems are the core of human resource support for the Department of the Navy. The OCHR Systems Division has the responsibility to implement, sustain, and support the hardware, software, systems and applications, functional administration, and communications infrastructure in accordance with the Department of Navy Chief Information Office, Naval Network Warfare Command, Navy Marine Corp Intranet, and DOD Civilian Personnel Management Services mandates, directives, and policies.													
[P40A / FIP]: Formed in response to Congressional mandates for Navy-Marine Corps and the rest of the Defense Department to achieve financial auditability. The FIP is a Department-wide multi-year change management effort which requires fundamental improvements to processes and systems as well as to the business culture to implement those strengthened internal controls.													
[P40A / Electronic Military Personnel Record System (EMPRS)]: Electronic Military Personnel Record System (EMPRS):													
Electronic Military Personnel Record System (EMPRS) is an electronic document/image based system that serves as the repository for all Department of Navy (DoN) official military personnel record images (over 170 million images). It supports retired, active, and reserve military personnel in the functional areas of selection board operations, casualty management, mobilization, veteran benefits (providing automated Sailor information to the Veterans Administration) and other military personnel management functions. EMPRS annually supports over 150 statutory and administrative selection boards, providing over 12 million service record images, covering promotions, assignments, and retention. References: Title 10 & 44, U. S. Code and Title 36, CFR (Record Management Requirements), DoD Directive 5015.2													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8106 / Command Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
OPN funding provided allows us to use an acquisition strategy that is both cost efficient and effective. This strategy sustains the EMPSR program throughout the FYDP, providing technology refreshment (TR) throughout the years (evolutionary) as opposed to a TR every 8 years. This provides vital upgrades in a more timely manner. An 8 year refresh cycle of IT would require reliance on old system and software, by IT standards, that frequently result in compatibility issues as new systems and software are fielded, thus driving up sustainment costs. Evolutionary technical refreshment is a more cost effective strategy.		
[P40A / Workstations (Sel Board):] Electronic Military Personnel Record System (EMPSR) is an electronic document/image based system that serves as the repository for all Department of Navy (DoN) official military personnel record images (over 170 million images). It supports retired, active, and reserve military personnel in the functional areas of selection board operations, casualty management, mobilization, veteran benefits (providing automated Sailor information to the Veterans Administration) and other military personnel management functions. EMPSR annually supports over 150 statutory and administrative selection boards, providing over 12 million service record images, covering promotions, assignments, and retention. References: Title 10 & 44, U. S. Code and Title 36, CFR (Record Management Requirements), DoD Directive 5015.		
[P40A / Peripherals]: Peripherals represent auxiliary and infrastructure components that make up and are associated with the EMPSR system, which supports the Navy's selection board processes for all Officer and senior enlisted personnel (E7 & above). EMPSR is the major information system which is mutually supported by infrastructure to conduct 160 selection boards on an annual basis. Peripherals include items such as removable walls within boardrooms that function as display screen for military personnel record display, keyboards, printers, monitors, mice for workstations in the boardrooms, etc.		
[P40A / Data Center Consolidation (DCC):] Data Center Consolidation (DCC) Data Center and Application Optimization provides sustainment of data center hardware, software, and licenses for established Component Enterprise Data Centers (CEDCs) and other approved hosting locations as part of the Department of Defense's Information Technology efficiency for the Manpower, Training, and Education (MPT&E) Data Center footprint. The Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement will be implemented by MPT&E along with application hosting costs, continues with consolidation and application migration efforts, and ensure that systems are modernized to sustain security requirements of Navy information and data residing within applications and data centers. No significant decrease from FY20 to FY21.		
[P40A / Electronic Security System (ESS) Replacement/Upgrade]: Electronic Security System (ESS) Replacement/Upgrade An integrated, open-architecture, non-proprietary digital replacement and/or upgraded corrections/detention-grade electronic security management system. Purchases to include but not limited to: New infrastructure; Multiple CCTV camera monitoring; On-line recording systems; Redundant server/workstation/client fail-over capabilities; VOIP Intercommunication & Paging Audio System; CCTV state-of-the-art, solid state, IP (Internet Protocol) cameras; NVR Recording System Network Video Recorders (NVRs); Integration of CCTV systems to other Brig sub-systems; Access Control System; Proximity-type cards and contactless readers; Integration of the access control system and other facility security control subsystems; Radio Frequency Identification Tracking System; Personal Duress and Alarm System; Personal Digital/ Detention Assistant for staff with 802.11 Wi-Fi connectivity; and other requirements necessary to replace/upgrade to a fully functional and integrated Electronic Security System.		
[P40A / System - Crisis Announcement]: The U.S. Naval War College (NWC) requires a distributed control crisis mass emergency real time assisted voice evacuation and mass communication system within the NWC complex to comply with published safety standards. The required installation will enable NWC security and leadership personnel to operate a supervised and distributed, integrated compound wide system of emergency response. This system will provide an announcement system for the College to mitigate additional emergency situations such as active shooter, bomb threats and other threat scenarios. The required system would assist in the protection of life and property by indicating the existence of an emergency situation and providing "real time" instructions to a large number of people whether inside a building or spread out the NWC complex and surrounding area on Newport Naval Station. As a host of International Senior Officers and numerous U.S. dignitaries, both military and civilian, the Naval War College lacks the capability coordinate the responses of the 1,500 personnel on campus.		
[P40A / MPTE Core Transformation]: Faced with complex challenges to efficiently and effectively attract, develop, and retain Navy Sailors, the Department has prepared an MPT&E Transformation plan to combat threats to mission readiness. The strategic vision and desired end-state of the endeavor is a holistic modernization of models, processes, and information technology, to dramatically improve the quality of MPT&E service delivery. There are too many Legacy IT Systems, an overly complex data management system, and limited Sailor-Self-Service options with no mobile access. The IT Transformation will focus on two primary strategies: maximizing the utilization of commercial-off-the-shelf (COTS) technologies and the implementation of cloud based technologies. Together these two approaches will improve both the service to Sailors and to Fleet readiness, reduce our technology footprint and increase accountability and audit readiness.		

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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
In accordance with the MPT&E transformation plan, legacy systems will be replaced by modern and robust solutions that better support Navy's ability to execute its mission and efficiently allocate its resources. The Department will provide the access, schematics, and other pertinent information regarding the existing architecture, artifacts, and visualizations to enable this transformation. Migrating the data housed within these disparate systems to centralized, COTS-configured applications will reduce costs, eliminate redundancy, and streamline processes in accordance with the goals set forth in the transformational effort strategy. Four projects are the cornerstones of the Navy / N1 Transformation strategy: <ul style="list-style-type: none">- The Navy Personnel and Pay System (NP2) includes Navy Personnel and Pay Standard modernization and the collapse of Legacy Manpower System functionality.- Single Point of Entry (SPOE) for Sailor self-service is composed of My Navy Portal (MNP), Identity and Access Management (IdAM), a Customer Relations Management (CRM) solution, and centralized and standardized customer service center (The MyNavy Career Center(MNCC)).- Learning Stack (LS) improves the accessibility, sophistication, and collaborative nature of educational outreach.- Authoritative Data Environment (ADE) will enable the collapse of 9 legacy data warehouses into a single, authoritative source of data truth for Sailors and Navy decision makers. Additionally, ADE will enable modern data analytics and business intelligence capabilities. All of the technology solutions will leverage hyper scale cloud based services in order to provide secure, accessible and cost effective business IT.		
[P40A / MPTE Core Transformation PeopleSoft Licenses]: PeopleSoft 9.2 licenses in support of NP2 consolidation (MPTE CORE Transformation)		
[P40A / Converged ERP]: Converged Enterprise Resource Planning: The Navy Enterprise Resource Planning (ERP) solution is an integrated business management system that modernizes and standardizes Navy's business processes. Navy ERP utilizes best commercial practices to provide real-time information exchange, unprecedented financial and asset visibility, and improved reporting and decision-making capabilities across key acquisition, financial, and logistics operations. Navy ERP is the tool chosen to meet Congressional mandates to establish and maintain federal financially compliant management systems, federal accounting standards, and U.S. Government General Ledger procedures at the transaction level. The Navy ERP foundation to achieve enterprise-wide business transformation is accomplished through two releases: the Financial/Acquisition Solution and the Single Supply Solution.		
The project acquires standard applications servers (ADP hardware) which are hosted in a Navy Data Center at NAS Patuxent River to support ERP software for the Navy Converged ERP Program. Funding reflects procurement of Government Furnished Equipment (GFE) hardware, software, and licenses in support of the SAP enterprise system environment for the Navy ERP Program. As the program transitions to Infrastructure as a Service, procurement is no longer required in the outyears for end of life refresh.		
[P40A / Ashore Equipment]: NSIPS/NP2 is the Navy's world-wide system for the field level input of personnel and pay transactions. NSIPS/NP2 supports active duty and reserve users ashore through a single web site, and on approximately 125 ships. NSIPS/NP2 collects, validates, processes and transfers the data necessary to ensure accurate and timely pay and maintenance of personnel records.		
NSIPS/NP2 is a modern, cost-effective human resources capability that fully integrates business processes, tools, and authoritative data to manage the military workforce. NSIPS/NP2 systematically modernizes the Navy's personnel and pay processes and systems.		
The Navy Manpower, Personnel, Training and Education (MPT&E) enterprise is urgently transforming the way it operates to improve enterprise performance and quality of life for the Sailor at a fraction of today's costs. Migration of system hosting to the cloud environment will technically enable the MPT&E enterprise to match the speed of technological change and meet changing global operational commitments while maintaining sustainable costs. Additionally, the Office of the Under Secretary of Defense (Comptroller) has developed auditable disbursement and collection processes and data standards to comply with the Treasury mandate and to improve financial processes and eliminate errors at the source. Pay and personnel transformation will require additional software licenses that support the underlying business process changes. NP2 will evolve to an integrated personnel and pay solution as part of the MPT&E transformation.		

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Line Item MDAP/MAIS Code: N/A		
<p>[P40A / Electronic Procurement System (ePS)]: ELECTRONIC PROCUREMENT SYSTEM (ePS): The electronic Procurement System (ePS) is the Department of the Navy's (DON) End-to-End (E2E) Contract Writing System (CWS). It will provide the Navy and Marine Corps contracting community with full contract writing management capability and facilitate integration with federally mandated systems, DON financial systems, and industry. ePS will utilize Department of Defense (DoD) standards and support auditability. ePS will address existing CWS challenges including outdated architecture, limited capabilities, scalability concerns, and existing legacy systems.</p> <p>Full deployment of the ePS ensures DON's compliance with the following legislative mandates: writing and management of all contracts in congressionally approved computer systems (Section 862 of the National Defense Authorization Act (NDAA) of 2013); central management and oversight of all DoD business (10 U.S. Code (U.S.C.) Section 2222); and contracting actions must be fully auditable and traceable (Section 1003 of the NDAA 2010 & Office of the Secretary of Defense (OSD) Financial Improvement and Audit Readiness (FIAR) Guidance).</p> <p>[P40A / Maritime Operations Center (MOC) Procurement]: MOC delivers Navy Command and Control (C2) capabilities at the Operational Level of War (OLW) that guide execution of the six (6) core capabilities of the Navy as outlined in the Cooperative Strategy for 21st Century Seapower (Forward Presence and Partnership (HADR, All Domain Access, Deterrence, Sea Control, Power Projection, Maritime Security) through the full range of military operations (ROMO). The MOC initiative focuses on improving the Navy's OLW C2 by establishing baseline capabilities in globally-networked MOCs enabling Numbered Fleet and Navy Component Commanders (NFC/NCC) to assume a range of Service and Joint roles while continuing to accomplish traditional Fleet management functions. The MOC construct enhances C2 of Navy forces at the operational level through headquarters manned by individuals qualified in joint operational-level staff processes and enabled by globally interoperable Command, Control, Communications, Computers, and Intelligence (C4I) systems. MOCs provide organizational consistency, the scalability and flexibility to transition between various command roles, and enhanced global networking among Navy and Joint organizations. The desired end state/goal of the system-of-systems methodology embodied in each of the nine (9) MOCs is to achieve globally-networked operational-level C2 decisions by NCC, Joint Force Maritime Component Commanders (JFMCC) and Commanders of Joint Task Forces (CJTF). Focused acquisition of standard and common suites of systems (from the existing base of Navy, Army, Air Force and joint Programs of Record (PORs) and non-PORs) facilitates successful accomplishment of designated Joint Mission-Essential Tasks (JMETS) aligned to Joint Capability Areas (JCAs) and in support of Combatant Commander Theater objectives.</p> <p>This system of systems approach aims to achieve effective, agile, networked and scalable MOCs, employing common doctrine, standardized processes and common C4I systems. Each MOC will be able to operate within a common organizational construct in various roles (joint, interagency and combined). The global network and commonality enable both reach-back and load-sharing across all MOCs within a Navy enterprise network to include Ballistic Missile Defense (BMD) networks. There are currently The eight (8) MOCs consisting of nine (9) sites (seven (7) ashore and two (2) afloat) including each of the numbered Fleets (Commander Third Fleet (C3F); Commander Fourth Fleet (C4F); Commander Fifth Fleet (C5F); Commander Sixth Fleet (C6F) ashore and forward afloat; Commander Seventh Fleet (C7F); Commander Tenth Fleet (C10F); Commander Pacific Fleet (COMPACFLT); and U.S. Fleet Forces Command (COMUSFLFORCOM) NCCs. With the pending reestablishment of Commander Second Fleet (C2F), an additional MOC will be required with similar POR and non-POR capabilities currently deployed to other MOC locations.</p> <p>[P40A / CNIC]: Smart Grid System provides the ability to centrally monitor, manage, and control energy supply and distribution as well as helps to sustain lower cost of shore operations gained through identification and execution of energy efficiency projects. To attain the Navy's Shore Energy Security Goals, funding will be used to support the procurement of the software and equipment suite to connect advanced metering infrastructure (AMI) with building energy controls across various Navy installations via a secure IT network connection.</p> <p>This procurement provides full capability consisting of hardware, software, integration, & operator training necessary to aggregate data from thousands of disparate control systems into a centralized and secure data management system. It provides the operator(s) transparency of the operational condition of building and utility infrastructure and includes advanced analytics that enable timely action for preventive maintenance, prevention of disruption in operations and support of condition based maintenance, supporting mission assurance and bringing further operational savings. Smart Grid is a regional capability that centralizes energy management for multiple bases at each of nine (9) regions. Two of those regions currently have partial Smart Grid capability but need upgrades to achieve the full capability. Regions are prioritized as follows: (1) Fleet concentration areas and mission assurance (cyber security) - MIDLANT (FY16 1st article test), Hawaii, South West, Marianas, South East (2) OCONUS - EURAFSWA, Far East (3) Upgrade (backfit) existing Smart Grids - NDW, Northwest</p>		

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Line Item MDAP/MAIS Code: N/A		
[P40A / United States Fleet Forces Command]: The procurement of Command Support Equipment involves the purchase, replacement and upgrade of various types of equipment, to include, but not limited to, critical cable plant repair / upgrade, voice, video, and data infrastructure and security disintegrators/systems at 114 world-wide Base Communications Office (BCO) sites throughout the Pacific and Atlantic areas of responsibility.		
17.2 - Command, Control, Communications, Computers, and Intelligence (C4I) for Wahia: Navy Information Operations Command, Hawaii (NIOC HI) conducts and provides support to information warfare, cyber, signals intelligence, Information Operations (IO) and electronic warfare mission. Funds support Sensitive Compartmented Information Facility (SCIF) space for three (3) Cyber Protection Teams. The SCIF space at NIOC HI is current inadequate and does not meet requirements.		
17.3 - C4I/IT Equipment Naval Computer and Telecomm Atlantic: Funds support planning, design, relocation, procurement, and installation of Command, Control, Communications, Computers and Intelligence/Information Technology (C4I/IT) equipment to new Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMSLANT) Facility.		
17.4 - NCTAMS Det Rota Spain C4I: Funds support planning, design, relocation, procurement, and installation of C4I and Information Technology (IT) equipment to the new Naval Computer and Telecommunications Station LANT, Det Rota Spain. In addition to the planning, design, relocation, procurement, and installation of C4I, funds will specifically support: DISA Transport, Electronic Security System (ESS), C4I Distribution Cabling, Joint Worldwide Intelligence Communications System (JWICS), and a Visual/Collaboration System (VCS).		
17.5 - Command, Control, Communications, Computers, and Intelligence (C4I) for NAS Sigonella Communications Center: Funds support Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) at communications center NAS Sigonella. The new P-130 facility will provide increased mission efficiency and the flexibility to accommodate future missions.		
17.6 - NCTAMS Det Souda Bay - Comms Center: Naval Computer and Telecommunications Area Master Station Atlantic Detachment (NCTAMS LANT DET) Souda Bay provides voice, video, and data services to NSA Souda Bay. These services include Defense Switch Network, commercial voice, and Non-secure Internet Protocol Router Network (NIPRNET) and Secure Internet Protocol Router Network (SIPRNET) services. National Airborne Operations Center officially uses NSA Souda Bay to support its operations and requires a strong level of communications support. The airfield, port, several NATO facilities, and geographical location make NSA Souda Bay an support location for many exercises, both NATO and U.S. hosted.		
17.8 - Base Communications Office (BCO) Infrastructure Replacement (Cable & Equipment): Base Communications Office (BCO) provides telecommunications services to include the transport of voice, video and data information at 114 world-wide sites. The BCO is responsible for the daily operations and maintenance of Base Telecommunication services, devices and systems. The funding will allow for immediate repair of cable/equipment. It provides the ability to respond to casualties and to upgrade when necessary for BCOs.		
17.9 - Electrical Power Systems: Funds support procurement, installation, and replacement of generators and Uninterruptible Power Supply (UPS) systems to provide highly reliable, continuous, high quality power subsystems. The operational load is designated as "critical" and requires UPS Systems for instantaneous application in case of loss or disturbance of the primary power source.		
17.10 - Defense Red Switch Network Replacement (DRSN): Funds support procurement and installation of five (5) new DSS-2A red switch systems. Must replace obsolete Defense Red Switch Network (DRSN) switches to maintain operation of Navy DRSN sites. DRSN is the only secure voice system that provides a single user desktop platform Integrated Services Telephone (IST) that allows interface/access to multiple strategic and tactical secure voice systems.		
17.12 - Mobile User Objective System (MUOS): This is a one time procurement in FY21. Funds support Mobile User Objective System (MUOS) Satellite Communication (SATCOM) Telemetry, Tracking, and Command (TT&C) resiliency.		
17.13 - Navy Cyber Defense Operations Command (NCDOCs) Classified and Unclassified Networks: This is a one time procurement in FY21. Funds support a technical upgrade for networks at Navy Cyber Defense Operations Command (NCDOC). It is required to maintain databases that provide critical information for analysts that discover, evaluate, and prevent cyber-attacks against all Naval Networks.		
20.1 - European Deterrence Initiative (EDI): Funds support the initial C4I outfitting six (6) MILCON projects.		

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Line Item MDAP/MAIS Code: N/A		
[P40A / [USFFC] INFOCON 3 - Security Compliance]: Starting in FY21, INFOCON 3 Security Compliance funding realigned to budget line item 8645, an approved Cyber Mission Resource line.		
[P40A / [USFFC] C4I for P-013 Wahiawa]: FY21 funds provided for of Command, Control, Communications, Computers and Intelligence/Information Technology (C4I/IT) equipment for three (3) Cyber Protection Teams in the Sensitive Compartmented Information Facility (SCIF) space.		
[P40A / [USFFC] P-913 C4I/IT Equipment Naval Computer and Telecomm Atlantic]: FY21 funds support planning, design, relocation, procurement, and installation of Command, Control, Communications, Computers and Intelligence/Information Technology (C4I/IT) equipment at Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMSLANT).		
[P40A / [USFFC] C4I Equip Naval Computer and Telecomm Station Det Rota Spain]: FY21 funds support the planning, design, relocation, procurement, and installation of mission related Command, Control, Communications, Computers, and Intelligence (C4I) and Information Technology (IT) equipment at Naval Computer and Telecommunications Station LANT, Det Rota Spain. Naval Station Rota is responsible for providing secure and reliable classified and unclassified voice, messaging, video, and data telecommunication to Forward Deployed Naval Forces. Communication outage risks are attributed to degraded facility conditions and flooding.		
[P40A / [USFFC] NAS Sigonella - Comms Center]: FY21 funds provided for the installation of Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) at communications center NAS Sigonella. The existing NAVCOMTELSTA Sicily building is no longer suitable due to not having a Sensitive Compartmented Information Facility (SCIF), which must be used to process Top Secret (TS) information. The new P-130 facility will accommodate future TS requirements.		
[P40A / [USFFC] NCTAMS Det Souda Bay - Comms Center]: FY21 funds provided for Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) at NCTAMS Det Souda Bay. NCTAMS LANT Det Souda Bay will continue to experience an increase in network and communication responsibilities as the missions of the existing tenant commands on the base slowly increase. The difficulties with inefficiencies and overcrowding may result in compromise to communications operations. New facilities will minimize the risk of a successful terrorist attack originating from the base perimeter. Funds will procure the following: Automated Info Systems, Command, Control, Communications, Computers, and Intelligence (C4I), Distribution Cabling, Cyber Protection Team, and Equipment Racks.		
[P40A / [USFFC] BCO Infrastructure Replacement (Cable & Equipment)]: FY21 funds support infrastructure upgrades for Base Communications Office (BCO) operations. Current optical backbone infrastructure will not support Assured Services LAN (ASLAN) in accordance with DOD Unified Capability Requirements (DOD UCR 2008) allowing converged distribution of voice, video, and data services to include redundancy and diversity of critical Command and Control (C2) and special C2 infrastructure. This results in C2 buildings being single-threaded and at great risk of potential loss of service in a catastrophic event. Key users who will lose connectivity include the National Command Authorities, Combatant Commanders of the Unified Commands, and strategic and tactical subordinate commanders.		
[P40A / [USFFC] Electrical Power Systems]: FY21 funds support procurement of spare parts and materials for emergency power equipment, generators and Un-interrupted Power Source/System (UPS) and high Frequency Global Communications System to execute primary mission areas such as Anti-Submarine Warfare (ASW), Ballistic Missile Defense (BMD) and Maritime Operations Centers (MOCs).		
[P40A / [USFFC] Defense Red Switch Network Replacement]: FY21 funds provided to procure and install new DSS-2A red switch systems and replace obsolete Defense Red Switch Network (DRSN) switches to maintain operation of Navy DRSN sites.		
[P40A / [USFFC] Mobile User Objective System (MUOS)]: FY21 funding provided for Mobile User Objective System (MUOS). MUOS is a secure ultra-high frequency (UHF) satellite communications (SATCOM) system for mobile forces. The system enables worldwide secure simultaneous video, voice, and data transfer to mobile military forces.		
[P40A / [USFFC] NCDOCs Classified and Unclassified Networks]: Funds support a one-time hardware and software upgrade to classified and unclassified networks (SIPR and NIPR) at Navy Cyber Defense Operations Command (NCDOC). The upgrades will ensure full efficient operation of the Exadata Engineered System and timely detection of cyber-attacks and to malicious actions against Naval Networks.		
[P40A / [USFFC] European Deterrence Initiative]: FY21 funding provided for procurement of initial C4I non-portable equipment outfitting for two (2) MILCON projects: P695 Joint Mobility Center (\$900K) and P716 In-Transit Munitions Facility (\$100K).		

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[P40A / Undersea Warfare Decision Support System - CNE]: NAVFUR Undersea Warfare Decision Support System. Funds will provide for procurement of MD-1324 modem and two systems installs at HQ MOC CTF-69 and CTF-67 for P3-8 Integration. Details held at a higher classification.		
[P40A / U.S. Pacific Fleet]: The U.S. Pacific Fleet utilizes Command Support procurement funds for the purchase of equipment in support of Fleet Operations in the Pacific AOR.		
[P40A / ADE]: Authoritative Data Environment (ADE) is aimed at transitioning the current project based ADE into a full enterprise solution that is based on modern IT service models and cloud hosting technology. The MPT&E Transformation initiative will consolidate multiple legacy data warehouses and stream that data through a single, authoritative environment. This will advance data analytics and visualization capabilities, and add common platform services in a big data environment that is consistent with private industry. This acceleration toward a true Navy-wide personnel authoritative data environment is a transformational increase in capability for decision support and improving personnel readiness.		
[P40A / Aviation Support Equipment]: The Aviation Support Equipment utilizes Command Support procurement funds for the purchase of equipment in support of Fleet Operations.		
[P40A / CCTV Procurement RTC Great Lakes]: The CNO approved the installation of Closed Circuit Television (CCTV) camera systems at RTC to enhance safety, promote deterrence, and provide recorded documentation but no additional funding was received. This initiative supports CNPs POM-21 priority to Man the Fleet. CCTV at RTC will provide a safe training environment to the future sailors of the Navy. This is also reiterated in A Cooperative Strategy for 21st Century Sea Power in the statement: CCTV will enhance the safety, security, and quality of professional and personal life for our Service members, civilians, and families. The \$172K is incremental at the time being, total cost is approximately \$10M. Funding the CNOs strategy of enhancing the safety, security, and quality of professional and personal life for our Service members, civilians, and families.		
[P40A / CCTV Design, Procurement, Installation, Testing]: Funding is provided for CCTV Design, Procurement, Installation and testing at RTC Great Lakes.		

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Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Command Support Equipment	P-5a, P-21			- / 246.922	- / 68.736	- / 94.622	- / 32.390	- / -	- / 32.390
P-40	Total Gross/Weapon System Cost				- / 246.922	- / 68.736	- / 94.622	- / 32.390	- / 0.000	- / 32.390

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2020 to FY 2021 budget decrease of \$62.232M is due to the following:

NCIS Data Modernization & Analytical Tools (-\$1.591M)

Funding required to support components of NCIS' NJIS Scanning, Tactical Network and VTC infrastructure initiatives. As the DON begins the roll-out of NJIS, NCIS has a requirement to deploy a variety of high speed scanning capabilities across the enterprise to capture investigative data. NCIS is under development to host critical investigative and operational capabilities which will provide a secure and private environment that allows the investigative technical components of the organization to conduct their mission more efficiently. A number of investigative tools and techniques will leverage this tactical network to include Investigative Cyber Security; Technical Services; Cyber, Technical Surveillance Counter Measures (TSCM), Tech Services, Bio-Metrics, etc. Currently, these capabilities are scattered across separate networks and are not integrated or available to the agency as a whole. Furthermore, NCIS' conference rooms and Leadership Desktop Units are reaching end-of-life and replacement of these systems will give NCIS the capabilities to securely communicate about ongoing investigative and operational sensitive cases to support mission requirements. FY 21 funding increase supports the purchase of IT equipment required for the NCIS Virtual Operations Center (VOC). Details of the VOC are held at a higher classification.

Office of Civilian Human Resources (OCHR): Human Resources IT System (+\$0.009M)

Funding supports the production and modernization of Human Resources Civilian Personnel (HRCP) in support of DON HR Enterprise Systems. Ensures DON HR Enterprise systems meet DOD and DON modernization efforts, technical refresh of past-shelf-life infrastructure supporting HRCP, and planned HRLINK licensing expansion in compliance with Enterprise Service License (ESL) mandates to DON Functional Communities.

DON Financial Improvement Program (FIP) (+\$1.276M)

Federal Information System Controls Audit Manual (FISCAM) resourcing requirements are growing as an increasing number of deficiencies are identified due to non-compliance with financial audit standards resulting from inadequate internal controls among DON business processes and IT systems. FIP supports the procurement of additional modules/ capabilities to improve the Navy ERP user experience and actions to correct deficiencies found in the FISCAM audit.

Data Center Consolidation (DCC) funding is for the continued procurement of servers (encompassing both hardware and software components), ancillary equipment associated with the servers (racks, cables, switches, etc.), and integration and installation efforts as needed to meet additional hosting requirements as consolidated applications are hosted in approved hosting locations, and as a part of regular data center technical refresh. Regular technical refresh is required to maintain cyber security readiness and accreditation at the data centers. Data Center Consolidation is a new start in FY20. There is no significant increase from FY20 to FY21.

EMPRS:(-\$1.084M)

Overall Increase EMPRS funding will provide for the purchase of storage devices, network devices, and Selection Board Management HW and SW and for the FY21 new start for the purchase of Selection Board Workstations. All of our contracts that have been award identify the contractor and Method/Type or funding vehicles.

Converged Enterprise Resource Planning (ERP) (-\$3.865M):

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8106 / Command Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
ERP Procurement funding budgeted in FY21 and out was removed due to the transition to Infrastructure as a Service for the Navy ERP system.		
NP2 (Navy Personnel and Pay System) formerly NSIPS (-\$1.908M): NP2 Procurement funds realigned to OMN AGSAG 4A4M in FY21 to correct appropriation for required software licenses.		
Authoritative Data Environment (ADE) (-\$1.464M): ADE Procurement funds realigned to OMN AGSAG 4A4M in FY21 and out to correct appropriation for required software licenses.		
ELECTRONIC PROCUREMENT SYSTEM (ePS) (-\$6.323M): ePS procurement funding budgeted in FY21 and out was removed in accordance with awarded contract.		
Maritime Operations Center (MOC) (+\$0.043M): FY21 funding will provide for procurement, production engineering, integration and installations required to continue incremental improvements of the common core infrastructure and Command, Control, Communications, Computers and Intelligence (C4I) capabilities of the MOCs, leading to fully-integrated, globally-networked operational-level commands with a Navy enterprise network and appropriate capabilities to exercise Command and Control (C2) over Navy missions, such as Ballistic Missile Defense (BMD), in accordance with MOC baseline requirements.		
CNIC: SMARTGRID (+\$2.337M) Smart Grid Energy Management Computer Software Suite Description: Smart Grid is a new building and utility energy management capability comprised of a computer software suite that through daily operations brings significant savings from predictive maintenance and efficient management of energy sources across the Navy's 70 CONUS and OCONUS installations. The Smart Grid provides first time capability to intelligently analyze energy data from 16,849 smart meters previously installed to comply with the Energy Policy Act 2005 (Public Law 109-58-August 8, 2005) and the Energy Independence and Security Act 2007 (Public Law 110-140-December 19, 2007). The Smart Grid aggregates meter data with highest energy consuming 2042 buildings and 174 utility control systems to intelligently and continuously identify cost savings opportunities, providing 2 of the 8 Trillion BTU energy savings needed to achieve the 50% Navy energy reduction target. The Smart Grid brings first time transparency of building and utility system operations and behavior, essential to both monitor for, and react to, a cyber-event.		
Information Operations Condition (INFOCON) Computer Network Defense System Updates: (-\$0.947M) FY21 decrease due funding realigned to budget line item 8645, an approved Cyber Mission Resource line.		
Command, Control, Communications, Computers, and Intelligence (C4I) for Wahiawa: (-\$0.024M) FY21 decrease due to installation phase of the planning, design, relocation, procurement, and installation of mission related C4I and Information Technology equipment to the Wahiawa.		
C4I/IT Equipment Naval Computer and Telecomm Atlantic: (-\$4.622M) FY21 decrease due to installation phase of Command, Control, Communications, Computers and Intelligence/Information Technology (C4I/IT) equipment. Funds support planning, design, relocation, procurement and installation of Command, Control, Communications, Computers and Intelligence/Information Technology (C4I/IT) equipment to new Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMSLANT) Facility.		
NCTAMS Det Rota Spain C4I: (-\$1.618M) FY21 decrease due to installation of the equipment to support Joint Worldwide Intelligence Communications System (JWICS).		
Command, Control, Communications, Computers, and Intelligence (C4I) for NAS Sigonella Communications Center: (-\$2.008M) FY21 decrease due to planned final installation phase of Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) at communications center NAS Sigonella.		
NCTAMS Det Souda Bay - Comms Center: (+\$0.918M)		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8106 / Command Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
FY21 increase due to new scheduled MILCON for Naval Computer and Telecommunications Area Master Station Atlantic Detachment (NCTAMS LANT DET) Souda Bay which provides voice, video, and data services to NSA Souda Bay. These services include Defense Switch Network, commercial voice, and Non-secure Internet Protocol Router Network (NIPRNET) and Secure Internet Protocol Router Network (SIPRNET) services.		
Base Communication Infrastructure: (-\$8.003M) FY21 decrease is due to a one-time increase in FY20 to support outside cable plant infrastructure upgrades required to comply with Unified Capabilities (UC) specifications. Upgrades supports infrastructure for Base Communications Office (BCO) operations. BCO provides the Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) structure that enables Base level Information Infrastructure (BLII), OCONUS Navy Enterprise Network (ONE Net), Defense Information Systems Network (DISN), Navy Installations Command/Navy Public Safety Network (CNIC/PSNET) and Navy/Marine Corps Intranet (NMCI).		
Electrical Power Systems and Uninterrupted Power Source/System for Networks: (-\$7.769M) FY21 decrease due planned installation phase of power upgrades at Fleet Numerical Meteorology and Oceanography Center.		
Defense Red Switch Network replacement/upgrade: (+\$0.017M) FY21 increase due to current market price of switches.		
Mobile User Objective System (MUOS): (+\$8.000M) This is a one time procurement in FY21. Funding provided for replacement of obsolete Satellite-Ground Link System (SGLS) antenna with a new 10 Meter Unified S Band (USB)/SGLS dual band antenna to support MUOS, Ultra High Frequency Follow-On (UFO), and Fleet Satellites (FLTSATs) in orbit operations.		
NCDOC Data Storage Technical Refresh (NIPR/SIPR): (+\$4.244M) This is a one time procurement in FY21. Funding provided for a one-time increase to upgrade hardware and software for Navy Cyber Defense Operation Centers (NCDOCs) Classified and Unclassified networks.		
European Deterrence Initiative: (-\$1.800M) FY21 decrease due to outfitting different size MILCON projects in various locations. Funding provided for initial C4I outfitting six (6) MILCON projects. The Command, Control, Communications, Computers, and Intelligence (C4I) Systems include non-portable network servers/routers, transmission/receiving gear, specialized computer systems, and audio-visual displays (not PCs).		
Aviation Support Equipment: (-\$35.720M) FY21 decrease of due to procurements for temporary facilitates at China Lake are in Year of Execution (YOE). Tension Fabric Shelters required to serve as temporary facilities due to Natural Disaster Recovery efforts.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment									Aggregated Items Title: Command Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
1) NCIS																				
1.1) NCIS Data Modernization & Analytical Tools ^{(1)(t)}	A		2,383.143	7	16.682	3,439.000	1	3.439	1,779.000	1	1.779	3,055.000	1	3.055	-	-	-	3,055.000	1	3.055
Subtotal: 1) NCIS					16.682			3.439			1.779			3.055						3.055
2) Tech Refresh																				
2.1) OCHR - Human Resource IT system ^{(2)(t)}	A		435.875	8	3.487	446.000	1	0.446	446.000	1	0.446	455.000	1	0.455	-	-	-	455.000	1	0.455
2.2) FIP ^{(3)(t)}	A		2,149.000	4	8.596	2,780.000	1	2.780	1,591.000	1	1.591	-	-	-	-	-	-	-	-	-
Subtotal: 2) Tech Refresh					12.083			3.226			2.037			0.455						0.455
3) Insider Threat																				
3.1) Hardware/ Software License Procurement - HUB	A		500.000	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) Hardware/ Software License Procurement - UAM	A		500.000	1	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Insider Threat					1.000			-			-			-						
4) Electronic Military Personnel Record System (EMPRS)																				
4.1) Selection Board Management HW SW ^(t)	A		4.405	311	1.370	3.110	92	0.286	3.400	114	0.388	-	-	-	-	-	-	-	-	-
4.2) Client Management HW SW	A		4.472	269	1.203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) Network Management HW SW	A		22.581	31	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) Network Devices ^(t)	A		149.714	7	1.048	-	-	-	4.330	3	0.013	-	-	-	-	-	-	-	-	-
4.5) Storage Devices ^(t)	A		77.108	74	5.706	19.000	50	0.950	19.230	35	0.673	-	-	-	-	-	-	-	-	-
4.6) Workstations (Sel Board)	A		3.226	527	1.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.7) Scanners High Speed ^{(4)(t)}	A		67.471	17	1.147	63.860	7	0.447	-	-	-	-	-	-	-	-	-	-	-	-
4.8) Peripherals ⁽⁵⁾	A		22.828	116	2.648	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.9) Sel Board Display	A		249.000	2	0.498	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.10) Servers	A		123.333	30	3.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.11) Content Management HW SW	A		8.837	221	1.953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment									Aggregated Items Title: Command Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ K)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ K)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
4.12) Records Mgmt SW	A		768.000	4	3.072	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.13) Configuration Management HW SW	A		142.500	2	0.285	-	-	-	-	-	-	-	-	-	-	-	-	-		
4.14) Data Center Consolidation (DCC) (6)(t)	A		-	-	-	727.000	1	0.727	1,500.000	1	1.500	1,490.000	1	1.490	-	-	1,490.000	1	1.490	
<i>Subtotal: 4) Electronic Military Personnel Record System (EMPRS)</i>			-	-	25.030	-	-	2.410	-	-	2.574	-	-	1.490	-	-	-	1.490		
5) Electronic Security System (ESS) Replacement/Upgrade																				
5.1) Electronic Security System (ESS) Replacement Update	A		7,903.000	1	7.903	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 5) Electronic Security System (ESS) Replacement/Upgrade</i>			-	-	7.903	-	-	-	-	-	-	-	-	-	-	-	-	-		
6) System - Crisis Announcement																				
6.1) Control Unit	A		225.000	3	0.675	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.2) Speakers/ Strobes/Message Displays	A		0.933	150	0.140	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.3) Remote Control/ Monitoring Units	A		2.500	70	0.175	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.4) Remote Alert System	A		1.000	55	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.5) Alert Status Communications	A		1.000	20	0.020	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.6) Power Supplies	A		2.500	24	0.060	-	-	-	-	-	-	-	-	-	-	-	-	-		
6.7) Wiring, Installation, Testing	A		375.000	1	0.375	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 6) System - Crisis Announcement</i>			-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-		
7) MPTE Core Transformation																				
7.1) MPTE Core Transformation PeopleSoft Licenses (7)	A		29.000	100	2.900	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 7) MPTE Core Transformation</i>			-	-	2.900	-	-	-	-	-	-	-	-	-	-	-	-	-		
8) Insider Threat - NAVWAR																				
8.1) Operational Spares ^(t)	A		-	-	-	346.000	1	0.346	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment										Aggregated Items Title: Command Support Equipment					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
8.2) Hardware/ Software Procurement ^(†)	A		-	-	-	903.000	1	0.903	-	-	-	-	-	-	-	-	-	-	-	-
8.3) ONI Refresh Hardware/Software/ Install ^(†)	A		-	-	-	458.000	1	0.458	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 8) Insider Threat - NAVWAR</i>			-	-	0.000	-	-	1.707	-	-	-	-	-	-	-	-	-	-	-	-
9) Converged ERP																				
9.1) Converged ERP (8)	A		-	-	4.239	-	-	3.678	-	-	3.865	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) Converged ERP</i>			-	-	4.239	-	-	3.678	-	-	3.865	-	-	-	-	-	-	-	-	-
10) Navy Personnel and Pay (NP2) Formerly NSIPS																				
10.1) Ashore Equipment ⁽⁹⁾	A		-	-	3.864	-	-	2.001	-	-	1.908	-	-	-	-	-	-	-	-	-
<i>Subtotal: 10) Navy Personnel and Pay (NP2) Formerly NSIPS</i>			-	-	3.864	-	-	2.001	-	-	1.908	-	-	-	-	-	-	-	-	-
11) Electronic Procurement System (ePS)																				
11.1) Electronic Procurement System (ePS) ⁽¹⁰⁾	A		-	-	5.533	-	-	-	-	-	6.323	-	-	-	-	-	-	-	-	-
<i>Subtotal: 11) Electronic Procurement System (ePS)</i>			-	-	5.533	-	-	-	-	-	6.323	-	-	-	-	-	-	-	-	-
12) Maritime Operations Center (MOC) Procurement⁽¹¹⁾																				
12.1) Baseline Equipment - Ashore (12)(†)	A		394.667	72	28.416	236.857	7	1.658	181.000	7	1.267	190.286	7	1.332	-	-	-	190.286	7	1.332
12.2) Baseline Equipment - Afloat (13)(†)	A		238.600	10	2.386	233.500	2	0.467	236.610	2	0.473	223.500	2	0.447	-	-	-	223.500	2	0.447
<i>Subtotal: 12) Maritime Operations Center (MOC) Procurement</i>			-	-	30.802	-	-	2.125	-	-	1.740	-	-	1.779	-	-	-	-	-	1.779
13) Maritime Operations Center (MOC) Production Support																				
13.1) Production Support - Ashore	A		-	-	0.965	-	-	0.095	-	-	0.095	-	-	0.096	-	-	-	-	-	0.096
13.2) Production Support - Afloat	A		-	-	0.152	-	-	0.032	-	-	0.032	-	-	0.032	-	-	-	-	-	0.032
<i>Subtotal: 13) Maritime Operations Center (MOC) Production Support</i>			-	-	1.117	-	-	0.127	-	-	0.127	-	-	0.128	-	-	-	-	-	0.128
14) Maritime Operations Center (MOC) Ashore Installations																				
14.1) Installations - Ashore	A		-	-	17.083	-	-	0.830	-	-	0.832	-	-	0.833	-	-	-	-	-	0.833

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment									Aggregated Items Title: Command Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 14) Maritime Operations Center (MOC) Ashore Installations</i>			-	-	17.083	-	-	0.830	-	-	0.832	-	-	0.833	-	-	-	-	-	0.833
15) Maritime Operations Center (MOC) Afloat Installations																				
15.1) Installations - Afloat	A		-	-	1.312	-	-	0.234	-	-	0.235	-	-	0.237	-	-	-	-	-	0.237
<i>Subtotal: 15) Maritime Operations Center (MOC) Afloat Installations</i>			-	-	1.312	-	-	0.234	-	-	0.235	-	-	0.237	-	-	-	-	-	0.237
16) CNIC⁽¹⁴⁾																				
16.1) SG Software Procure & Install ^{(15)(t)}	A		1,637.250	4	6.549	1,265.500	2	2.531	-	-	-	-	-	-	-	-	-	-	-	-
16.2) Common Operating Picture & Data Configuration ^{(16)(t)}	A		700.000	4	2.800	564.500	2	1.129	-	-	-	-	-	-	-	-	-	-	-	-
16.3) Hardware - Middleware panels for Data Normalization ^{(17)(t)}	A		177.000	4	0.708	161.000	2	0.322	-	-	-	-	-	-	-	-	-	-	-	-
16.4) Aggregate & Configure Bldg & Utility data to Cyber Secured Network ^{(18)(t)}	A		3,729.750	4	14.919	3,006.500	2	6.013	-	-	-	-	-	-	-	-	-	-	-	-
16.5) Install Advanced Analytics for Meter Consumption Data ^{(19)(t)}	A		211.250	4	0.845	110.000	2	0.220	-	-	-	-	-	-	-	-	-	-	-	-
16.6) SABRS Transition Support and Modernize FIS ⁽²⁰⁾	A		-	-	-	-	-	-	-	-	1.300	-	-	2.337	-	-	-	-	-	2.337
16.7) Cyber Protection and Response Capability (CPRC) ⁽²¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
16.8) More Situational Awareness - Industrial Control Systems (MOSAICS) ⁽²²⁾	A		-	-	-	-	-	-	-	-	-	-	-	0.800	-	-	-	-	-	0.800
<i>Subtotal: 16) CNIC</i>			-	-	25.821	-	-	10.215	-	-	1.300	-	-	3.637	-	-	-	-	-	3.637
17) United States Fleet Forces Command																				
17.1) [USFFC] INFOCON 3 - Security Compliance ^(t)	A		733.500	8	5.868	909.000	1	0.909	947.000	1	0.947	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment								Aggregated Items Title: Command Support Equipment							
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)			
17.2) [USFFC] C4I for P-013 Wahiaawa (23)(t)	A		-	-	-	223.000	1	0.223	195.000	1	0.195	171.000	1	0.171	-	-	-	171.000	1	0.171
17.3) [USFFC] P-913 C4I/IT Equipment Naval Computer and Telecomm Atlantic (24)(t)	A		-	-	-	2,323.000	1	2.323	5,622.000	1	5.622	1,000.000	1	1.000	-	-	-	1,000.000	1	1.000
17.4) [USFFC] C4I Equip Naval Computer and Telecomm Station Det Rota Spain (25)(t)	A		-	-	-	1,887.000	1	1.887	2,154.000	1	2.154	536.000	1	0.536	-	-	-	536.000	1	0.536
17.5) [USFFC] NAS Sigonella - Comms Center (26)(t)	A		-	-	-	-	-	-	2,118.000	1	2.118	110.000	1	0.110	-	-	-	110.000	1	0.110
17.6) [USFFC] NCTAMS Det Souda Bay - Comms Center (27)(t)	A		-	-	-	-	-	-	-	-	-	918.000	1	0.918	-	-	-	918.000	1	0.918
17.7) [USFFC] New Joint Regional Security Stack (JRSS)	A		2,971.000	1	2.971	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.8) [USFFC] BCO Infrastructure Replacement (Cable & Equipment) (28)(t)	A		393.813	16	6.301	320.250	4	1.281	2,375.000	4	9.500	291.750	4	1.167	-	-	-	291.750	4	1.167
17.9) [USFFC] Electrical Power Systems (29)(t)	A		837.600	5	4.188	1,280.000	1	1.280	10,273.000	1	10.273	2,504.000	1	2.504	-	-	-	2,504.000	1	2.504
17.10) [USFFC] Defense Red Switch Network Replacement (30)(t)	A		1,269.571	7	8.887	1,071.000	1	1.071	1,109.000	1	1.109	1,126.000	1	1.126	-	-	-	1,126.000	1	1.126
17.11) [USFFC] C4I for NAVEUR	A		3,000.000	1	3.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.12) [USFFC] Mobile User Objective System (MUOS) (31)(t)	A		-	-	-	-	-	-	-	-	-	8,000.000	1	8.000	-	-	-	8,000.000	1	8.000
17.13) [USFFC] NCDOCs Classified and Unclassified Networks (32)(t)	A		-	-	-	-	-	-	-	-	-	2,122.000	2	4.244	-	-	-	2,122.000	2	4.244
17.14) [USFFC] Navy/ Space Aggressor Support NAVIFOR(t)	A		-	-	-	1,166.600	3	3.500	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment										Aggregated Items Title: Command Support Equipment					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 17) United States Fleet Forces Command</i>			-	-	31.215	-	-	12.474	-	-	31.918	-	-	19.776	-	-	-	-	-	19.776
18) Deployable Deployable Mission Support Systems (DMSS) Kits																				
18.1) [USFFC] Deployable Mission Support Systems (DMSS)(†)	A		1,420.000	5	7.100	995.615	13	12.943	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 18) Deployable Deployable Mission Support Systems (DMSS) Kits</i>			-	-	7.100	-	-	12.943	-	-	-	-	-	-	-	-	-	-	-	-
19) Briefing Display System (BDS) Upgrade - NAVCENT																				
19.1) Briefing Display System Upgrade	A		8,662.000	1	8.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 19) Briefing Display System (BDS) Upgrade - NAVCENT</i>			-	-	8.662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20) European Deterrence Initiative - NAVEUR																				
20.1) [USFFC] European Deterrence Initiative (33)(†)	A		-	-	-	-	-	-	2,800.000	1	2.800	1,000.000	1	1.000	-	-	-	1,000.000	1	1.000
<i>Subtotal: 20) European Deterrence Initiative - NAVEUR</i>			-	-	0.000	-	-	-	-	-	2.800	-	-	1.000	-	-	-	-	-	1.000
21) Undersea Warfare Decision Support System - CNE																				
21.1) Hardware and Software	A		1,500.000	1	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.2) Production Engineering Support	A		400.000	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21.3) Maritime Operations Center (MOC) Server Room	A		13,530.000	1	13.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 21) Undersea Warfare Decision Support System - CNE</i>			-	-	15.430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22) Navy Enterprise Tactical Command and Control (NETC2)																				
22.1) Briefing Display System (BDS) Delta	A		3,120.000	1	3.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22.2) Navy Enterprise Tactical Command and Control (NETC2)	A		2,500.000	2	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 22) Navy Enterprise Tactical Command and Control (NETC2)</i>			-	-	8.120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23) U.S. Pacific Fleet																				
23.1) Canopy Shelters	A		2,773.667	3	8.321	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23.2) Tension Fabric Shelters	A		2,150.000	2	4.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8106 / Command Support Equipment									Aggregated Items Title: Command Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 23) U.S. Pacific Fleet</i>			-	-	12.621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24) Authoritative Data Environment			24.1) ADE ⁽³⁴⁾	A	-	-	-	-	-	-	-	1.464	-	-	-	-	-	-	-	-
<i>Subtotal: 24) Authoritative Data Environment</i>			-	-	0.000	-	-	-	-	-	-	1.464	-	-	-	-	-	-	-	
25) Aviation Support Equipment			25.1) Tension Fabric Shelters	A	6,905.000	1	6.905	-	-	10.000	-	-	35.720	-	-	-	-	-	-	-
<i>Subtotal: 25) Aviation Support Equipment</i>			-	-	6.905	-	-	10.000	-	-	35.720	-	-	-	-	-	-	-	-	
26) CCTV Procurement RTC Great Lakes ⁽³⁵⁾																				
26.1) CCTV Procurement RTC Great Lakes ^(†)	A		-	-	-	172.000	1	0.172	-	-	-	-	-	-	-	-	-	-	-	
26.2) CCTV Design, Procurement, Installation, Testing ^(†)	A		-	-	-	3,155.000	1	3.155	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: 26) CCTV Procurement RTC Great Lakes</i>			-	-	0.000	-	-	3.327	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	246.922	-	-	68.736	-	-	94.622	-	-	32.390	-	-	-	-	32.390	
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
(1) FY20 to FY21 increase due to specialized equipment required.																				
(2) FY20 to FY21 increase due to inflation.																				
(3) No funding required in FY21.																				
(4) Decrease from FY19 to FY20 due to no need for high speed scanners FY20.																				
(5) The funding profile for peripheral items will vary each year based on what IT and supporting infrastructure items require refresh.																				
(6) Data Center Consolidation (DCC) funding: Funds realigned from BSO39 for Data Center and Application Optimization, provide sustainment of data center hardware, software, and licenses for established Component Enterprise Data Centers (CEDCs) and other approved hosting locations as part of the Department of Defense's Information Technology efficiency for the Manpower, Training, and Education (MPT&E) Data Center footprint. The funding enables the MPT&E to implement the Navy Data Center and Commercial Cloud Resourcing Memorandum of Agreement. Funds application hosting costs, continues with consolidation and application migration efforts, and ensure that systems are modernized to sustain security requirements of Navy information and data residing within applications and data centers.																				
(7) MPTE Core Transformation Procurement of PeopleSoft 9.2 licenses in support of NP2 consolidation																				
(8) ERP Procurement funding budgeted in FY21 and out was removed due to the transition to Infrastructure as a Service for the Navy ERP system.																				
(9) NP2 Procurement funds realigned to OMN ASAG 4A4M in FY21 to correct appropriation for required software licenses.																				
(10) ePS procurement funding budgeted in FY21 and out was removed in accordance with awarded contract.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8106 / Command Support Equipment	Aggregated Items Title: Command Support Equipment
(11) The Maritime Operations Center (MOC) delivers global maritime capabilities at the Operational level of War throughout the full range of military operations. The goal end state is to achieve globally-networked operational level Numbered Fleet and Navy Component Commander, Joint Force Maritime Component Commander and Staff and Joint Task Force capable commands, based on Joint Capability Areas and Joint Mission-Essential Tasks through focused acquisition of standard and common suites of systems from the existing base of Navy, Army, Air Force and joint Programs of Record (POR) and non-PORs.		
(12) Quantity listed for Maritime Operations Command (MOC) Ashore represents shore sites. In any given year, MOC procures different equipment sets for the current build, as well as upgrades for prior builds/spirals, causing the unit cost per site to vary between fiscal years.		
(13) Quantity listed for MOC Afloat represents the only two ships that the MOC is on: USS Blue Ridge (LCC 19) and USS Mount Whitney (LCC 20). In any given year, MOC procures different equipment sets for the current build, as well as upgrades for prior builds/spirals, causing the unit cost per site to vary between fiscal years.		
(14) Quantities are based on regions. Regions are prioritized as follows: (1) Fleet concentration areas and mission assurance (cyber security) - MIDLANT (FY16 1st article test), Hawaii, South West, Marianas, South East (2) OCONUS - EURAFSWA, Far East (3) Upgrade (backfit) existing Smart Grids - NDW, Northwest		
(15) SG Software Procure & Install: Analytics and control software licenses, installation, testing, and functional configuration.		
(16) Common Operating Picture & Data Configuration: Develop and test Navy configuration, COP for Building/Utility Control Systems, and configuration of AMI data for included buildings		
(17) Hardware - Middleware panels for Data Normalization: Hardware procurement for panels supporting data normalization and cybersecurity		
(18) Aggregate & Configure Bldg & Utility Data to Cyber Secured Network: Securing and connection of Building/Utility Control Systems to monitoring, control, and analytics. Cyber secure the Smart Grid hardware/software product within the Navy's cyber secure hosting environment IAW Risk Management Framework (RMF) policy, and integrate smart meters, building & utility control system data, into a regionally managed consolidated data set. This 1st time digital capability provides Smart Grid operators transparency of equipment status across a region to centrally report, manage and control energy, that results in cost savings, utility resilience, and cyber mitigation.		
(19) Install Advanced Analytics for Meter Consumption Data: Import and configure advanced meter data for included buildings for advanced analytics		
(20) SABRS Transition Support and Modernize FIS: supports NAVFAC's transition of the Navy's General Fund accounting system STARS to Standard Accounting Budgeting & Reporting System (SABRS). upgrade of FIS 2.0, NAVFAC's facilities management system of record, from an application that is supported by a dated mainframe computer system into an updated FIS 3.0		
(21) Cyber Protection and Response Capability (CPRC): increases capabilities to protect facilities related control systems (FRCS) across the NAVFAC enterprise. The CPRC will: develop response capabilities based on collected intelligence and training within the NAVFAC Control Systems Lab and will function as the rapid response team when cyber incidents occur; synchronize FRCS cyber defensive measures and postures across the NAVFAC deployed infrastructure to maintain supply chain lethality.		
(22) More Situational Awareness - Industrial Control Systems (MOSAICS): increases capabilities to improve situational awareness for cyber defender response, disrupt adversary kill chain in an acceptable response threshold, and limit adversary reuse of advanced persistent attacks through enhanced sharing of indicators and mitigations. MOSAIC is a foundational component and dependency of the Control Systems Test Bed (CSTB) and the Industrial Control Systems Lab efforts.		
(23) FY21 decrease due to unit cost.		
(24) FY21 decrease due to unit cost.		
(25) FY21 decrease due to installation costs.		
(26) FY21 decrease due to planned installation phase of Command, Control, Communications, Computers, Collaboration, and Intelligence (C5I) equipment.		
(27) FY21 increase due to requirements for new scheduled MILCON.		
(28) FY21 decrease of unit costs due to varied locations of upgrades.		
(29) FY21 decrease due to planned installation phase of power upgrades.		
(30) FY21 increase due to current market price.		
(31) This is a one time procurement in FY21.		
(32) This is a one time procurement in FY21.		
(33) FY21 decrease due to change from four (4) locations to two (2) locations.		
(34) ADE Procurement funds realigned to OMN AGSAG 4A4M in FY21 and out to correct appropriation for required software licenses.		
(35) Closed Circuit Television System Upgrade Recruit Training Command at Navy Station Great Lakes Great Lakes, Illinois. Cost includes a detailed survey, full system design, procurement/integration, training and System Operation and Verification Test (SOVT) for new Video Management System (VMS) equipment, servers, workstations and network equipment. Also, included is the cost to complete Risk Management Framework towards an Authority to Operate and follow on sustainment. System security accreditation, referred to as A&A, is included as well.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) NCIS												
1.1) NCIS Data Modernization & Analytical Tools ^{(1)(t)}		2019 ⁽³⁶⁾	Cisco Systems / San Jose, CA	C / TBD	NAVSUP	Apr 2019	May 2019	1	3,439.000	N	Jun 2019	Jan 2019
1.1) NCIS Data Modernization & Analytical Tools ^{(1)(t)}		2020	One Dell Way / Round Rock TX 78682	C / TBD	NAVSUP	Oct 2019	Nov 2019	1	1,779.000	N	Jun 2020	
1.1) NCIS Data Modernization & Analytical Tools ^{(1)(t)}		2021	One Dell Way / Round Rock TX 78682	C / TBD	NAVSUP	Oct 2020	Nov 2020	1	3,055.000	N	Jun 2021	
2) Tech Refresh												
2.1) OCHR - Human Resource IT system ^{(2)(t)}		2019	M2 Technology, Inc / Reston, VA	C / TBD	FISC Philadelphia	Mar 2019	Mar 2019	1	446.000	N	Sep 2019	Mar 2019
2.1) OCHR - Human Resource IT system ^{(2)(t)}		2020	M2 Technology, Inc / Reston, VA	C / TBD	FISC Philadelphia	Jun 2020	Jun 2020	1	446.000	N	Sep 2020	
2.1) OCHR - Human Resource IT system ^{(2)(t)}		2021	M2 Technology, Inc / Reston, VA	C / TBD	FISC Philadelphia	Jun 2021	Jun 2021	1	455.000	N	Sep 2021	
2.2) FIP ^{(3)(t)}		2019	NAVSUP / Mechanicsburg, PA	C / TBD	NAVSUP	Oct 2018	Oct 2018	1	2,780.000	N	Oct 2019	Oct 2018
4) Electronic Military Personnel Record System (EMPRS)												
4.1) Selection Board Management HW SW		2019	TrueTandem, LLC / Unknown	C / FFP	FISC Philadelphia	Sep 2019	Oct 2019	92	3.110	N	Oct 2019	Jul 2019
4.1) Selection Board Management HW SW		2020	TrueTandem, LLC / Unknown	C / FFP	FISC Philadelphia	Sep 2020	Oct 2020	114	3.400	N	Jul 2020	Jul 2020
4.4) Network Devices		2020	Unknown / Unknown	C / TBD	FISC Philadelphia	Sep 2020	Oct 2020	3	4.330	N	Oct 2020	Jul 2020
4.5) Storage Devices		2019	SUN / NSA Mid South, TN	C / FFP	FISC Philadelphia	Sep 2019	Oct 2019	50	19.000	N	Oct 2019	Jul 2019
4.5) Storage Devices		2020	SUN / NSA Mid South, TN	C / TBD	FISC Philadelphia	Sep 2020	Oct 2020	35	19.230	N	Oct 2020	Jul 2020
4.7) Scanners High Speed ⁽⁴⁾		2019	Kodak / NSA Mid South, TN	C / TBD	FISC Philadelphia	Sep 2019	Oct 2019	7	63.860	N	Jul 2019	Jul 2019
4.14) Data Center Consolidation (DCC) ⁽⁶⁾		2019	Spawar Data Center Hosting / Spawar, Atlantic North Charleston, SC	C / FP	North Charleston, SC	Apr 2019	Apr 2019	1	727.000	N	Oct 2019	
4.14) Data Center Consolidation (DCC) ⁽⁶⁾		2020	Spawar Data Center Hosting / Spawar, Atlantic North Charleston, SC	C / TBD	** NO PCO **	Apr 2020	Apr 2020	1	1,500.000	N	Oct 2020	
4.14) Data Center Consolidation (DCC) ⁽⁶⁾		2021	Spawar Data Center Hosting / Spawar, Atlantic North Charleston, SC	C / TBD	** NO PCO **	Apr 2021	Apr 2021	1	1,490.000	N	Oct 2021	
8) Insider Threat - NAVWAR												
8.1) Operational Spares		2019	SSC Pacific / San Diego, CA	WR	** NO PCO **	Jun 2019	Nov 2019	1	346.000	N	Jan 2019	
8.2) Hardware/Software Procurement		2019	SSC Pacific / San Diego, CA	WR	** NO PCO **	Jun 2019	Nov 2019	1	903.000	N	Jan 2019	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
8.3) ONI Refresh Hardware/ Software/Install		2019	SSC Pacific / San Diego, CA	WR	** NO PCO **	Mar 2019	Sep 2019	1	458.000	N	Oct 2018	
12) Maritime Operations Center (MOC) Procurement												
12.1) Baseline Equipment - Ashore (12)		2019	NIWC Atlantic/Pacific/MDA / Various	WR	NIWC PAC/LANT/MDA	Mar 2019	Mar 2019	7	236.857	Y		
12.1) Baseline Equipment - Ashore (12)		2020	NIWC Atlantic/Pacific/MDA / Various	WR	NIWC PAC/LANT/MDA	Mar 2020	Mar 2020	7	181.000	Y		
12.1) Baseline Equipment - Ashore (12)		2021	NIWC Atlantic/Pacific/MDA / Various	WR	NIWC PAC/LANT/MDA	Mar 2021	Mar 2021	7	190.286	Y		
12.2) Baseline Equipment - Afloat (13)		2019	NIWC Atlantic/Pacific/MDA / Various	C / CPFF	NIWC PAC/LANT/MDA	Mar 2019	Jun 2019	2	233.500	Y		
12.2) Baseline Equipment - Afloat (13)		2020	NIWC Atlantic/Pacific/MDA / Various	C / CPFF	NIWC PAC/LANT/MDA	Mar 2020	Jun 2020	2	236.610	Y		
12.2) Baseline Equipment - Afloat (13)		2021	NIWC Atlantic/Pacific/MDA / Various	C / CPFF	NIWC PAC/LANT/MDA	Mar 2021	Jun 2021	2	223.500	Y		
16) CNIC												
16.1) SG Software Procure & Install (15)		2019 ⁽³⁷⁾	NAVFACLANT / Norfolk, VA	C / CPFF	** NO PCO **	Oct 2018	Oct 2018	2	1,265.500	N		
16.2) Common Operating Picture & Data Configuration ⁽¹⁶⁾		2019	NAVFACLANT ⁽³⁸⁾ / Norfolk, VA	C / CPFF	** NO PCO **	Oct 2018	Oct 2018	2	564.500	N		
16.3) Hardware - Middleware panels for Data Normalization ⁽¹⁷⁾		2019	NAVFACLANT / Norfolk, VA	C / CPFF	** NO PCO **	Oct 2018	Oct 2018	2	161.000	N		
16.4) Aggregate & Configure Bldg & Utility data to Cyber Secured Network ^{(18)(t)}		2019	TBD / TBD	TBD	** NO PCO **	Mar 2019	Aug 2019	2	3,006.500	N		
16.5) Install Advanced Analytics for Meter Consumption Data ⁽¹⁹⁾		2019	NAVFACLANT / Norfolk, VA	C / CPFF	** NO PCO **	Oct 2018	Oct 2018	2	110.000	N		
17) United States Fleet Forces Command												
17.1) [USFFC] INFOCON 3 - Security Compliance		2019	SPAWAR / Charleston	C / CPAF	SPAWAR	Apr 2019	Apr 2019	1	909.000	Y		
17.1) [USFFC] INFOCON 3 - Security Compliance		2020	SPAWAR / Charleston	C / CPAF	SPAWAR SPAWAR	Mar 2020	Mar 2020	1	947.000	N	Mar 2020	
17.2) [USFFC] C4I for P-013 Wahiawa ⁽²³⁾		2019	SPAWAR / San Diego, CA	C / FFP	San Diego, CA	Jan 2019	Jan 2019	1	223.000	N	Nov 2018	
17.2) [USFFC] C4I for P-013 Wahiawa ⁽²³⁾		2020	SPAWAR / San Diego, CA	C / FFP	San Diego, CA	Jan 2020	Jan 2020	1	195.000	N	Nov 2019	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
17.2) [USFFC] C4I for P-013 Wahiawa (23)		2021	SPAWAR / San Diego, CA	C / FFP	San Diego, CA	Nov 2020	Nov 2020	1	171.000	N	Nov 2020	
17.3) [USFFC] P-913 C4I/IT Equipment Naval Computer and Telecomm Atlantic (24)		2019	SPAWAR / Atlantic	C / FFP	SPAWAR SSC Atlantic	Jan 2019	Jan 2019	1	2,323.000	N	Feb 2019	
17.3) [USFFC] P-913 C4I/IT Equipment Naval Computer and Telecomm Atlantic (24)		2020	SPAWAR / Atlantic	C / FFP	SPAWAR SSC Atlantic	Oct 2019	Oct 2019	1	5,622.000	N	Nov 2019	
17.3) [USFFC] P-913 C4I/IT Equipment Naval Computer and Telecomm Atlantic (24)		2021	SPAWAR / Atlantic	C / FFP	SPAWAR	Oct 2020	Oct 2020	1	1,000.000	N	Nov 2020	
17.4) [USFFC] C4I Equip Naval Computer and Telecomm Station Det Rota Spain (25)		2019	SPAWAR / Atlantic	C / FFP	Norfolk	Jan 2019	Feb 2019	1	1,887.000	N	Feb 2019	
17.4) [USFFC] C4I Equip Naval Computer and Telecomm Station Det Rota Spain (25)		2020	SPAWAR / Atlantic	C / FFP	Norfolk	Oct 2019	Oct 2019	1	2,154.000	N	Oct 2019	
17.4) [USFFC] C4I Equip Naval Computer and Telecomm Station Det Rota Spain (25)		2021	SPAWAR / Atlantic	C / FFP	Norfolk	Oct 2020	Oct 2020	1	536.000	N	Oct 2020	
17.5) [USFFC] NAS Sigonella - Comms Center (26)		2020	Fleet Logistic Center / FLC Norfolk	C / IDQ	NAVSUP FLC, Norfolk, VA	Feb 2020	Feb 2020	1	2,118.000	N	Mar 2020	
17.5) [USFFC] NAS Sigonella - Comms Center (26)		2021	Fleet Logistic Center / FLC Norfolk	C / IDQ	NAVSUP FLC, Norfolk, VA	Oct 2020	Oct 2020	1	110.000	N	Nov 2020	
17.6) [USFFC] NCTAMS Det Souda Bay - Comms Center (27)		2021	NIWC/ATLANTIC / NIWC/ATLANTIC	C / FFP	NIWC/ATLANTIC	Jan 2021	Jan 2021	1	918.000	N	Nov 2020	
17.8) [USFFC] BCO Infrastructure Replacement (Cable & Equipment) (28)		2019	SPAWAR / Atlantic	C / FP	SPAWAR	Aug 2019	Aug 2019	4	320.250	Y		
17.8) [USFFC] BCO Infrastructure Replacement (Cable & Equipment) (28)		2020	SPAWAR / Atlantic	C / FP	SPAWAR	Aug 2020	Aug 2020	4	2,375.000	Y		
17.8) [USFFC] BCO Infrastructure Replacement (Cable & Equipment) (28)		2021	SPAWAR / Atlantic	C / FFP	SPAWAR	Aug 2021	Aug 2021	4	291.750	N	Oct 2020	
17.9) [USFFC] Electrical Power Systems (29)		2019	NAVFAC EXWC / PORT HUENEME, CA	C / FFP	** NO PCO **	Apr 2019	Apr 2019	1	1,280.000	N	Apr 2019	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
17.9) [USFFC] Electrical Power Systems ⁽²⁹⁾		2020	NAVFAC EXWC / PORT HUENEME, CA	C / FFP	** NO PCO **	Feb 2020	Feb 2020	1	10,273.000	N	Feb 2020	
17.9) [USFFC] Electrical Power Systems ⁽²⁹⁾		2021	NAVFAC EXWC / PORT HUENEME, CA	C / FFP	** NO PCO **	Jan 2021	Jan 2021	1	2,504.000	N	Jan 2021	
17.10) [USFFC] Defense Red Switch Network Replacement ⁽³⁰⁾		2019	Raytheon / Hill AFB, UT	C / FP	FISC Norfolk	Apr 2019	Apr 2019	1	1,071.000	Y		
17.10) [USFFC] Defense Red Switch Network Replacement ⁽³⁰⁾		2020	Raytheon / Hill AFB, UT	C / FP	FISC Norfolk	Apr 2020	Apr 2020	1	1,109.000	Y		
17.10) [USFFC] Defense Red Switch Network Replacement ⁽³⁰⁾		2021	Raytheon / Hill AFB, UT	C / FP	FISC Norfolk	Apr 2021	Apr 2021	1	1,126.000	N	Apr 2021	
17.12) [USFFC] Mobile User Objective System (MUOS) ⁽³¹⁾		2021	NAVSOC / New MFG - Loc	C / FFP	NAVSOC	Sep 2021	Sep 2021	1	8,000.000	N	Sep 2021	
17.13) [USFFC] NCDOCs Classified and Unclassified Networks ⁽³²⁾		2021	SPAWAR / Charleston, SC	C / FFP	charleston, SC	Dec 2020	Dec 2020	2	2,122.000	Y		
17.14) [USFFC] Navy/Space Aggressor Support NAVIFOR		2019	SPAWAR / San Diego, CA	C / FFP	San Diego, CA	Mar 2019	Mar 2019	3	1,166.600	N	Mar 2019	
18) Deployable Deployable Mission Support Systems (DMSS) Kits												
18.1) [USFFC] Deployable Mission Support Systems (DMSS) ^(†)		2019	SPAWAR / San Diego, CA	C / FFP	SPAWAR SSC Pacific	Mar 2019	May 2019	13	995.615	N	Jul 2018	Jan 2019
20) European Deterrence Initiative - NAVEUR												
20.1) [USFFC] European Deterrence Initiative ⁽³³⁾	✓	2020	TBD / TBD	C / TBD	** NO PCO **	Oct 2019	Oct 2019	1	2,800.000	N		
26) CCTV Procurement RTC Great Lakes												
26.1) CCTV Procurement RTC Great Lakes		2019 ⁽³⁹⁾	SPAWAR / UUNKNONW	C / IDIQ	Great Lakes	Apr 2019	Apr 2019	1	172.000	N	Jul 2019	
26.2) CCTV Design, Procurement, Installation, Testing		2019	SPAWAR / North Charleston, SC	C / IDIQ	North Charleston, SC	Oct 2019	Oct 2019	1	3,155.000	N	Dec 2019	

^(†) indicates the presence of a P-21

Footnotes:

⁽³⁶⁾ VTC infrastructure

⁽³⁷⁾ Both DTIC and NAVAIR will be used

⁽³⁸⁾ NAVFAC, DTIC, NAVAIR, and KBR Wyle share responsibility in the acceptance and reimbursement of funds in addition to performing the work

⁽³⁹⁾ Contractor and Location - VT, MILCOM, Inc., Contract Method - Task Order/IDIQ, Location North Charleston

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Exhibit P-21, Production Schedule: PB 2021 Navy																					Date: February 2020																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2										P-1 Line Item Number / Title: 8106 / Command Support Equipment										Aggregated Items: Command Support Equipment																														
Items (Units in Each)							Fiscal Year 2019												Fiscal Year 2020																															
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E																				
1) NCIS							Fiscal Year 2019												Fiscal Year 2020																															
1.1) NCIS Data Modernization & Analytical Tools ⁽¹⁾							Calendar Year 2019												Calendar Year 2020																															
Prior Years Deliveries: 7							8 2019 NAVY 1 0 1			A - 1			7 2020 NAVY 1 0 1			A - 1			7 2021 NAVY 1 0 1												0																			
2) Tech Refresh							2.1) OCHR - Human Resource IT system ⁽²⁾												A1												0																			
Prior Years Deliveries: 8							9 2019 NAVY 1 0 1			A1			9 2020 NAVY 1 0 1			9 2021 NAVY 1 0 1												0																						
2.2) FIP ⁽³⁾							Prior Years Deliveries: 4												A1												0																			
10 2019 NAVY 1 0 1 A1																																0																		
16) CNIC							16.4) Aggregate & Configure Bldg & Utility data to Cyber Secured Network ⁽¹⁸⁾												Prior Years Deliveries: 4												0																			
11 2019 NAVY 2 0 2							A - - - - 1			A - - - - 1			A - - - - 1			A - - - - 1			A - - - - 1			A - - - - 1			A - - - - 1			A - - - - 1			0																			
18) Deployable Deployable Mission Support Systems (DMSS) Kits							18.1) [USFFC] Deployable Mission Support Systems (DMSS)												Prior Years Deliveries: 5												0																			
12 2019 NAVY 13 0 13							A - - 13			A - - 13			A - - 13			A - - 13			A - - 13			A - - 13			A - - 13			A - - 13			0																			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																				

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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020											
Appropriation / Budget Activity / Budget Sub Activity:										P-1 Line Item Number / Title:										Aggregated Items:											
1810N / 07 / 2										8106 / Command Support Equipment										Command Support Equipment											
Items (Units in Each)										Fiscal Year 2021										Fiscal Year 2022											
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E	
1) NCIS																				1.1) NCIS Data Modernization & Analytical Tools ⁽¹⁾											
Prior Years Deliveries: 7																														0	
8	2019	NAVY		1	1	0																									0
7	2020	NAVY		1	1	0																									0
7	2021	NAVY		1	0	1	A -	1																						0	
2) Tech Refresh																				2.1) OCHR - Human Resource IT system ⁽²⁾											
Prior Years Deliveries: 8																														0	
9	2019	NAVY		1	1	0																									0
9	2020	NAVY		1	1	0																									0
9	2021	NAVY		1	0	1																									0
2.2) FIP ⁽³⁾																															
Prior Years Deliveries: 4																														0	
10	2019	NAVY		1	1	0																									0
16) CNIC																				16.4) Aggregate & Configure Bldg & Utility data to Cyber Secured Network ⁽¹⁸⁾											
Prior Years Deliveries: 4																														0	
11	2019	NAVY		2	2	0																									0
18) Deployable Mission Support Systems (DMSS) Kits																				18.1) [USFFC] Deployable Mission Support Systems (DMSS)											
Prior Years Deliveries: 5																														0	
12	2019	NAVY		13	13	0																									0

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Exhibit P-21, Production Schedule: PB 2021 Navy								Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8106 / Command Support Equipment					Aggregated Items: Command Support Equipment

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	One Dell Way - Round Rock TX 78682			TBD	0	0	1	1	0	0	0	0
2	Cisco Systems - San Jose, CA			TBD	0	2	1	3	0	0	0	0
3	M2 Technology, Inc - Reston, VA			TBD	0	8	2	10	0	0	0	0
4	NAVSUP - Mechanicsburg, PA			TBD	3	0	0	0	0	0	0	0
5	TBD - TBD			TBD	0	0	0	0	0	0	0	0
6	SPAWAR - San Diego, CA	13	15	20	4	3	2	5	4	3	2	5

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					P-1 Line Item Number / Title: 8109 / Medical Support Equipment												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A									
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total					
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)	73.656	17.127	12.427	0.974	3.525	4.499	7.108	6.333	5.377	5.490	17.603	149.620					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) (\$ in Millions)	73.656	17.127	12.427	0.974	3.525	4.499	7.108	6.333	5.377	5.490	17.603	149.620					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)	73.656	17.127	12.427	0.974	3.525	4.499	7.108	6.333	5.377	5.490	17.603	149.620					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-					
Description: The FY 2021 funding request was reduced by \$2.534 million to account for the availability of prior year execution balances.																	
The Medical Support Equipment (MSE) program funds new medical capability and new technology on naval operating ships. Medical Support Equipment configuration management, spares, technical manuals and installations are also funded through this line item. Requirements are determined through Commander, U.S. Fleet Forces Command (FLTFOR) and Commander, U.S. Pacific Fleet (PACFLT), and procurement is managed by Naval Medical Logistics Command (NMLC). Funding is used to procure modifications or additions to the ships' allowance items that are identified within the Authorized Medical Allowance List (AMAL) and Authorized Dental Allowance List (ADAL). AMALs and ADALs are unique to specific classes or types of ship or Commands to fulfill its intended health care mission. AMAL and ADAL allowances are approved by the respective Fleet Type Commander (TYCOM) Force Surgeon with concurrence by the Commander, Fleet Forces Command Surgeon. The initiation of a change to the current depth (allowance amount) of material or addition of a new allowance for an item(s) within an AMAL or ADAL results from either a change in the scope of care a specific ship must provide in accordance with its Required Operational Capability (ROC) and Projected Operational Environment (POE) and/or a change in the standard of medical care the assigned personnel are expected to provide. Changes to AMAL and ADAL requirements are determined through Individual Allowance Change Requests, as a result of reviews chaired by TYCOM Fleet Surgeons.																	
The Fleet Hospital/Expeditionary Medical Facility (EMF) program funds critical medical equipment to support and provide theater hospitalization capabilities (commonly referred to as Role III Care) as defined in Joint Publication 4-02 Health Services Support and the EMF ROC and POE. This funding is used to procure investment equipment that supports the standard of care for Casualty Management as determined by the DoD Combat Trauma Surgery Committee.																	
This line item also includes funding for the Hospital Ships (USNS COMFORT (FLTFOR) and USNS MERCY (PACFLT)) major systems replacement. The program is part of the standardization and life cycle management of the MERCY Class Hospital ships sustainability plan.																	
Funds in this line item will be used to procure medical equipment from the AMAL/ADAL, and for major systems replacement, including:																	
Direct Digital Radiology System, and Computer Aided Design and Computer Aided Manufacturing (CAD CAM) Milling Machine.																	
Computerized Axial Tomography (CAT) Scan system; funding will cover one (1) unit per prepositioned Expeditionary Medical Facility.																	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8109 / Medical Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
Digital X-Ray Shelters; funding will cover one (1) Digital X-Ray Shelter per prepositioned Expeditionary Medical Facility to provide higher resolution diagnostic images, which provide digital storage capability, and alleviates the need for chemical processors.		
[P40A / Expeditionary Medical Unit (EMU) Recapitalization]: Funds are to procure Civil Engineering Support Equipment (CESE), including ATV M-Gators, Generators, and a Fuel Module Sixcon Tank, for the recapitalization of an Expeditionary Medical Unit asset. EMU-10s provide care to patients in theater, including the following capabilities: two Operating Room Tables; four Intensive Care Unit (ICU) beds; six Acute Care Wing (ACW) beds; Base Tent Configuration; Completion of operational set up within 24 hours. BUMED maintains a capability of four EMU-10 units.		
[P40A / [USFFC] Computerized Axial Tomography (CAT) Scanner]: Funds to procure medical equipment needed to directly support critical life-saving medical care rendered to US service members supporting warfighting requirements. The equipment will aid in the immediate lifesaving measures and disease and non-battle injury (DNBI) prevention and care.		
[P40A / [USFFC] Medical Equipment for EMF DJ]: FY21 funds are for the procurement and installation of for a Mobile C-arm fluoroscopic X-ray system, Radiographic Non-Tilt Table Unit, Computerized Axial Tomography (CAT) Scanner, and Low Voltage Equipment package at Camp Lemonier, Djibouti (CLDJ). The equipment is required to directly support critical life-saving medical care rendered to U.S. service members supporting warfighting requirements. The equipment will aid in the immediate lifesaving measures as well as disease and non-battle injury (DNBI) prevention and care. This will ensure patients continue to receive the U.S. standard of care.		
[P40A / Infusion Pump, Multi-therapy]: Funding provides Multi-therapy Infusion pumps for USNS MERCY, and are used to deliver agents from syringes or collapsible bags and are small enough to be worn or carried by patients. They are used on patients that require repeated or continuous infusions.		
[P40A / Patient Isolation Wards]: Funding provided for the design of two isolation ward onboard USNS MERCY (a new temporary isolation ward in Casualty Receiving and an upgrade/expansion of the existing isolation ward in the Intensive Care Ward #4). The design requirements apply to Airborne Infectious Isolation (AI) rooms and are based on recommendations from regulatory agencies, medical societies and, MSC and US Navy.		
[P40A / Radiographic Fluoroscopy w/Wireless Digital Imaging Option]: Procure and install Radiographic Fluoroscopy Replacement System with wireless digital radiology imaging option for USNS MERCY. The system is used for diagnostic radiographic and fluoroscopic examinations, and provides digital storage capability of images and alleviates the need for chemical processors.		
[P40A / Ultrasonic Scanning System, Portable]: Portable ultrasounds will be used about USNS MERCY. Ultrasound provides images from high frequency sound waves to allow a doctor to see problems with organs, blood vessels, and tissues without the need for incisions. It uses no radiation and it is used extensively in hospitals in various departments.		
[P40A / Ultrasonic Scanning System, Fixed Advanced]: Fixed, Advanced (4 dimensional) ultrasounds will be placed in two radiology rooms aboard USNS MERCY. Ultrasound provides images from high frequency sound waves to allow a doctor to see problems with organs, blood vessels, and tissues without the need for incisions. It uses no radiation and it is used extensively in hospitals in various departments.		
[P40A / Computerized Axial Tomography (CAT) Scan Replacement]: Funding provided for the procurement and installation of a Computerized Axial Tomography (CAT) Scan for USNS MERCY. The CAT scan is an x-ray procedure that combines many x-ray images with the aid of a computer to generate cross-sectional views and, if needed, three-dimensional images of the internal organs and structures of the body.		
[P40A / O2N2 Plant]: Automation upgrade to modernize and make the existing O2N2 plant safer and simpler for the end user to operate while increasing overall reliability. The existing O2N2 producer is outfitted with a legacy control system that makes it difficult for the end user to timely produce liquid oxygen at required purity and volume. The automation will control plant parameters in a more precise manner allowing the plant to produce more high purity liquid oxygen per unit time. It will provide the end user with trending data of all plant parameters that will greatly assist with troubleshooting and diagnostics and will be in compliance with ISO 9001 standards. By allowing the plant to operate more efficiently, less time is needed to achieve purity reducing production run times which results in realized fuel and maintenance savings. This equipment is required in support of the hospital ship mission and to provide a similar standard of care on the hospital ships to what a patient would receive in other Navy Military Facilities (fixed or expeditionary).		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				8109 / Medical Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Medical Support Equipment	P-5a			- / 73.656	- / 17.127	- / 12.427	- / 0.974	- / 3.525	- / 4.499
P-40	Total Gross/Weapon System Cost				- / 73.656	- / 17.127	- / 12.427	- / 0.974	- / 3.525	- / 4.499
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: The FY 2021 funding request reflects the Department of Navy's effort to support the Office of Management and Budget directed reforms for Efficiency and Effectiveness that include a lean, accountable, more efficient government. Funding required to support the healthcare readiness needs of Navy's operating forces.										
The Medical Support Equipment (MSE) program funds new medical capability and new technology on naval operating ships. Medical Support Equipment configuration management, spares, technical manuals and installations are also funded through this line item.										
FY 2021 funding for BUMED is for Logistics Support, Supplies and Equipment Maintenance in support of the Direct Digital Radiology (DDR) and Computerized Axial Tomography (CAT) Scan equipment.										
FY 2021 increase in funding, IAO \$0.409M, for Pacific Fleet is due to new procurement requirements: Three (3) Ultrasonic Scanning Systems (Portable), and two (2) Ultrasonic Scanning System (Fixed, Advanced). The Portable and Fixed, Advanced ultrasounds will be used on the USNS MERCY and provides images from high frequency sound waves to allow a doctor to see problems with organs, blood vessels, and tissues without the need for incisions. The Fixed, Advanced will be placed in two radiology rooms of the USNS MERCY.										
FY 2021 funding for Fleet Forces is to procure and install life-saving medical equipment at Expeditionary Medical Facility Djibouti (EMF DJ). The equipment will support emergency treatment, surgical intervention, primary medical and dental care, and functions essential to health maintenance for U.S. service members supporting warfighting requirements. The equipment will also aid in the disease and non-battle injury (DNBI) prevention and care, as well as, ensure patients receive the U.S. standard of care.										
OCO: Expeditionary Medical Unit (EMU)										
Request in support of Operation Inherent Resolve (OIR) in the amount of \$0.264M. This asset was activated as one (1) EMU to CENTCOM AOR in support of OIR out of Navy Medicine Prepositioning Program. Funding is to replace a system that was deployed and cannot be recovered. Funds are needed to reconstitute the replacement in order to meet operational requirements of four EMUs. Civil Engineering Support Equipment (CESE) to be purchased includes ATV M-Gators, Generators, and a Fuel Module Sixcon Tank. Authorized Medical Allowance List (AMAL) consists of over 1,000 items, which in total makes up one (1) EMU system. The CESE portion of the requirements total \$.264M.										
Expeditionary Medical Facility (EMF)										
FY 2021 increase in funding, IAO \$3.261M, is for the procurement and installation of for a Mobile C-arm fluoroscopic X-ray system, Radiographic Non-Tilt Table Unit, Computerized Axial Tomography (CAT) Scanner, and Low Voltage Equipment package for Expeditionary Medical Facility Djibouti (EMF DJ). This equipment will outfit the MILCON P-223 Medical/Dental Facility at Camp Lemonier, Djibouti (CLDJ). The procured equipment will be utilized for emergency treatment, surgical intervention, primary medical and dental care, and functions essential to maintenance of the health of U.S. service members.										

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8109 / Medical Support Equipment									Aggregated Items Title: Medical Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) BUMED⁽¹⁾																				
1.1) Direct Digital Radiology - Procurement ^{(2)(t)}	A		242,354.84	31	7.513	352,000.00	3	1.056	361,000.00	3	1.083	-	-	-	-	-	-	-	-	
1.2) Direct Digital Radiology - Installation ^(t)	A		145,166.67	18	2.613	205,000.00	3	0.615	205,000.00	3	0.615	-	-	-	-	-	-	-	-	
1.5) Computerized Axial Tomography (CAT) Scan Replacement ^{(3)(t)}	A		1,320K	3	3.960	1,500K	1	1.500	1,308K	1	1.308	-	-	-	-	-	-	-	-	
1.6) Digital X-Ray Shelters ^(t)	A		760,000.00	1	0.760	790,000.00	1	0.790	-	-	-	-	-	-	-	-	-	-	-	
1.7) Logistics Support, Supplies & Equipment Maintenance	A		-	-	1.930	-	-	0.016	-	-	0.130	-	-	0.083	-	-	-	-	0.083	
Subtotal: 1) BUMED			-	-	16.776	-	-	3.977	-	-	3.136	-	-	0.083	-	-	-	-	0.083	
2) Expeditionary Medical Facilities																				
2.1) Expeditionary Medical Unit (EMU) Recapitalization ^{(4)(t)}	A		-	-	-	5,000K	1	5.000	264,000.00	1	0.264	-	-	0.000	264,000.00	1	0.264	264,000.00	1	0.264
2.2) EMF Tent Replacement	A		4,087K	1	4.087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) EMF Tent Replacement and Upgrades ⁽⁵⁾	A		16,922K	2	33.844	-	-	7,000	-	-	7,000	-	-	-	-	-	-	-	-	
2.4) Roll 2 Enhanced COTS & New Capabilities	A		13,000K	1	13.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.5) Roll 2 Light Maneuver Operational Equipment Set	A		1,500K	2	3.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) Computerized Axial Tomography (CAT) Scan Replacement	A		845,000.00	1	0.845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) Expeditionary Medical Facilities			-	-	54.776	-	-	12.000	-	-	7.264	-	-	0.000	-	-	0.264	-	0.264	
3) U.S. Fleet Forces Command																				
3.1) [USFFC] Rad Fluoro Replace w/ Wireless Digital Imaging Option	A		553,000.00	1	0.553	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) [USFFC] Oxygen Nitrogen (O2N2)	A		901,000.00	1	0.901	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8109 / Medical Support Equipment									Aggregated Items Title: Medical Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Automated Control System																				
3.3) [USFFC] Computerized Axial Tomography (CAT) Scanner ^(†)	A		-	-	-	0.00	1	0.000	1,530K	1	1.530	-	-	-	-	-	-	-	-	
3.4) [USFFC] Medical Equipment for EMF DJ ⁽⁶⁾	A		-	-	-	-	-	-	-	-	-	-	0.000	-	-	3.261	-	-	3.261	
Subtotal: 3) U.S. Fleet Forces Command			-	-	1.454	-	-	-	-	-	1.530	-	-	0.000	-	-	3.261	-	-	3.261
4) PACFLT																				
4.1) Infusion Pump, Multi-therapy ^(†)	A		2,166.67	300	0.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.2) Patient Isolation Wards ^(†)	A		-	-	-	1,150K	1	1.150	-	-	-	-	-	-	-	-	-	-	-	
4.3) Radiographic Fluoroscopy w/ Wireless Digital Imaging Option ^(†)	A		-	-	-	-	-	-	497,000.00	1	0.497	-	-	-	-	-	-	-	-	
4.4) Ultrasonic Scanning System, Portable ^(†)	A		-	-	-	-	-	-	-	-	88,000.00	3	0.264	-	-	-	88,000.00	3	0.264	
4.5) Ultrasonic Scanning System, Fixed Advanced ^(†)	A		-	-	-	-	-	-	-	-	313,500.00	2	0.627	-	-	-	313,500.00	2	0.627	
Subtotal: 4) PACFLT			-	-	0.650	-	-	1.150	-	-	0.497	-	-	0.891	-	-	-	-	0.891	
Total			-	-	73.656	-	-	17.127	-	-	12.427	-	-	0.974	-	-	3.525	-	-	4.499

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) (Note: Unit costs may not multiply exactly to total costs due to rounding). These funds are to be used to procure new technology requirements introduced to the FLEET during recent AMAL/ADAL review. Implementation focuses on L-decks and Carriers meeting Required Operational Capability in response to changes in standard of medical care provided to the ship's force by organic medical teams. Ships identified to be outfitted with these requirements, as well as the required quantities, are determined by FFC but may change prior to targeted implementation dates outlined in this submittal. Furthermore, the total equipment cost is expected to increase due to the likelihood of Ship Configuration Change factors and the proliferation of medical technology over three years prior to implementation.

(2) The Direct Digital Radiology system is required to keep pace with the advanced nature of diagnostic imaging. It is a form of X-Ray imaging, in which digital X-ray sensors are used instead of traditional photographic film. This provides shipboard medical personnel the capability to digitally process, and store images thereby reducing film development time, maintenance, and storage costs. This also provides seamless integration of digital imaging with other systems used in Telemedicine, creating a more efficient process that bypasses chemical processing and provides the ability to digitally transfer and enhance images. Using an existing DLA-TS IDIQ Contract, NMLC will procure equipment from AGFA Health Care. The installation and related procurement plan for Direct Digital Radiology units reflects ship availability for installation periods (per data from the Navy Data Environment database). Equipment is procured in the year preceding installation. Units will be procured as follows: 3 in FY19; 3 in FY20; and 3-5 per year for years FY22-25. No equipment will be purchased in FY21.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8109 / Medical Support Equipment	Aggregated Items Title: Medical Support Equipment
(3) The Computerized Axial Tomography (CAT) Scan system is primarily used for medical imaging that supports or helps establish the diagnosis of a certain type of disease after more primitive diagnostic exams have been performed, like the X-ray and standard ultrasound. The CAT scan provides a critical diagnostic tool in the field of Expeditionary Medicine in that it can help in the emergent diagnosis of brain injuries, bleeding within body cavities, and bone malformations. Fleet Forces Command realigned FY19/21 funding IAO \$1,500K to Naval Medical Logistics Command to purchase a CAT Scan for the Expeditionary Medical Facilities (EMF) in Kandahar, Afghanistan.		
(4) Procurement funding for FY 2020 and FY 2021 is planned for Civil Engineering Support Equipment (CESE) to be purchased for Expeditionary Medical Units (EMUs) in support of Operation Inherent Resolve (OIR).		
(5) FY17 CSI Funding in the amount of \$7,831K to cover EMF Air Beam Tents and purchase soft walled shelters and necessary accessories (floors, doors, vestibule frames). FY18 CSI funding in the amount of \$7,000K, FY19 CSI Funding in the amount of \$7,000K, and FY20 CSI Funding in the amount of \$7,000K to cover EMF Air Beam Tents and purchase soft walled shelters, necessary accessories (floors, doors, vestibule frames). FY18 Prior Approval Reprogramming in the amount of \$11,100K; \$6,000K to cover collective protection (COLPRO) system for one EMF Air Beam Tent, and \$5,100K to cover EMF Information Technology, electrical upgrades, and other accessories for full mission capability.		
(6) FY21 procurement of specialized medical equipment for Expeditionary Medical Facility Djibouti.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8109 / Medical Support Equipment					Aggregated Items: Medical Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) BUMED												
1.1) Direct Digital Radiology - Procurement ⁽²⁾		2019	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Oct 2018	Oct 2018	3	352,000.00	N		
1.1) Direct Digital Radiology - Procurement ⁽²⁾		2020	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Mar 2020	Mar 2020	3	361,000.00	N		
1.2) Direct Digital Radiology - Installation		2019	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Oct 2018	Oct 2018	3	205,000.00	N		
1.2) Direct Digital Radiology - Installation		2020	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MDNMLC - Fort Detrick MD	Mar 2020	Mar 2020	3	205,000.00	N		
1.5) Computerized Axial Tomography (CAT) Scan Replacement ⁽³⁾		2019	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MDNMLC - Fort Detrick MD	Oct 2018	Oct 2018	1	1,500K	N		
1.5) Computerized Axial Tomography (CAT) Scan Replacement ⁽³⁾		2020	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Feb 2020	Feb 2020	1	1,308K	N		
1.6) Digital X-Ray Shelters		2019	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC - Fort Detrick MD	Oct 2018	Oct 2018	1	790,000.00	N		
2) Expeditionary Medical Facilities												
2.1) Expeditionary Medical Unit (EMU) Recapitalization ⁽⁴⁾	✓	2019	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC/Defense Supply Center, Philadelphia	Jul 2019	Sep 2019	1	5,000K	N		
2.1) Expeditionary Medical Unit (EMU) Recapitalization ⁽⁴⁾	✓	2020	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / FP	NMLC/Defense Supply Center, Philadelphia	Jun 2020	Jun 2020	1	264,000.00	N		
2.1) Expeditionary Medical Unit (EMU) Recapitalization ⁽⁴⁾	✓	2021	Defense Logistics Agency, Troop Support, Construction & Equipment / Philadelphia, PA	C / TBD	** NO PCO **	Oct 2020	Oct 2020	1	264,000.00	N		
3) U.S. Fleet Forces Command												
3.3) [USFFC] Computerized Axial Tomography (CAT) Scanner	✓	2019	NAVMEDLOGCOM / FT DETRICK, MD	C / FFP	NMLC - Fort Detrick MD	Nov 2018	Apr 2019	1	0.00	N		Aug 2018
3.3) [USFFC] Computerized Axial Tomography (CAT) Scanner	✓	2020	NAVMEDLOGCOM / FT DETRICK, MD	C / FFP	NMLC - Fort Detrick MD	Nov 2019	Apr 2020	1	1,530K	N		
4) PACFLT												
4.1) Infusion Pump, Multi-therapy		2018	TBD / TBD	C / FP	NMLC - Fort Detrick MD	Dec 2019	Dec 2019	300	2,166.67	N	Aug 2018	Sep 2018
4.2) Patient Isolation Wards		2019	NSWC-PD / Philadelphia, PA	PO	NLMC - Fort Detrick, MD	Aug 2019	Aug 2020	1	1,150K	N	Oct 2018	Oct 2018

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8109 / Medical Support Equipment					Aggregated Items: Medical Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.3) Radiographic Fluoroscopy w/ Wireless Digital Imaging Option		2020	TBD / TBD	C / TBD	NMLC - Fort Detrick MD	Sep 2020	Sep 2021	1	497,000.00	N	Dec 2019	Jan 2020
4.4) Ultrasonic Scanning System, Portable		2021	TBD / TBD	C / TBD	** NO PCO **	Feb 2021	May 2021	3	88,000.00	N	Jun 2021	
4.5) Ultrasonic Scanning System, Fixed Advanced		2021	TBD / TBD	C / TBD	** NO PCO **	Feb 2021	May 2021	2	313,500.00	N	Jun 2021	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: 0305192N				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	14.354	5.784	6.097	5.606	0.000	5.606	4.560	4.508	3.970	5.580	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	14.354	5.784	6.097	5.606	0.000	5.606	4.560	4.508	3.970	5.580	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	14.354	5.784	6.097	5.606	0.000	5.606	4.560	4.508	3.970	5.580	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The FY 2021 funding request was reduced by \$0.397 million to account for the availability of prior year execution balances.												
Fleet SCI IT: This effort delivers and sustains SCI network access and information technology infrastructure and tools to the Maritime Operations Centers and Naval Intelligence Community ashore. This includes desktop hardware, software, and peripherals, network equipment, server hardware and software, video teleconferencing devices, secure voice over IP telephones.												
Navy Fleet Imagery Support Team (FIST): FIST provides the Fleet with GEOINT Intelligence Specialist support through a Sea component and a reachback element. The Sea element augments the Unmanned Aerial System (UAS) deployments. The reachback element is a 24x7 GEOINT watch and analytical assets, that provides federated and ad-hoc intelligence production to numbered Fleets Maritime Operation Centers (MOCs), and deployed support groups (e.g. cryptologic, expeditionary, etc.).												
ONI RED: (CR) Details available at a higher classification.												
[P40A / FIST Capital Equipment Replacement Program (CERP0): Maintain and modernize Navy GEOINT Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) distributed operations node. MOD and CERP systems to ensure interoperability with Fleet, Joint, and NGA PED infrastructure and ISR platforms. Space MOD will increase PED capacity to support 10 lines of AISR data. MOD Space is re-engineering 17,345 SQFT of analyst's spaces that includes new fiber, critical power, additional routers for the GEOINT Sub-network, build of network closets, additional power drops and additional desks to support AISR GEOINT PED and Multi-INT NRT operations ISO of the Fleet.]												
[P40A / SCI Network CERP for MOCs]: Provide resources for a critical, must-fund change proposal (CP) to satisfy COMPACFLT requirement to provision Joint Worldwide Intelligence Communications System (JWICS) in Maritime Operation Centers (MOCs) to provide Fleet Commanders' intelligence on Russia, Ukraine, North Korea and other countries. Project will improve SCI coalition network enclaves on force level ships and the MOCs.]												
[P40A / SCI Communications at MOCs]: SCI services at the MOC transfer to Fleet SCI IT for communication services. Fleet SCI IT (Hopper ISC) will be the single service provider for MOCs ashore, supporting messaging, compartmented, AOR unique and intelligence services.												

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: 0305192N	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / SCI IA]: Funding enables Navy tactical SCI program capabilities needed for the establishment of an initial capability and fully operational capability to meet full compliance with ICD 502 and provide active cyber defense and incident response of the information environment for the IC and establishes the framework for risk management and authorization (RMF) across all systems that process, store and/or transmit SCI		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: 0305192N				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Naval MIP Support Equipment	P-5a			- / 14.354	- / 5.784	- / 6.097	- / 5.606	- / -	- / 5.606
P-40	Total Gross/Weapon System Cost				- / 14.354	- / 5.784	- / 6.097	- / 5.606	- / 0.000	- / 5.606

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Funding enables continued network and storage equipment sustainment and modernization for the Naval Intelligence community. Funding enables continued network and storage equipment sustainment, modernizes the Navy GEOINT TCPED distributed operations nodes, and modernizes SCI coalition network enclaves on force level ships and the Maritime Operations Centers (MOCs). The funding decrease in FY21, as compared to FY20, is due to a reduction in Fleet SCI IT, due to the availability of prior year execution balances.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment									Aggregated Items Title: Naval MIP Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Naval MIP Support Equipment																				
1.1) Network Storage Systems I ^(†)	A		561,461.54	13	7.299	1,119K	1	1.119	1,087K	1	1.087	461,000.00	1	0.461	-	-	-	461,000.00	1	0.461
1.2) Computer Hardware Refresh (1) ^(†)	A		2,075.64	899	1.866	238,000.00	1	0.238	240,000.00	1	0.240	0.00	1	0.000	-	-	-	0.00	1	0.000
1.3) Network Equipment upgrades/refresh (2) ^(†)	A		15,463.92	97	1.500	325,000.00	1	0.325	338,000.00	1	0.338	345,000.00	1	0.345	-	-	-	345,000.00	1	0.345
1.4) Video Conference Equip refresh ^(†)	A		33,000.00	34	1.122	302,000.00	1	0.302	318,000.00	1	0.318	-	-	-	-	-	-	-	-	-
1.5) FIST Capital Equipment Replacement Program (CERP0 ^(†))	A		-	-	-	-	-	-	2,114K	1	2.114	-	-	-	-	-	-	-	-	-
1.6) GEOINT Modernization ⁽³⁾	A		-	-	-	-	-	-	-	-	-	-	-	1.456	-	-	-	-	-	1.456
1.7) SCI Network CERP for MOCs ^(†)	A		-	-	-	-	-	-	500,000.00	1	0.500	344,000.00	1	0.344	-	-	-	344,000.00	1	0.344
1.8) SCI Communications at MOCs ^(†)	A		-	-	-	-	-	-	1,000K	1	1.000	1,000K	1	1.000	-	-	-	1,000K	1	1.000
<i>Subtotal: 1) Naval MIP Support Equipment</i>			-	-	11.787	-	-	1.984	-	-	5.597	-	-	3.606	-	-	-	-	-	3.606
2) SCI IA⁽⁴⁾																				
2.1) Equip/Software/ Licenses ^(†)	A		1,291K	1	1.291	-	-	-	500,000.00	1	0.500	-	-	-	-	-	-	-	-	-
<i>Subtotal: 2) SCI IA</i>			-	-	1.291	-	-	-	-	-	0.500	-	-	-	-	-	-	-	-	-
3) CR																				
3.1) CR Upgrade tools ^(†)	A		1,276K	1	1.276	-	-	-	-	-	-	1,000K	1	1.000	-	-	-	1,000K	1	1.000
<i>Subtotal: 3) CR</i>			-	-	1.276	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
4) ISR																				
4.1) ISR (One-Time)	A		-	-	-	-	-	-	3.800	-	-	-	-	-	-	-	-	-	-	-
4.2) Pentagon - Raven Rock IT Modernization	A		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
<i>Subtotal: 4) ISR</i>			-	-	0.000	-	-	3.800	-	-	-	-	-	1.000	-	-	-	-	-	1.000
Total			-	-	14.354	-	-	5.784	-	-	6.097	-	-	5.606	-	-	-	-	-	5.606

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy	Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment	Aggregated Items Title: Naval MIP Support Equipment

Footnotes:

- (1) Changed basis from individual computers and parts to computer system.
- (2) Changed basis from individual network parts to a network system.
- (3) Modernization of Navy GEOINT TCPED (tasking, collection, processing, exploitation & dissemination) distributed operations nodes.
- (4) Funding enables Navy tactical SCI program capabilities needed for the establishment of an initial capability and fully operational capability to meet full compliance with ICD 502 and provide active cyber defense and incident response of the information environment for the IC and establishes the framework for risk management and authorization (RMF) across all systems that process, store and/or transmit SCI

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment					Aggregated Items: Naval MIP Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Naval MIP Support Equipment												
1.1) Network Storage Systems I		2012	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2012	Mar 2012	3	412,333.33	N	Jan 2012	Dec 2011
1.1) Network Storage Systems I		2013	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2013	Mar 2013	3	484,666.67	N	Jan 2013	Dec 2012
1.1) Network Storage Systems I		2014	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Mar 2014	Mar 2014	2	0.00	N	Jan 2014	
1.1) Network Storage Systems I		2015	Network Appliance / Washington, DC	C / FFP	NAVICP, Mechanicsburg, PA	Dec 2014	Mar 2015	1	1,060K	N	Aug 2014	
1.1) Network Storage Systems I		2016	Network Appliance / Washington, DC	C / FFP	** NO PCO **	Dec 2015	Mar 2016	2	645,000.00	N	Aug 2015	
1.1) Network Storage Systems I		2017	Network Appliance / Washington, DC	C / FFP	** NO PCO **	Dec 2016	Mar 2017	1	1,087K	N	Aug 2016	
1.1) Network Storage Systems I		2018	Network Appliance / Washington, DC	C / CPFF	** NO PCO **	Dec 2017	Mar 2018	1	1,171K	N	Aug 2017	
1.1) Network Storage Systems I		2019	Network Appliance / Washington, DC	C / CPFF	** NO PCO **	Dec 2018	Mar 2019	1	1,119K	N	Aug 2018	
1.2) Computer Hardware Refresh (1)		2013	VARIOUS / Various	C / TBD	TBD	Mar 2013	Mar 2013	205	2,000.00	N	Jan 2013	Dec 2012
1.2) Computer Hardware Refresh (1)		2014	VARIOUS / Various	C / TBD	TBD	Mar 2014	Mar 2014	250	0.00	N	Dec 2013	Dec 2013
1.2) Computer Hardware Refresh (1)		2015	VARIOUS / Various	C / TBD	TBD	Mar 2015	Mar 2015	315	2,000.00	N	Dec 2014	Dec 2014
1.2) Computer Hardware Refresh (1)		2016	VARIOUS / Various	C / TBD	** NO PCO **	Jan 2016	May 2016	127	1,976.38	N	Dec 2015	
1.2) Computer Hardware Refresh (1)		2017	VARIOUS / Various	C / TBD	** NO PCO **	Jan 2017	May 2017	1	313,000.00	N	Dec 2016	
1.2) Computer Hardware Refresh (1)		2018	VARIOUS / Various	C / TBD	** NO PCO **	Jan 2018	May 2018	1	262,000.00	N	Dec 2017	
1.2) Computer Hardware Refresh (1)		2019	VARIOUS / Various	C / TBD	** NO PCO **	Jan 2019	May 2019	1	238,000.00	N	Dec 2018	
1.3) Network Equipment upgrades/refresh (2)		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	30	10,000.00	N	Dec 2012	
1.3) Network Equipment upgrades/refresh (2)		2015	TBD / TBD	C / TBD	** NO PCO **	Dec 2014	Mar 2015	40	10,000.00	N	Dec 2014	
1.3) Network Equipment upgrades/refresh (2)		2016	TBD / TBD	C / TBD	** NO PCO **	Dec 2015	Mar 2016	25	10,000.00	N	Dec 2015	
1.3) Network Equipment upgrades/refresh (2)		2017	TBD / TBD	C / TBD	** NO PCO **	Dec 2016	Mar 2017	1	250,000.00	N	Dec 2016	

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8114 / Naval MIP Support Equipment					Aggregated Items: Naval MIP Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.3) Network Equipment upgrades/refresh ⁽²⁾		2018	TBD / TBD	C / TBD	** NO PCO **	Dec 2017	Mar 2018	1	300,000.00	N	Dec 2017	
1.3) Network Equipment upgrades/refresh ⁽²⁾		2019	TBD / TBD	C / TBD	** NO PCO **	Dec 2018	Mar 2019	1	325,000.00	N	Dec 2018	
1.4) Video Conference Equip refresh		2013	TBD / TBD	C / TBD	TBD	Mar 2013	Mar 2013	12	25,000.00	N	Dec 2012	
1.4) Video Conference Equip refresh		2014	TBD / TBD	C / TBD	TBD	Mar 2014	Mar 2014	10	0.00	N	Dec 2013	
1.4) Video Conference Equip refresh		2016	TBD / TBD	C / TBD	** NO PCO **	Feb 2016	Jun 2016	10	25,000.00	N	Dec 2015	
1.4) Video Conference Equip refresh		2017	TBD / TBD	C / TBD	** NO PCO **	Feb 2017	Jun 2017	1	275,000.00	N	Dec 2016	
1.4) Video Conference Equip refresh		2018	TBD / TBD	C / TBD	** NO PCO **	Feb 2018	Jun 2018	1	297,000.00	N	Dec 2017	
1.4) Video Conference Equip refresh		2019	TBD / TBD	C / TBD	** NO PCO **	Feb 2019	Jun 2019	1	302,000.00	N	Dec 2018	
1.5) FIST Capital Equipment Replacement Program (CERPO)		2020	TBD / TBD	C / TBD	** NO PCO **	Jun 2020	Nov 2020	1	2,114K	N	Dec 2019	
1.7) SCI Network CERP for MOCs		2020	TBD / TBD	C / TBD	** NO PCO **	Jun 2020	Nov 2020	1	500,000.00	N	Dec 2019	
1.8) SCI Communications at MOCs		2020	VARIOUS / Various	C / TBD	** NO PCO **	Mar 2020	Jun 2020	1	1,000K	N	Oct 2019	
2) SCI IA												
2.1) Equip/Software/ Licenses		2016	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	1,291K	Y		
3) CR												
3.1) CR Upgrade tools		2016	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Oct 2015	1	1,276K	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:											
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					8118 / Operating Forces Support Equipment											
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A								
Line Item MDAP/MAIS Code: N/A																
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total				
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Cost (\$ in Millions)	45.303	16.281	17.995	16.024	0.000	16.024	12.691	12.902	13.078	13.335	-	147.609				
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Net Procurement (P-1) (\$ in Millions)	45.303	16.281	17.995	16.024	0.000	16.024	12.691	12.902	13.078	13.335	-	147.609				
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Total Obligation Authority (\$ in Millions)	45.303	16.281	17.995	16.024	0.000	16.024	12.691	12.902	13.078	13.335	-	147.609				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-				
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-				
Description:																
This budget line item funds procurement of various items of equipment to support the operating forces at Naval Stations and related facilities, including, but not limited to the following:																
Mobile Aircraft Fire Training Devices: are necessary for the Navy's firefighters to meet minimum firefighting requirements and qualifications. Baseline budget replaces dilapidated equipment and procures new systems to ensure that the Navy's firefighters are able to keep up to date on technology and techniques of interior and/or exterior firefighting. Strategic placement of these devices will also minimize travel training costs and maximize our members training opportunities. New training devices will allow CNIC to meet OPNAVINST, Department of Defense and National Fire Protection Association standards for Fire Service training requirements. Live fire training devices ensure proficiency of fire and emergency services personnel.																
Cranes and/or Boat Hoists: Procurement of cranes/hoist of various types and sizes (Davit/Bridge/Portal/Gantry/Mobile Harbor). All are weight handling systems designed/selected to meet the specific requirements of the intended facility.																
Fender/Bumper/Separator Systems: Procurement includes various size and shaped energy absorbing cushions placed between a pier and a ship/submarine or between two ships/submarines. Multiple fenders may be used with different size and types of ships. Various types of filling of air or other material may be procured. Standard type is hydro-pneumatic rubber fender made IAW ISO 17357. May be used for both submarine and surface ships.																
Composite CVN Camels: Procurement of large floating metal or composite structures designed to maintain the proper distance for CV/CVNs to keep the ships from being damaged or damaging the pier structure. When USN Carriers are placed alongside a pier the hull design dictates the need to use standoff equipment. The camels requested provide the necessary standoff. These composite camels offer considerable reduction in maintenance due to constructed material. As currently utilized ship support equipment ages it becomes necessary to replace that equipment. Equipment procurement budgets are not adequate to keep up with the demand for ship support equipment. As more ships are placed into service the requirement exceeds currently available support equipment.																
Submarine Deep Draft Camels: Procurement of very large floating metal structures designed to maintain the proper distance for submarines to keep them from being damaged by the pier. These may be for specific submarine classes (e.g. Fast Attack), or universal (i.e. for all submarine classes).																
Universal Submarine Composite Camels: Procurement of universal pierside, composite camels used to breast submarines from piers/wharves. They are fabricated of universal composite material with a modular design. Size is approximately 36 ft W x 18 ft H x 17.6 ft D. Made per a standard NAVFAC drawing. Suitable for all classes of submarines.																

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8118 / Operating Forces Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
<p>Utility and Maintenance/Paint Floats and Barges: Procurement of floating assets that are used by Port Operations and Ship's Force personnel to facilitate external ship work (blasting, painting, other maintenance). They can also be used as separators or camels. These can be towed into place, or may even be self-propelled. They may have permanent or movable work platforms installed as needed to assist in reaching work sites. Some may have self-ballasting mechanisms to help maintain stability and come in various sizes.</p> <p>Composite Sub camels - as constructed the composite Submarine camels significantly reduce the amount of maintenance required to keep the units serviceable. Older models, reaching the end of serviceability are made of steel and in some cases wood. To overhaul these units requires considerable manpower. The older units do not provide the same level of hull protection the composite units provide. Equipment procurement budgets are not adequate to keep up with the demand for ship support equipment. As more ships are placed into service the requirement exceeds currently available support equipment.</p> <p>[P40A / ISA AB Live Fire Trng Device]: Construction, shipping, set-up, and operator training for a live fire mobile training device. The live fire device shall have the ability to safely produce propane fuel fires during hands-on training per the selected vendor, supporting Navy live fire training requirements for civilian and military response crews.</p> <p>[P40A / DDG Separators]: Large floating metal structures designed to maintain the proper distance for DDG's when nested outboard of another DDG. Also, provides protection from ship-to-ship damage due to vessel maneuvers or where vessel-to-pier contact may occur.</p> <p>[P40A / CVN Camels (Steel/Composite)]: CVN Camels: Procurement of very large floating composite structures, designed to maintain the proper standoff distance for CVNs to keep the ships from being damaged or damaging the pier structure. This budget request supports the Navy's CVN 21 Future Carrier ship coming online. Currently, there are no viable assets (CVN Camels) to support homeporting for the Navy's new CVN. The cost increase is associated with using composite material vice steel. These CVN camels are designed to last 25 years. The current inventory of steel CVN camel are past their service life and require an overhaul, without which they may only keep afloat for a couple of years.</p> <p>[P40A / Hydro Pneumatic Sub Fender]: Procurement of large floating Pneumatic fenders are designed to maintain the proper standoff distance between submarines when nested and keeping them from being damaged. They also protect the submarine and pier structure when used pier side. These fenders are designed to last 10 years. The current inventory of Hydro-pneumatic fenders are past their service life and require replacement.</p> <p>[P40A / Collateral Equipment]: Costs identified with equipment and minor property required to initially outfit new construction financed by the, Military Construction, Navy appropriation or Host Nation funds as outlined in OPNAVINST 11010.20 series (Facilities Projects Manual). Does not include costs associated with furnishings, fixtures, and equipment required as a result of remodeling, restorations, special projects, consolidations, etc. These requirements are funded by the impacted programs.</p> <p>[P40A / [USFFC] OCO Forklifts]: Funds support the procurement of forklifts to support contingency and anti-terrorism operations within the CENTCOM Area of Responsibility (AOR).</p> <p>[P40A / [USFFC] OCO Land Mobile Radio System]: Funds provided for Land Mobile Radio (LMR) System to include hardware, software, routers, radios, amplifiers, etc.</p> <p>[P40A / Patrol Craft SIGINT Equipment]: Persistent Intelligence, Surveillance, and Reconnaissance (ISR) in the Maritime Domain and Choke Points is on the United States Central Command (USCENTCOM) FY18-22 Integrated Priorities List. Funding will provide a cryptologic capability on five (5) available Patrol Craft (PC) units in the USCENTCOM area of responsibility (AOR). This project is an enhanced upgrade to an existing Limited Objective Experiment (LOE) conducted in-theater since late 2014. This LOE initiative has provided critical intelligence gaps in U.S. Naval Forces Central Command's (NAVCENT) collection posture and provided unique access to targets of interest. Funding supports the procurement, integration and testing to upgrade 5 PCs with maintainable systems, expands the SIGINT capability and increases NAVCENT/Commander Fifth Fleet's (C5F) Organic Persistent ISR capability which will enable NAVCENT/C5F to meet intelligence requirements in the littorals not accessible by current collection platforms and program of record (POR) systems.</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				8118 / Operating Forces Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Operating Forces Supt Equip	P-5a			- / 45.303	- / 16.281	- / 17.995	- / 16.024	- / -	- / 16.024
P-40	Total Gross/Weapon System Cost				- / 45.303	- / 16.281	- / 17.995	- / 16.024	- / 0.000	- / 16.024

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The decrease of 881k FY 2021 funding is due to a reduced need in Hydro Pneumatic sub fenders. The current inventory is not projected to deplete as quickly as originally expected.

FY 2021 request will fund the following:

Construction, shipping, and set-up for a live fire mobile training device. The live fire device shall have the ability to safely produce "Class A" fuel fires during hands-on training, supporting Navy live fire training requirements for civilian Fire and Emergency Services (F&ES) personnel. New training device will allow CNIC to meet OPNAVINST, Department of Defense and National Fire Protection Association standards for Fire Service training requirements. The live fire-training device will ensure proficiency of fire and emergency services personnel.

Procurement of very large floating composite structures, designed to maintain the proper standoff distance for CVNs to keep the ships from being damaged or damaging the pier structure. This budget request supports the Navy's CVN 21 Future Carrier ship coming online. Currently, there are no viable assets (CVN Camels) to support homeporting for the Navy's new CVN. The cost increase is associated with using composite material vice steel. These CVN camels are designed to last 25 years. The current inventory of steel CVN camel are past their service life and require an overhaul, without which they may only keep afloat for a couple of years.

Costs identified with equipment and minor property required to initially outfit new construction financed by the, Military Construction, Navy appropriation or Host Nation funds as outlined in OPNAVINST 11010.20 series (Facilities Projects Manual). Does not include costs associated with furnishings, fixtures, and equipment required as a result of remodeling, restorations, special projects, consolidations, etc. The impacted programs fund these requirements.

OCO:

1.090M reduction in funding for FY 2021 due to the requirement being fulfilled in FY 2020

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8118 / Operating Forces Support Equipment									Aggregated Items Title: Operating Forces Supt Equip						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) Commander, Navy Installations Command (CNIC)																				
1.1) ISA AB Live Fire Trng Device ⁽¹⁾	A		700,000.00	1	0.700	-	-	-	700,000.00	1	0.700	-	-	-	-	-	-	-	-	
1.2) Mobile Aircraft Training Devices ⁽⁺⁾	A		910,000.00	6	5.460	1,110K	1	1.110	1,118K	1	1.118	1,101K	1	1.101	-	-	-	1,101K	1	1.101
1.3) DDG Separators ⁽²⁾	A		395,000.00	5	1.975	476,000.00	6	2.856	530,000.00	3	1.590	544,000.00	1	0.544	-	-	-	544,000.00	1	0.544
1.4) Submarine Deep Draft Camel (N/S Design) (SEAWOLF) ^{(3)(†)}	A		944,750.00	4	3.779	-	-	-	560,000.00	1	0.560	560,000.00	1	0.560	-	-	-	560,000.00	1	0.560
1.5) Submarine Deep Draft Camel (Redesign) ⁽⁴⁾	A		708,000.00	1	0.708	823,000.00	3	2.469	-	-	-	560,000.00	1	0.560	-	-	-	560,000.00	1	0.560
1.6) Paint Maintenance Barge (65 Foot Lift) ^{(5)(†)}	A		452,200.00	5	2.261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Composite Universal Submarine Camels ⁽⁶⁾	A		1,056K	7	7.392	1,333K	1	1.333	1,260K	2	2.521	1,330K	1	1.330	-	-	-	1,330K	1	1.330
1.8) Utility Float, 60 Foot ⁽⁷⁾	A		-	-	-	-	-	-	571,000.00	2	1.142	720,000.00	1	0.720	-	-	-	720,000.00	1	0.720
1.9) Fenders/Bumpers P-383	A		2,700K	1	2.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) CVN Camels (Steel/Composite) ⁽⁸⁾	A		3,956K	1	3.956	3,675K	1	3.675	4,300K	1	4.300	4,359K	1	4.359	-	-	-	4,359K	1	4.359
1.11) 3 Tier/4 Tier Plus - Paint Float ⁽⁹⁾	A		-	-	-	-	-	-	845,500.00	2	1.691	845,333.33	3	2.536	-	-	-	845,333.33	3	2.536
1.12) Hydro Pneumatic Sub Fender ⁽¹⁰⁾	A		-	-	-	418,000.00	5	2.090	444,714.29	7	3.113	444,750.00	4	1.779	-	-	-	444,750.00	4	1.779
1.13) Pontoon Section/Small Boat Dock ⁽¹¹⁾	A		389,000.00	2	0.778	1,097K	1	1.097	359,000.00	1	0.359	-	-	-	-	-	-	-	-	
1.14) Ships Bows (various lengths) ⁽¹²⁾	A		-	-	-	-	-	-	-	-	208,000.00	2	0.416	-	-	-	208,000.00	2	0.416	
1.15) LCS Separators ⁽¹³⁾	A		-	-	-	-	-	-	-	-	720,000.00	1	0.720	-	-	-	720,000.00	1	0.720	
1.16) Collateral Equipment ⁽¹⁴⁾	A		-	-	0.494	-	-	0.501	-	-	0.511	-	-	1.399	-	-	-	-	-	1.399
Subtotal: 1) Commander, Navy Installations Command (CNIC)			-	-	30.203	-	-	15.131	-	-	17.605	-	-	16.024	-	-	-	-	16.024	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8118 / Operating Forces Support Equipment									Aggregated Items Title: Operating Forces Supt Equip						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)			
2) USFFC Overseas Contingencies Operations																				
2.1) [USFFC] OCO Forklifts ⁽¹⁵⁾	A		-	-	-	-	-	-	-	-	0.390	-	-	-	-	-	-	-		
2.2) [USFFC] OCO Land Mobile Radio System ^(†)	A		-	-	-	1,150K	1	1.150	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 2) USFFC Overseas Contingencies Operations</i>			-	-	0.000	-	-	1.150	-	-	0.390	-	-	-	-	-	-	-		
3) Patrol Craft SIGINT Capability																				
3.1) Patrol Craft SIGINT Equipment ^{(16)(†)}	A		2,396K	5	11.980	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 3) Patrol Craft SIGINT Capability</i>			-	-	11.980	-	-	-	-	-	-	-	-	-	-	-	-	-		
4) Patrol Craft SIGINT Production Support																				
4.1) Patrol Craft SIGINT - Production Support	A		-	-	0.720	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 4) Patrol Craft SIGINT Production Support</i>			-	-	0.720	-	-	-	-	-	-	-	-	-	-	-	-	-		
5) Patrol Craft SIGINT - Installation																				
5.1) Patrol Craft SIGINT - DSA	A		-	-	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-		
5.2) Patrol Craft SIGINT - Installation	A		-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Subtotal: 5) Patrol Craft SIGINT - Installation</i>			-	-	2.400	-	-	-	-	-	-	-	-	-	-	-	-	-		
Total			-	-	45.303	-	-	16.281	-	-	17.995	-	-	16.024	-	-	-	16.024		
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
(†) indicates the presence of a P-5a																				
Footnotes:																				
(1) training devices will allow CNIC to meet OPNAVINST, NAVAIR, Department of Defense and National Fire Protection Association standards for Fire Service training requirements. The live fire training device will ensure proficiency of fire rescue personnel.. The live fire training device will ensure proficiency of fire rescue personnel.																				
(2) FY21 budget procures separator systems to replace current inventory. Quantity decrease reflects life cycle phase replacement goals.																				
(3) FY21 budget continues to support replacement of current port operations equipment that is approaching the end of its service life. Increase reflects life cycle phase replacement goals at New London, Guam, Hawaii and NAVSTA Norfolk.																				
(4) FY21 budget procures camels to replace current inventory. Quantity decrease reflects life cycle phase replacement goals.																				
(5) There is no current requirement for a new paint maintenance barge in FY21. FY20 provided funding to fulfill the requirement for a new Barge.																				
(6) FY21 decrease associated with previously purchased camel for Naval Station Norfolk.																				
(7) FY21 budget continues to support replacement of current port operations equipment that is approaching the end of its service life.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8118 / Operating Forces Support Equipment	Aggregated Items Title: Operating Forces Supt Equip
(8) Need to replace 3 steel camels in FY20-FY22. Replacing composite camels FY23-FY25.		
(9) FY21 increase associated with a new Paint Float that is currently being designed.		
(10) FY21 budget procures fenders to replace current inventory. Quantity decrease reflects life cycle phase replacement goals.		
(11) FY21 decrease associated with a specialized dock used at Yokosuka, Japan that is not procured on a regular basis.		
(12) FY21 budget procures Ship Brows. Quantity increase reflects life cycle phase replacement goals.		
(13) FY21 budget process procures fenders to fulfill new requirements at Naval Station Mayport to support the increase in new LCS ships coming online.		
(14) Continued funding for FY19 EDI milcon projects. This money was spread throughout several BSOs.		
(15) [USFFC] Funds support the procurement of three forklifts. Two (2) will be electric forklifts for Combined Task Force Five One (CTF51) at Naval Support Activity Bahrain. The other forklift will be an all-terrain forklift for Deployable Joint Command and Control (DJC2). Unit cost varies.		
(16) Patrol Craft SIGINT - BTR transfer from BSO60 to BSO39 August 2018		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8118 / Operating Forces Support Equipment					Aggregated Items: Operating Forces Supt Equip				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Commander, Navy Installations Command (CNIC)												
1.2) Mobile Aircraft Training Devices		2016	KFT/Fireblast / New MFG - CA/NJ	MIPR	DLA	Apr 2016	Apr 2016	1	1,088K	Y		
1.2) Mobile Aircraft Training Devices		2017	KFT/Fireblast / New MFG - CA/NJ	MIPR	DLA	Jun 2017	Jun 2017	1	1,018K	N	Jun 2017	
1.2) Mobile Aircraft Training Devices		2018	KFT/Fireblast / New MFG - CA/NJ	C / TBD	** NO PCO **	Jun 2018	Jun 2018	1	1,080K	N	Jun 2018	
1.2) Mobile Aircraft Training Devices		2019	KFT/Fireblast / New MFG - CA/NJ	C / TBD	** NO PCO **	Jun 2019	Jun 2019	1	1,110K	N	Jun 2019	
1.4) Submarine Deep Draft Camel (N/S Design) (SEAWOLF) ⁽³⁾		2016	LBI / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2015	Oct 2015	3	765,000.00	Y		
1.4) Submarine Deep Draft Camel (N/S Design) (SEAWOLF) ⁽³⁾		2017	LBI / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2016	Oct 2016	1	713,000.00	N		
1.4) Submarine Deep Draft Camel (N/S Design) (SEAWOLF) ⁽³⁾		2020	LBI / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2019	Oct 2019	1	560,000.00	N		
1.6) Paint Maintenance Barge (65 Foot Lift) ⁽⁵⁾		2016	Armstrong Marine, INC / JB PEARL HARBOR-HICKAM	C / FP	NSWC	Oct 2015	Oct 2015	2	465,000.00	Y		
1.6) Paint Maintenance Barge (65 Foot Lift) ⁽⁵⁾		2017	Armstrong Marine, INC / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2016	Oct 2016	1	471,000.00	N		
1.6) Paint Maintenance Barge (65 Foot Lift) ⁽⁵⁾		2018	Armstrong Marine, INC / JB PEARL HARBOR-HICKAM	C / TBD	** NO PCO **	Oct 2017	Oct 2017	2	430,000.00	N		
2) USFRC Overseas Contingencies Operations												
2.2) [USFFC] OCO Land Mobile Radio System	✓	2019	Naval Air Warfare Center / PAX River	WR	** NO PCO **	Oct 2019	Dec 2019	1	1,150K	N	Nov 2019	
3) Patrol Craft SIGINT Capability												
3.1) Patrol Craft SIGINT Equipment (16)	✓	2018	TBD / TBD	C / TBD	** NO PCO **	Mar 2019	Sep 2019	5	2,396K	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment										P-1 Line Item Number / Title: 8120 / C4ISR Equipment			
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	115.943	3.576	25.831	6.697	0.000	6.697	5.253	3.612	3.664	3.739	-	168.315	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	115.943	3.576	25.831	6.697	0.000	6.697	5.253	3.612	3.664	3.739	-	168.315	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	115.943	3.576	25.831	6.697	0.000	6.697	5.253	3.612	3.664	3.739	-	168.315	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	0.350	-	0.350	0.309	0.316	0.320	-	-	1.295	
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: The FY 2021 funding request was reduced by -\$4.0 million to account for the availability of prior year execution balances.													
Navy Expeditionary Command, Control, Communications, Computers, & Intelligence (C4I): Provides procurement, integration and initial training of Small, Medium and Large Scale Communication Systems across Navy Expeditionary Forces (NEF), both Active Component (AC) and Reserve Component (RC). These efforts also include convergence to a common Shore-Based Expeditionary C4I baseline, a single cybersecurity Risk Management Framework (RMF) Authority to Operate (ATO), and the outfitting of Expeditionary Forces' Table of Allowances (TOA) equipment requirements, which includes Navy Enterprise Tactical Command and Control (NETC2) (V1 and V2), Rapid Response Kits (RRKs), roll on/roll off C2 suite in support of Expeditionary Mine Countermeasures (ExMCM), referred to as Expeditionary Carry-on Network (ExCON), and Assured Command and Control (AC2) modems.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				P-1 Line Item Number / Title: 8120 / C4ISR Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A			Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / C4ISR Equipment	P-5a, P-21			- / 115.943	- / 3.576	- / 25.831	- / 6.697	- / 0.000	- / 6.697
P-40	Total Gross/Weapon System Cost				- / 115.943	- / 3.576	- / 25.831	- / 6.697	- / 0.000	- / 6.697

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Starting in FY 2021, funding to support the Deployable Mission Support Systems (DMSS) was realigned to budget line item 8645, an approved Cyber Mission Resource Budget line. This funding realignment accounts for the majority of the -\$19.134 million budget decrease for LI 8120 from FY 2020 to FY 2021.

FY21 funds required for procurement, integration, fielding and modernization of Small, Medium and Large Scale Communication Systems for Naval Expeditionary forces. Additionally, program funds procure, integrate, field and modernize tactical C4I, including Rapid Response Kits (RRK), rapid-deployable, roll on/roll off C2 suite to support Expeditionary Mine Countermeasures (ExMCM), referred to as Expeditionary Carry-on Network (ExCON), and Assured Command and Control (AC2) modems, which, in the event of a denied communications environment, provides increased data throughput and Satellite Communication (SATCOM) reliability.

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Exhibit P-5, Cost Analysis: PB 2021 Navy												Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8120 / C4ISR Equipment												Item Number / Title [DODIC]: 1 / C4ISR Equipment			
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:						
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (<i>Units in Each</i>)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				115.943		3.576		25.831		6.697		0.000		6.697				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				115.943		3.576		25.831		6.697		0.000		6.697				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				115.943		3.576		25.831		6.697		0.000		6.697				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		0.350		-		0.350				
Gross/Weapon System Unit Cost (\$ in Thousands)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware - Navy Expeditionary C4I Cost																		
Recurring Cost																		
1.1.1) Navy Expeditionary C4I - Active Component ⁽¹⁾	-	-	26.266	-	-	2.742	-	-	7.879	-	-	6.227	-	-	-	-	-	6.227
1.1.2) Navy Expeditionary C4I - Reserve Component	-	-	6.384	-	-	0.834	-	-	1.572	-	-	0.470	-	-	-	-	-	0.470
<i>Subtotal: Recurring Cost</i>	-	-	32.650	-	-	3.576	-	-	9.451	-	-	6.697	-	-	-	-	-	6.697
<i>Subtotal: Hardware - Navy Expeditionary C4I Cost</i>	-	-	32.650	-	-	3.576	-	-	9.451	-	-	6.697	-	-	-	-	-	6.697
Hardware - Consolidated Prior Year Requirements Cost																		
Recurring Cost																		
2.1.1) Consolidated Prior Year Requirements	-	-	83.293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Recurring Cost</i>	-	-	83.293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Hardware - Consolidated Prior Year Requirements Cost</i>	-	-	83.293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Support - USFFC BSO 60 Cost																		
3.1) Deployable Mission Support Systems (DMSS) Kits ^{(1) (2)}	-	-	-	-	-	-	-	819.000	20	16.380	-	-	-	-	-	-	-	
<i>Subtotal: Support - USFFC BSO 60 Cost</i>	-	-	-	-	-	-	-	-	-	16.380	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2021 Navy												Date: February 2020											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2				P-1 Line Item Number / Title: 8120 / C4ISR Equipment								Item Number / Title [DODIC]: 1 / C4ISR Equipment											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
Gross/Weapon System Cost	-	-	115.943	-	-	3.576	-	-	25.831	-	-	6.697	-	-	0.000	-	-	6.697					

(†) indicates the presence of a P-5a

Footnotes:

(1) Quantities are not provided for either the Active or Reserve components since various piece parts are being procured for small, medium, and large-scale asset modernization based on Navy Expeditionary Combat Command (NECC) approved requirements and priorities via quarterly Technical Review Boards. There are also no associated installation costs. The program is buying more quantities of equipment to support the additional Expeditionary Mine Countermeasures (ExMCM) Companies as approved in the Table of Allowance (TOA) equipment requirements within Expeditionary Forces, as well as Navy Enterprise Tactical Command and Control (NETC2) for Active and Reserve Components. FY 2021 decreased due to a Technical Correction between Command, Control, Communications, Computers, and Intelligence, Surveillance, and Reconnaissance (C4ISR) Equipment (8120) and Physical Security Equipment (8128).

(2) Starting in FY 2021, funding to support the Deployable Mission Support Systems (DMSS) was realigned to budget line item 8645, an approved Cyber Mission Resource Budget line. Unit cost is an estimate. Cost of each kit is dependent on a number of factors to include location of usage, hardware requirements, software updates required, and software licensing fees.

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8120 / C4ISR Equipment					Item Number / Title [DODIC]: 1 / C4ISR Equipment				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1) Deployable Mission Support Systems (DMSS) Kits ^(†)		2020	NIWC PAC / San Diego, CA	C / FFP	NIWC PAC	Jul 2020	Sep 2020	20	819.000	N	Jul 2019	Mar 2020

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Navy																			Date: February 2020											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2										P-1 Line Item Number / Title: 8120 / C4ISR Equipment										Item Number / Title [DODIC]: 1 / C4ISR Equipment										
Cost Elements (Units in Each)						Fiscal Year 2020												Fiscal Year 2021												
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E
3.1) Deployable Mission Support Systems (DMSS) Kits (2)																													0	
1	2020	NAVY	20	0	20	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0

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Exhibit P-21, Production Schedule: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8120 / C4ISR Equipment					Item Number / Title [DODIC]: 1 / C4ISR Equipment				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NIWC PAC - San Diego, CA			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					P-1 Line Item Number / Title: 8126 / Environmental Support Equipment												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A									
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total					
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)	140.082	33.856	22.186	27.503	0.000	27.503	27.715	26.328	26.693	27.217	Continuing	Continuing					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) (\$ in Millions)	140.082	33.856	22.186	27.503	0.000	27.503	27.715	26.328	26.693	27.217	Continuing	Continuing					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)	140.082	33.856	22.186	27.503	0.000	27.503	27.715	26.328	26.693	27.217	Continuing	Continuing					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Flyaway Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Description:																	
ACOUSTIC MEASUREMENT SYSTEM - Lifecycle replacement and upgrade of digital acoustic measurement systems which provides data used to build gridded databases of layered geoacoustic descriptions of the ocean floor, collects anti-submarine warfare support measurements, produces high resolution anti-submarine warfare area assessment products, and serves to provide critical environmental input to acoustic transmission loss models. System consists of multi-channel variable depth buoys, shipboard data acquisition, control, and processing support systems. Buoys acquire data, provide signal conditioning and gain, and store data in digital form.																	
ACOUSTIC POSITIONING SYSTEM ULTRA SHORT BASELINE (USBL) - The positioning system is an Ultra Short Baseline (USBL) Acoustic Positioning System (APS) used to provide high accuracy navigation and location of towed bodies and Autonomous Underwater Vehicles (AUVs) deployed from T-AGS 60 oceanographic survey vessels. The APS is permanently installed aboard each vessel and supports tracking objects within a 5000m radius. It is used to precisely locate lost vehicles or instrumentation for recovery. Current navigation systems rely on approximations which results in imprecise location data and degraded environmental data. This can lead to increased processing time and risk of missed coverage. With the ability of APS, accurate location data is received thus the cost, practicality, and search time a lost vehicle is reduced during recovery.																	
DIGITAL SIDE SCAN SONAR (SHIP) - Additional high-speed, high-resolution side scan sonar systems are required to meet requirements supporting Mine Warfare (MIW) Operations. The intended system procured will be installed aboard USNS HENSON and additional T-AGS 60 class ships to replicate the system aboard USNS HEEZEN. The procurement will facilitate simultaneous collection of high-resolution imagery at mine warfare resolutions and frequencies. The imagery data is required to generate products that directly support mine warfare, hydrographic, and oceanographic requirements. Side scan sonar data is critical for the detection of small mine-like targets as well as hazards-to-navigation (e.g. wrecks) and characterizing the sea floor over large areas (geoprovincing). This data is fundamental to execute MIW change-detection doctrine comparing historical data to current data to determine mine-threats.																	
FLEET SURVEY TEAM (FST) UNMANNED SURFACE VEHICLES (USV) - Autonomous Unmanned Surface Vehicles (USVs) deployable package and associated subsystems to include Multi-Beam Echo Sounder (MBES), Inertial Navigation System (INS), sound velocity sensors/profilers, controller units, data collection workstations, data processing workstations, applicable data collection software licenses, packaging and shipping containers, and associated spares.																	
INTEGRATED SUB-BOTTOM PROFILER - The sub-bottom profiler system provides high-resolution digital acoustic data that describes the physical depth and acoustic characteristics of the ocean bottom and its subsurface layers over full ocean depth. This data is used to develop products in support of Anti-Submarine Warfare (ASW) and Mine Warfare (MIW) programs with tactical environmental data. The sub-bottom profiler is also used to identify suitable deployment areas for installing bottom-mounted navigational beacons supporting Autonomous Underwater Vehicle (AUV) operations. These systems are life cycle																	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
replacements for existing Sub Bottom Profiler systems that have exceeded life expectancy and do not currently provide high resolution digital acoustic data with precision positioning and navigational capability that is required for MIW missions.		
AIRBORNE LIDAR SYSTEM - The Coastal Zone Mapping and Imaging Light Detection and Ranging (CZMIL) replaces the Compact Hydrographic Airborne Rapid Total Survey (CHARTS) system. CZMIL is an aircraft mounted Light Detection and Ranging (LIDAR) system used to conduct expeditionary and rapid response hydrographic surveys in near-shore areas and areas inaccessible by ship or survey launch. Routine life cycle replacement maintains technology refresh, precludes obsolescence of equipment and repair parts/maintenance, and maintains survey reliability.		
DEEP MULTIBEAM REPLACEMENT - The full ocean multibeam sonar system is the primary ship-mounted ocean mapping tool used for surveys in water depths greater than 300m. The deep-water multibeam system is a state-of-the-art, commercial, one-by-one degree system with a maximum swath coverage of six times water depth. The system will be installed on all T-AGS 60 class ships as a life-cycle replacement for the existing deep water multibeam system (EM121A). The deep water multibeam system (EM121A) has exceeded its life expectancy and will no longer be supported by the manufacturer. Multibeam systems collect deep-water bathymetry data required to support special chart production for the Navy. If the deep-water multibeam systems are not replaced, the T-AGS 60 ships will lose the capability to support the Navy's requirement for deep and mid-water bathymetry data products.		
SHALLOW WATER MULTIBEAM - The shallow water multibeam sonar system is the primary sea-floor mapping system in the littoral (50-500m). Without this data: 1) surface and sub-surface littoral navigation charts would not be updated with accurate, high resolution bathymetry, 2) high-resolution littoral bathymetry required for running ocean (currents, waves, tides) models supporting anti-submarine warfare, naval special warfare and mine warfare applications would not be available and 3) high-resolution littoral bathymetry required for running acoustic models for anti-submarine warfare would not be available.		
SHALLOW WATER SEISMIC SYSTEM - Lifecycle replacement and upgrades to seismic systems are needed to meet existing requirements for geophysical measurements in shallow to mid-depth water environments. The systems will be roll-on/off systems and consist of a sub-bottom profiler for medium to deep measurements. These systems are designed to meet requirements for geophysical measurements to support database construction. These databases are an essential part of acoustic prediction systems and support to Anti-Submarine Warfare (ASW) mission planning and execution.		
EUROPEAN DETERRENCE INITIATIVE - Procurement and deployment of 100+ Profiling Floats to collect depth-varying water column data to improve Navy Meteorological and Oceanographic (METOC) ocean models. Procurement of Maritime Acoustic Collection - Ocean Surveillance (MACOS) systems to collect data to build gridded bottom loss and ambient noise data bases. Both will inform ASW area assessment products, and provide critical environmental input to fleet acoustic Tactical Decision Aids (TDAs). MACOS consists of an Advanced Capability Glider, hydrophone array(s), data storage and processing capability, associated oceanography information, communication hardware and software, and maintenance support systems.		
CONDUCTIVITY TEMPERATURE DEPTH (CTD) OPTICS PINGER SYSTEM - The Conductivity, Temperature, and Depth (CTD)-OPTICS-Pinger Systems are a Life Cycle Replacement of the existing TAGS 60 Class shipboard system. The systems are used for the physical oceanographic acquisition and processing of shallow and deep ocean water. The optics sensors interface with CTD Sensors and provide high data quality needed to support such functions as Anti-Submarine Warfare (ASW) and MIW and special projects.		
OPTSEO - Timing, Time Transfer, Earth Orientation Parameters (EOP) Delivery - This conglomerate system consists of a series of high accuracy clocks and instrumentation assets that generate crucial parameters for Global Positioning System (GPS), including time and EOPs. Included in the time generation, time transfer and EOP delivery system are Rubidium (Rb) Fountain Clocks, hydrogen masers, precise time measurement systems, environmental conditioning chambers and clean rooms to maintain precise temperature and humidity controls, a distribution amplifiers antennae and associated equipment, transceivers, GPS Monitoring, and EOP instrumentation. Tech refreshes, instrumentation upgrades, and modernization of components are crucial for maintaining time and EOP standards.		
OPCRM - Celestial Reference Frame (CRF) Management - The celestial measurements that secure Celestial Reference Frame (CRF) and Earth Orientation Parameters (EOP) are taken with high precision visible, infrared, and radio optics instrumentation. The CRF aggregate system operates telescopes across the world to meet the requirements. Many of the systems require high performance computing assets to compile large volumes of data and ready it for distribution. This network of instrumentation, auxiliary electronics and computing systems require regular technical refreshes, instrumentation upgrades and component modernization to provide CRF data. This includes telescope component upgrades, electronics upgrades, next generation detector and camera development, cooling system facility upgrades and software correlator continuity of operations builds. These activities are required to maintain the infrastructure that provides CRF and EOP data.		
[P40A / Acoustic Measurement System]: Funding to support updated technology and capability changes. The new system will include an All-in-One underwater enclosure and anchoring system to the ocean floor.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / Acoustic Positioning System (USBL)]: funding supports digital acoustic measurement systems that are used to collect data to build gridded databases of layered geo-acoustic descriptions of the ocean floor and low frequency bottom loss databases, collect fleet anti-submarine warfare support measurements, produce high resolution anti-submarine warfare area assessment products, and provide critical environmental input to acoustic transmission loss models. The system consists of multi-channel variable depth buoys, shipboard data acquisition, control, and processing support systems. Buoys acquire the data, provide signal conditioning and gain, and store the data in digital form.		
[P40A / Digital Side Scan Sonar (SHIP)]: Funding supports procurement of digital side scan sonar systems as needed on a life cycle replacement schedule.		
[P40A / Fleet Survey Team (FST) Unmanned Surface Vehicles]: FY21 is a one-time increase for Unmanned Surface Vehicles (USVs) which are utilized to conduct Hurricane and Humanitarian Assistance response missions as well as Safety of Navigation missions.		
[P40A / Integrated Sub Bottom Profiler]: Funding supports procurement of two (2) sub-bottom profiler systems that provide high-resolution digital acoustic data. The data is used to create Anti-Submarine Warfare (ASW) and Mine Warfare (MIW) programs in tactical environmental data. The sub-bottom profiler systems installed on Autonomous Underwater Vehicles (AUVs) as navigational beacons to identify suitable deployment areas.		
[P40A / Airborne Lidar System]: Funding supports replacement of the Compact Hydrographic Airborne Rapid Total Survey (CHARTS) for the Coastal Zone Mapping and Imaging LIDAR (CZMIL) system. CZMIL is an aircraft mounted Light Detection and Ranging (LIDAR) system used to conduct expeditionary and rapid response hydrographic surveys in near-shore areas and areas inaccessible by ship or survey launch. Routine life cycle replacement maintains technology refresh, precludes obsolescence of equipment and repair parts/maintenance, and maintains survey reliability.		
[P40A / Deep Multibeam Replacement]: Funding supports replacement equipment associated with the Deep Water Multi-beam. There are six T-AGS Oceanographic Ships deployed at any given time year round. The unit costs are dependent upon many factors such as whether we are purchasing an entirely new system, upgrades/lifecycle replacement of equipment, software or hardware components of the systems, etc. Install cost is also dependent on when and where the equipment is to be installed (CONUS or OCONUS).		
[P40A / Shallow Water Multibeam]: Funding supports replacements parts for shallow water multibeam sonar system. Shallow water multi-beam is the primary sea-floor mapping system in the littoral (50-500 meters of water).		
[P40A / European Deterrence Initiative]: Funding supports deployment of 100+ Profiling Floats to collect depth-varying water column data to improve Navy METOC ocean models. Acquisition of Maritime Acoustic Collection Oceanographic Surveillance (MACOS) systems to collect data to build gridded bottom loss and ambient noise data bases. Both will inform Anti-Submarine Warfare area assessment products, and provide critical environmental input to fleet acoustic Tactical Decision Aids (TDAs). MACOS consists of an Advanced Capability Glider, hydrophone array(s), data storage and processing capability, associated oceanography information, communication hardware and software, and maintenance support systems. Contract physical scientist(s) for data validation and verification, and processing; technician(s) for MACOS deployment, recovery and maintenance; and logistician(s) to assist with MACOS and associated equipment storage and shipping. Acquire equipment and parts necessary to refurbish and maintain MACOS systems. Contract physical scientist(s) and/or technician(s) for Profiling Float deployment and logistician(s) for Profiling Float storage and shipping.		
[P40A / CTD Optics Pinger System LCR]: Funding supports a Life Cycle Replacement of the existing TAGS 60 Class shipboard system. The systems are used for the physical oceanographic acquisition and processing of shallow and deep ocean water. The optics sensors interface with the CTD Sensors and provide high data quality needed to support such Navy Functions as Anti-submarine Warfare (ASW) and Mine Warfare and Special Projects.		
[P40A / OPTSEO Timing, Time Transfer, EOP Delivery]: Funding supports a laser system for optical beam clocks the life Cycle replacement of two steerable clocks, and the piecewise replacement of multi-channel master clock measurements system.		
[P40A / OPCRFM Celestial Reference Frame (CRF) Management]: Funds for Very Long Baseline Interferometry realigned from Celestial Reference Frame (CRF) Management. FY21 funds will support Earth Orientation Parameters (EOP) Software Correlator solid state storage replacement with continuity of operations.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network)]: Funding supports the outfitting of a building (P-001) to house the USNO network to include planning, design, relocation, procurement, and installation of mission related equipment.		
[P40A / Precise Time and Astrometry Network (PTA Network)]: Precise Time and Astrometry Network (PTA Network) is the network supporting the Master Clock at the United States Naval Observatory (USNO) and the Alternate Master Clock (AMC) located in Colorado Springs, CO. The time derived from USNO, known as Coordinated Universal Time (UTC (USNO)), is the primary time reference for the Department of Defense. The network also supports USNO's determination of the Celestial Reference Frame (CRF), as well as Earth Orientation Parameters (EOP). Together, this data provides essential mission critical information for navigation, orientation, targeting and weapons guidance, tracking of space-based platforms, and identification of space objects. Funding is required to remediate critical cyber security vulnerabilities on USNO networks, to include the PTA Network. Funding is for equipment modernization necessary to maintain the required security posture and ensure the resiliency of the PTA Network, which is of strategic importance for the execution of tactical operations. The PTA Network is composed of one network unit with ground sites in Washington, D.C., Colorado Springs, CO, and Flagstaff, AZ. Task Force Cyber Awakening (TFCA) was established to comprehensively address cyber security across the entire Navy cyber platform.		
[P40A / Primary Oceanographic Prediction Sys (POPS) & Oceanogr. Info Sys (OIS)]: OIS12 - Primary Oceanographic Prediction System (POPS) provides the key production engine enabling global meteorology and oceanography (METOC) support of the fleet. The required technology refreshment includes enhancements of the POPS hardware and software, models suite, observational data ingest capability, data distribution capability, and reach back customer support. The Oceanographic Information System (OIS) enhancements enables the collection, processing, and storage of global (hydrography/bathymetry) data that support the National Geospatial-Intelligence Agency in the creation/uploads of navigation charts for the Department of Defense in support of (surface and subsurface) safety of navigation. OPN funding profile of POPS and OIS is the result of an IT re-capitalization effort led by Program Executive Office Command, Control, Communications, Computers, and Intelligence (PEO C4I) leadership. It has since been used as a basis for planning our IT upgrades through the FYDP.		
[P40A / MILCON P-001 Precise Time and Astrometry Network (PTA Network)]: Shore Based Enterprise Network Enhancement; P-001 Master Time Clocks & Ops Facility is located in Washington D.C. These funds are essential for outfitting of building (P-001) required to support the Master Clock at the United States Naval Observatory (USNO) providing primary time reference, determination of the Celestial Reference Frame (CRF), as well as Earth Orientation Parameters (EOP) for the Department of Defense. Relocating USNO's mission equipment will require additional supporting network, specialized equipment to move the clocks and correlator, a variety of new equipment racks, display monitors, and other various furnishings.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				8126 / Environmental Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Environmental Support Equipment	P-5a			- / 140.082	- / 33.856	- / 22.186	- / 27.503	- / -	- / 27.503
P-40	Total Gross/Weapon System Cost				- / 140.082	- / 33.856	- / 22.186	- / 27.503	- / 0.000	- / 27.503
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification:										
FY 2021 line item increase of \$5.317 million due to increase in requirements.										
Acoustic Measurement System: FY21 decrease of \$.585M due to Lifecycle replacement and upgrade of digital acoustic measurement systems not being required in FY21.										
Acoustic Position System: FY21 decrease of \$0.070M is due to obtaining a more efficient way to update the Acoustic position system technology from HIPAP 501 to HIPAP 502 to provide high accuracy navigation and location of towed bodies and Autonomous Underwater Vehicles (AUVs) deployed from oceanographic survey vessels.										
Digital Side Scan Sonar (SHIP): FY21 decrease of \$0.348M is due to decreasing the number of digital side scan sonar being procured. The increase in unit cost is due to including the procurement of spare part with the procurement of 1 digital side scan sonar. In FY20 two Digital Side Scan Sonars were procured with no spare parts included.										
Fleet Survey Team (FST) Unmanned Surface Vehicle: FY21 increase of \$0.500M is to support an Autonomous Unmanned Surface Vehicles (USVs). Two Unmanned Surface Vehicles will be procured to replace existing Fleet Survey Team USVs utilized to conduct Hurricane / Humanitarian Assistance response missions as well as Safety of Navigation missions.										
Integrated Sub Bottom Profiler: FY21 decrease of \$0.290M is due to the unit cost to procure two (2) systems being less expensive than FY20 due to the T-AGS ship Sub Bottom Profiler being replaced.										
Airborne Lidar System: FY21 increase of \$0.860M supports the procurement of Coastal Zone Mapping and Imaging LIDAR (CZMIL) which replaces the Compact Hydrographic Airborne Rapid Total Survey (CHARTS) system. CZMIL is an aircraft mounted Light Detection and Ranging (LIDAR) system used to conduct expeditionary and rapid response hydrographic surveys in near-shore areas and areas inaccessible by ship or survey launch.										
Deep Multibeam Replacement: FY21 increase of \$0.030M due to current market price of replacement parts for the primary ship-mounted ocean mapping tool used for surveys in water depths greater than 300m. The deep-water multibeam system is a state-of-the-art, commercial, one-by-one degree system.										
Shallow Water Multibeam: FY21 decrease of \$0.055M due to current market price for updates to the shallow water multibeam sonar system is the primary sea-floor mapping system.										
European Deterrence Initiative: FY21 increase of \$0.232M supports procurement of Maritime Acoustic Collection - Ocean Surveillance (MACOS) systems to create gridded bottom loss and ambient noise databases.										
Conductivity, Temperature, and Depth (CTD) Optics Pinger System: FY21 funding is unchanged supports life cycle replacement schedule. One system is being replaced and installed on each T-AGS ship. The optics sensors interface with the CTD Sensors and provide high data quality needed to support such functions as Anti-Submarine Warfare (ASW) and Mine Warfare and Special Projects.										

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8126 / Environmental Support Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
OPTSEO - Timing, Time Transfer, EOP Delivery: FY21 decrease of \$0.741M is due to Lifecycle maintenance cycle on the Two-way Satellite Time Transfer (TWISTT) Portable Link System and procurement of next generation transceivers for time transfer rather than procuring a Two-way Satellite Time Transfer (TWISTT) Portable Link System.		
OPCRFM - Celestial Reference Frame (CRF) Management: FY21 increase of \$2.487M funds will support duplication of Earth Orientation Parameters (EOP) Software Correlator solid state storage replacement with continuity of operations. Funds for Very Long Baseline Interferometry realigned to Celestial Reference Frame (CRF) Management.		
NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network): FY21 decrease of \$0.492M is due to planned phase two (2) of completion of initial outfitting of MILCON P-001.		
MILCON P-001 PTA Network: FY21 decrease of \$1.041M is due to the transition to phase two (2) of the P-001 PTA MILCON Requirement. FY20 supported phase one (1), which funded the planning and procurement of core services. FY21 supports phase two (2), which funds the relocation and integration of USNO's mission equipment that require an additional supporting network, specialized equipment to move the clocks and correlator, a variety of new equipment racks, display monitors, and other various furnishings.		
PTA Network: FY21 increase of \$0.320M supports engineering efforts associated with PTA Network Storage, Switch and Router upgrades required for technical refreshes, which are necessary to maintain and enhance the required security of the modernized network due to technical obsolescence, as well as critical cyber and physical vulnerabilities.		
POPS-OIS: FY21 increase of \$4.7M from FY20 to FY21 will support an increased rate of hardware technical refreshes and replacements needed to satisfy each systems increased cybersecurity requirements. Upgrades of End-of-Life (EoL) and End-of-Service (EoS) processing, storage, High Performance Computing (HPC) centers, and archives system components along with associated software.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8126 / Environmental Support Equipment									Aggregated Items Title: Environmental Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1) Environmental Support Equipment																				
1.1) Acoustic Measurement System (1)(t)	A		0.471	4	1.883	-	-	-	0.585	1	0.585	-	-	-	-	-	-	-	-	
1.2) Acoustic Positioning System (USBL) (2)(t)	A		0.524	5	2.619	-	-	-	0.670	1	0.670	0.600	1	0.600	-	-	-	0.600	1	0.600
1.3) Digital Side Scan Sonar (SHIP) (3)(t)	A		0.645	8	5.162	0.517	1	0.517	0.394	2	0.788	0.440	1	0.440	-	-	-	0.440	1	0.440
1.4) Fleet Survey Team (FST) Integrated Survey Platform(t)	A		0.866	3	2.599	0.870	1	0.870	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Fleet Survey Team (FST) Unmanned Surface Vehicles (4)(t)	A		-	-	-	-	-	-	-	-	-	0.250	2	0.500	-	-	-	0.250	2	0.500
1.7) HSL Mission Equipment (Installation)	A		0.617	12	7.404	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) Integrated Sub Bottom Profiler (5)(t)	A		0.648	3	1.944	0.775	1	0.775	0.645	2	1.290	0.500	2	1.000	-	-	-	0.500	2	1.000
1.9) Long Term Ambient Noise Recording & Reporting System baseline	A		0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) Master Clock Systems(t)	A		0.461	13	5.992	1.795	1	1.795	-	-	-	-	-	-	-	-	-	-	-	-
1.11) OIS Architecture	A		1.554	7	10.876	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.12) POPS	A		2.313	8	18.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) Portable Multibeam Replacement	A		0.654	4	2.617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.14) POPS-MET Enhancements	A		3.285	7	22.998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.15) POPS Enhancements	A		2.240	2	4.480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.16) Ship Moving Vessel Profiler (MVP)	A		0.610	2	1.220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.17) Time Distribution System(t)	A		0.736	8	5.890	1.737	1	1.737	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8126 / Environmental Support Equipment									Aggregated Items Title: Environmental Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1.18) Very Long Baseline Interferometry	A		0.685	6	4.109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.19) Airborne Lidar System ^{(6)(†)}	A		-	-	-	1.352	1	1.352	-	-	-	0.860	1	0.860	-	-	-	0.860	1	0.860
1.20) Deep Multibeam Replacement ^{(7)(†)}	A		4.091	2	8.182	3.389	1	3.389	3.130	1	3.130	3.160	1	3.160	-	-	-	3.160	1	3.160
1.21) Near Real-Time Profiling Arrays	A		0.834	1	0.834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.22) Shallow Water Multibeam ^{(8)(†)}	A		1.074	2	2.148	1.170	1	1.170	1.705	1	1.705	1.650	1	1.650	-	-	-	1.650	1	1.650
1.23) Shallow Water Seismic System ^(†)	A		0.368	2	0.736	0.593	1	0.593	-	-	-	-	-	-	-	-	-	-	-	
1.24) Navy Precision Optical Interferometer	A		1.013	3	3.039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.25) Task Force Cyber Awakening (TFCA) - U.S. Naval Observatory	A		6.068	1	6.068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.26) Advanced Weather Interactive Processing System (AWIPS)	A		1.229	1	1.229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.27) SUS CONTAINER {60}	A		0.370	1	0.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.28) SSBN Support {60}	A		0.400	1	0.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.29) Long Term Ambient Noise Recording & Reporting System ^(†)	A		-	-	-	1.500	1	1.500	-	-	-	-	-	-	-	-	-	-	-	
1.30) European Deterrence Initiative ^{(9)(†)}	A		-	-	-	-	-	-	0.200	1	0.200	0.432	1	0.432	-	-	-	0.432	1	0.432
1.31) Rigid Hull Inflatable Boats - Global Mine ^(†)	A		-	-	-	0.350	2	0.700	-	-	-	-	-	-	-	-	-	-	-	
1.33) CTD Optics Pinger System LCR ^{(10)(†)}	A		-	-	-	-	-	-	0.670	1	0.670	0.670	1	0.670	-	-	-	0.670	1	0.670
1.34) MACOS Unmanned Hydrographic UUV	A		6.000	1	6.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.35) OPTSEO Timing, Time	A		-	-	-	-	-	-	2.630	1	2.630	1.889	1	1.889	-	-	-	1.889	1	1.889

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8126 / Environmental Support Equipment									Aggregated Items Title: Environmental Support Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Transfer, EOP Delivery ^{(11)(t)}																				
1.36) OPCRFM Celestial Reference Frame (CRF) Management ^{(12)(t)}	A		-	-	-	-	-	-	-	-	2.487	1	2.487	-	-	-	2.487	1	2.487	
1.37) NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network) ^{(13)(t)}	A		-	-	-	2.945	1	2.945	1.162	1	1.162	0.670	1	0.670	-	-	0.670	1	0.670	
<i>Subtotal: 1) Environmental Support Equipment</i>			-	-	127.705	-	-	17.343	-	-	12.830	-	-	14.358	-	-	-	-	14.358	
2) NAVWAR Environmental Support Equipment																				
2.1) Precise Time and Astrometry Network (PTA Network) ^{(14)(t)}	A		1.433	2	2.865	6.936	1	6.936	1.626	1	1.626	1.904	1	1.904	-	-	-	1.904	1	1.904
2.2) Primary Oceanographic Prediction Sys (POPS) & Oceanogr. Info Sys (OIS) ⁽¹⁵⁾	A		-	-	9.512	-	-	9.577	-	-	5.648	-	-	10.200	-	-	-	-	10.200	
2.3) MILCON P-001 Precise Time and Astrometry Network (PTA Network) ^{(16)(t)}	A		-	-	-	-	-	-	2.082	1	2.082	1.041	1	1.041	-	-	-	1.041	1	1.041
<i>Subtotal: 2) NAVWAR Environmental Support Equipment</i>			-	-	12.377	-	-	16.513	-	-	9.356	-	-	13.145	-	-	-	-	13.145	
Total			-	-	140.082	-	-	33.856	-	-	22.186	-	-	27.503	-	-	-	-	27.503	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(t) indicates the presence of a P-5a

Footnotes:

- (1) FY21 decrease due to Lifecycle replacement and upgrade not being required in FY21.
- (2) FY21 decrease due to current market price of updated technology.
- (3) FY21 decrease due to the number of sonars being procured.
- (4) FY21 increase for procurement of two Fleet Survet Team (FST) Unmanned Surface Vehicles.
- (5) FY21 decrease due to planned life cycle replacement schedule of a T-AGS requiring a less expensive ship Sub Bottom Profilers.
- (6) FY21 increase due to planned life cycle replacement for Airborne Light Detection and Ranging (LIDAR) System.
- (7) FY21 increase due to current market price for replacement parts (depending on the vessel being upgraded).
- (8) FY21 decrease due to current market unit price.
- (9) FY21 increase supports the procurement of profiling floats and Maritime Acoustic Collection Oceanographic Surveillance (MACOS) systems.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8126 / Environmental Support Equipment	Aggregated Items Title: Environmental Support Equipment
(10) Funding is unchanged from FY20 to FY21.		
(11) FY21 decrease due to unit price of replacement and repair parts.		
(12) Newly created cost element to represent Very Long Baseline Interferometry. Funding will support Earth Orientation Parameters (EOP) Software Correlator solid state storage replacement.		
(13) FY21 decrease due to planned phase two (2) of completion of initial outfitting of MILCON P-001.		
(14) PTA79 - Precise Time and Astrometry Network (PTA Network) quantity is composed of one network unit with three ground sites (Washington, D.C.; Colorado Springs, CO; and Flagstaff, AZ) undergoing recurring technical refreshes. FY21 PTA Network funds will continue to support technical refreshes, which are necessary to maintain and enhance the required security of the modernized network due to technical obsolescence, as well as critical cyber and physical vulnerabilities. Increase in unit cost between FY20 and FY21 supports engineering efforts associated with PTA Network storage, switch and router upgrades.		
(15) FY21 increase of \$4.5M from FY20 to FY21 will support an increased rate of hardware technical refreshes and replacements needed to satisfy each systems increased cybersecurity requirements. Upgrades of End-of-Life (EoL) and End-of-Service (EoS) processing, storage, High Performance Computing (HPC) centers, and archives system components along with associated software. Primary Oceanographic Prediction Sys (POPS) & Oceanographic Info Sys (OIS) QTY's - In keeping with DoD and POPS guidelines, the OPN budget for lifecycle replacement due to equipment obsolescence, End-of-Life/End-of-Support (EoL/EoS) issues, and new technology insertion, was planned assuming a five year replacement cycle, with 20% of the system components replaced each year without increasing the server footprint. Replacing the EoL/EoS POPS system components with High Performance Computing (HPC) technology, data storage requirements, and the high-speed network connections between the computing and storage components is both complicated and expensive. New generations of HPC equipment and infrastructure components are required to meet the expanding FLENUMMETOCEN mission and cyber security requirements. In accordance with the POPS System Integration Master Plan (SIMP), the storage, networking, and compute nodes/memory are replaced on a five year cycle.		
(16) Decrease to unit cost from FY20 to FY21 is due to a phased funding approach in support of Precise Timing & Astrometry Networks (PTA Networks) Military Construction (MILCON) requirements. FY20 funded planning and procurement efforts associated with phase one (1). FY21 will support phase two (2), which funds the relocation and integration of PTA Network equipment.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8126 / Environmental Support Equipment					Aggregated Items: Environmental Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Environmental Support Equipment												
1.1) Acoustic Measurement System (1)		2020	KONGSBERG / Lynnwood, WA	C / FP	Kongsberg	Mar 2020	Mar 2020	1	0.585	N	Mar 2019	
1.2) Acoustic Positioning System (USBL) ⁽²⁾		2020	Kongsberg / SPAWAR	C / FFP	NAVMAR	Oct 2019	Oct 2019	1	0.670	N	Oct 2019	
1.2) Acoustic Positioning System (USBL) ⁽²⁾		2021	Kongsberg / SPAWAR	C / FFP	NAVMAR	Oct 2020	Oct 2020	1	0.600	N	Oct 2020	
1.3) Digital Side Scan Sonar (SHIP) ⁽³⁾		2019	Klein / Edge Tech / UNKNOWN	C / FP	Stennis Space Center, MS	Jul 2019	Nov 2019	1	0.517	Y		
1.3) Digital Side Scan Sonar (SHIP) ⁽³⁾		2020	Klein / Edge Tech / UNKNOWN	C / FP	Stennis Space Center, MS	Apr 2020	Apr 2020	2	0.394	N	Apr 2020	
1.3) Digital Side Scan Sonar (SHIP) ⁽³⁾		2021	Klein / Edge Tech / UNKNOWN	C / FP	Stennis Space Center, MS	Apr 2021	Apr 2021	1	0.440	N	Apr 2021	
1.4) Fleet Survey Team (FST) Integrated Survey Platform		2019	SeaArk Inc. / Arkansas	C / FP	NAVSEA	Mar 2019	Mar 2019	1	0.870	Y		
1.5) Fleet Survey Team (FST) Unmanned Surface Vehicles ⁽⁴⁾		2021	DLA / UNKNOWN	C / FP	Stennis Space Center, MS	Mar 2021	Mar 2021	2	0.250	Y	Oct 2021	
1.8) Integrated Sub Bottom Profiler (5)		2019	Kongsberg / Lynnwood, WA	MIPR	DCSP	Jul 2019	Nov 2019	1	0.775	Y		
1.8) Integrated Sub Bottom Profiler (5)		2020	Kongsberg / Lynnwood, WA	MIPR	DCSP	Mar 2020	Mar 2020	2	0.645	Y		
1.8) Integrated Sub Bottom Profiler (5)		2021	Kongsberg / Lynnwood, WA	MIPR	DCSP	Mar 2021	Mar 2021	2	0.500	N	Sep 2021	
1.10) Master Clock Systems		2019	FLC / Philadelphia	C / FP	FLC-Philadelphia	Feb 2019	May 2019	1	1.795	Y		
1.17) Time Distribution System		2019	FISC / FISC	C / FP	FISC	Oct 2019	Oct 2019	1	1.737	Y		
1.19) Airborne Lidar System ⁽⁶⁾		2019	Corp of Engineers / Arlington, VA	C / FP	corp of Engineer	Mar 2019	Mar 2019	1	1.352	N	Jun 2019	
1.19) Airborne Lidar System ⁽⁶⁾		2021	Corp of Engineers / Arlington, VA	C / FP	corp of Engineer	Mar 2021	Mar 2021	1	0.860	Y		
1.20) Deep Multibeam Replacement ⁽⁷⁾		2019	Kongsberg / Lynnwood, WA	MIPR	DCSP	Aug 2019	Jan 2020	1	3.389	Y		
1.20) Deep Multibeam Replacement ⁽⁷⁾		2020	Kongsberg / Lynnwood, WA	SS / FP	DCSP	Mar 2020	Mar 2020	1	3.130	Y		
1.20) Deep Multibeam Replacement ⁽⁷⁾		2021	Kongsberg / Lynnwood, WA	SS / FP	DCSP	Mar 2021	Mar 2021	1	3.160	Y		
1.22) Shallow Water Multibeam ⁽⁸⁾		2019	Kongsberg / Lynnwood, WA	C / FP	NAVO	Aug 2019	Jan 2020	1	1.170	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8126 / Environmental Support Equipment					Aggregated Items: Environmental Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.22) Shallow Water Multibeam ⁽⁸⁾		2020	Kongsberg / Lynnwood, WA	C / FP	DLA	Mar 2020	Mar 2020	1	1.705	Y		
1.22) Shallow Water Multibeam ⁽⁸⁾		2021	Kongsberg / Lynnwood, WA	C / FP	DLA	Mar 2021	Mar 2021	1	1.650	Y		
1.23) Shallow Water Seismic System		2019	Naval Oceanographic Office / Stennis Space Center, MS	C / FP	NAVO	Oct 2018	Oct 2018	1	0.593	Y		
1.29) Long Term Ambient Noise Recording & Reporting System	✓	2019	NIWC / San Diego, CA	WR	NIWC, San Diego	Jan 2019	Jan 2019	1	1.500	N		
1.30) European Deterrence Initiative ⁽⁹⁾	✓	2020	NAVSEA / Navy Yard	C / FP	** NO PCO **	Oct 2019	Oct 2019	1	0.200	N		
1.30) European Deterrence Initiative ⁽⁹⁾		2021	NAVSEA / Navy Yard	C / FFP	NAVSEA	Oct 2020	Oct 2020	1	0.432	N	Oct 2020	
1.31) Rigid Hull Inflatable Boats - Global Mine	✓	2019	United States Marine / Gulfport, MS	C / FFP	Gulfport, MS	May 2019	May 2019	2	0.350	N	Nov 2019	
1.33) CTD Optics Pinger System LCR ⁽¹⁰⁾		2020	NIWC / Charleston, SC	C / FP	TBD	Apr 2020	Apr 2020	1	0.670	Y		
1.33) CTD Optics Pinger System LCR ⁽¹⁰⁾		2021	NIWC / Charleston, SC	C / FP	TBD	Apr 2021	Apr 2021	1	0.670	Y		
1.35) OPTSEO Timing, Time Transfer, EOP Delivery ⁽¹¹⁾		2020	FLC / Philadelphia	C / FP	FISC	Mar 2020	Mar 2020	1	2.630	N	Mar 2020	
1.35) OPTSEO Timing, Time Transfer, EOP Delivery ⁽¹¹⁾		2021	FLC / Philadelphia	C / FP	FISC	Mar 2021	Mar 2021	1	1.889	N	Mar 2021	
1.36) OPCRFM Celestial Reference Frame (CRF) Management ⁽¹²⁾		2021	FLC/Philadelphia / FISC	C / FP	FLC-Philadelphia	Mar 2021	Mar 2021	1	2.487	N	Apr 2021	
1.37) NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network) ⁽¹³⁾		2019	FLC / FLC Philadelphia	C / FP	FLC-Philadelphia	Jan 2019	Jan 2019	1	2.945	N	Oct 2019	
1.37) NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network) ⁽¹³⁾		2020	FLC / FLC Philadelphia	C / FP	FLC-Philadelphia	Mar 2020	Mar 2020	1	1.162	N	May 2020	
1.37) NAVIFOR MILCON P-001 Precise Time and Astrometry Network (PTA Network) ⁽¹³⁾		2021	FLC / FLC Philadelphia	C / FP	FLC-Philadelphia	Mar 2021	Mar 2021	1	0.670	N	Mar 2021	
2) NAVWAR Environmental Support Equipment												
2.1) Precise Time and Astrometry Network (PTA Network) ⁽¹⁴⁾		2019	NIWC LANT / Charleston, SC	WR	NIWC LANT	Nov 2018	Jan 2019	1	6.936	Y		
2.1) Precise Time and Astrometry Network (PTA Network) ⁽¹⁴⁾		2020	NIWC LANT / Charleston, SC	WR	NIWC LANT	Nov 2019	Jan 2020	1	1.626	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8126 / Environmental Support Equipment					Aggregated Items: Environmental Support Equipment				
Item Number / Title [DODIC]	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1) Precise Time and Astrometry Network (PTA Network) ⁽¹⁴⁾		2021	NIWC LANT / Charleston, SC	WR	NIWC LANT	Nov 2020	Jan 2021	1	1.904	Y		
2.3) MILCON P-001 Precise Time and Astrometry Network (PTA Network) ⁽¹⁶⁾		2020	NIWC LANT / Charleston, SC	C / IDIQ	Charleston, SC	Nov 2019	Jan 2020	1	2.082	Y		
2.3) MILCON P-001 Precise Time and Astrometry Network (PTA Network) ⁽¹⁶⁾		2021	NIWC LANT / Charleston, SC	C / IDIQ	Charleston, SC	Nov 2020	Jan 2021	1	1.041	Y		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					P-1 Line Item Number / Title: 8128 / Physical Security Equipment							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	1,113.924	225.979	161.346	138.281	3.000	141.281	122.668	115.725	119.219	120.870	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	1,113.924	225.979	161.346	138.281	3.000	141.281	122.668	115.725	119.219	120.870	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	1,113.924	225.979	161.346	138.281	3.000	141.281	122.668	115.725	119.219	120.870	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This line item procures equipment to support the security and safety for the Department's assets worldwide.												
Naval Special Warfare (NSW) service-common funding provides mission critical equipment to US Navy SEALs for initial/basic training, pre-deployment training and on missions while deployed. Visual augmentation systems (VAS) equipment includes but is not limited to EO/IR sensors, night vision goggles, weapon laser range finders, optics and illuminators. This funding supports both Navy SEALs and Navy Support personnel and are an NSW core mission requirements essential to readiness and battlefield effectiveness of NSW against both global terrorist organizations as well as near-peer competitors.												
[P40A / SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)]: This category provides for the security equipment required to guard and protect the TRIDENT II (D5) missile while the missile is in storage, being handled, or in a movement convoy to and from the waterfront at the Strategic Weapons Facility, Atlantic (SWFLANT) in Kings Bay, GA and the Strategic Weapons Facility, Pacific (SWFPAC) in Bangor, WA. Funding supports the Waterfront Restricted Area and Limited Area Electronic Security Systems (ESS) installations and refreshes, Vehicle Barriers, the Command, Control, Communication, Computers, and Intelligence (C4I) system that provides security system, communication network, computers, security force command and control function as well as the Water Detection System and other equipment necessary to meet Nuclear Security requirements per DOD S-5210.41M (Nuclear Weapons Security Manual).												
\$7.640M decrease in FY21 is due to the completion of the procurement of 6 harbor security boats. FY21 efforts include Perimeter Intrusion and Detection Assessment System (PIDAS) installation and a refresh of the Limited Area Electronic Security System (ESS) to address obsolete components and to maintain service life. Additional efforts include updates to the Swimmer Interdiction Systems, which are elements of the Waterfront Security System (WSS) consisting of marine mammals and personnel that provide deterrence, detection and interdiction of surface and subsurface threats to SSBNs moored in port.												
[P40A / VISUAL AUGMENTATION SYSTEMS (VAS)]: In order to accelerate future capabilities procured and fielded to Naval forces the Visual Augmentation Systems (VAS) Family of Systems (FoS) program will: Drive standardization across the VAS FoS; Enable Fleet learning and experimentation via industry involvement and capability demonstrations; Transition mature technologies from the Science and Technology communities and industry that are aligned to Navy priorities. The VAS program will leverage the military research community, other DoD programs, academia and commercial industry technology development efforts in the key electro-optics technology areas of: active, passive, multi-domain imaging sensors, laser systems, display systems, optics, image processing and algorithms. VAS is necessary to allow the Expeditionary force to maintain situational awareness in degraded visual environments, to obtain and maintain battlefield dominance during missions to Find, Fix, Track, Target, Engage and Assess (F2T2EA) enemy combatants and avoid accidental engagement of noncombatants while maintaining the greatest possible distance from threats.												
FY21 Plans:												

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8128 / Physical Security Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
100 Visual Augmentation Module Portable Imager Recorder-Expeditionary (VAMPIRE) @ \$85K EA 180 AN/PVS-31B Night Vision Goggles @ \$9K EA 180 AN/PVS-31B Battery Packs @ \$600 EA		
[P40A / ANTI-TERRORISM AFLOAT (ATA) EQUIPAGE]: Anti-terrorism/Force Protection (AT/FP) Physical Security Equipment (PSE) material is a compilation of specific security and AT related items aligned with Chief of Naval Operations (CNO's) objective for operation of watch standers pier side, at perimeter posts, and underway to assist shipboard security forces in thwarting potential terrorist attacks. Vessel Boarding Search and Seizure (VBSS) material enables surface forces to reach full Maritime Interception Operations (MIO) capability including interception, boarding, searching, diverting and /or seizing suspect vessels.		
FY21 Plans: 3,800 Maritime Armor Systems (MAS) @ ~\$770 EA 3,800 Maritime Buoyant Plates (MBP) @ ~\$550 EA 3,250 Maritime Security Helmets (MSH) @ ~\$550 EA 1,500 Lightweight Plates (LWP) @ ~\$630 EA		
MAS and MBP provide comprehensive ballistic protection in an inherently buoyant system to increase survivability of sailors during shipboard ATFP, exposed battle station, and VBSS missions. MSH provides comprehensive ballistic and blunt impact head protection in a boltless, highly adjustable helmet that is 10% lighter than legacy Army and USMC systems. LWP reduces sailor weight burden without sacrificing ballistic protection in higher threat environments.		
[P40A / BIOMETRICS]: Funding will provide biometrics capability to the Fleet surface ships for Visit, Board, Search and Seizure (VBSS) Enhanced Maritime Interception Operations (EMIO) by providing Maritime Domain Awareness (MDA) capability to download fused terrorism intelligence. The Navy's only Biometric Program of Record achieved Milestone C in October 2012, Full Rate Production in June 2013, Full Operational Capability in December 2016, and will be procuring systems to meet the Fleet's five-year requirement to refresh technology.		
[P40A / NAVY NON-LETHAL EFFECTS (NNLE)]: Navy Non-Lethal Effects (NNLE) is a Family of Systems (FoS) used to determine the hostile intent of vessels approaching High Value Assets or secure areas. There are 3 systems in the FoS: Acoustic Hailing Device (AHD), used to verbally/audibly hail approaching vessels using a Commercial-Off-The-Shelf product; Long Range Ocular Interrupter (LROI), a non-lethal laser dazzler used to hail/warn/suppress approaching vessels; and Maritime Vessel Stopping (MVS), a pneumatic launchable material that occludes the approaching vessel's prop to significantly reduce speed. The LROI-Combined Ocular Interrupter Laser (COIL) will be procured in FY21 to be fielded to all Naval Expeditionary Combat Command (NECC) units to replace the obsolete current device with a significantly enhanced and governmentally developed capability that will extend the range and increase the usage of the capability into the daylight hours.		
FY21 Plans: 175 LROI-COIL @ ~\$30K EA		
[P40A / NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP]: Navy Expeditionary Logistics Support Group will deliver worldwide expeditionary logistics with active and reserve personnel to conduct port and air cargo handling missions, customs inspections, contingency contracting capabilities, fuels distribution, freight terminal and warehouse operations, postal services, and ordnance reporting and handling. Funding will provide prioritized initial outfitting for newly established TOA requirements and procurement of centrally managed mission equipment to meet Required Operational Capabilities/Projected Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET) to include Visual Augmentation Systems (VAS).		
[P40A / MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT]: Provides prioritized initial outfitting for newly established Mobile Diving and Salvage Unit Table of Allowances (TOA) requirements and procurement of centrally managed diving and salvage systems. MDSU TOA equipment includes diving, salvage and Combat Support Equipment to meet Required Operational Capabilities/Projected Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET) to include Visual Augmentation Systems (VAS).		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8128 / Physical Security Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / NAVAL SPECIAL WARFARE]: Naval Special Warfare (NSW) service-common funding provides mission critical equipment to US Navy SEAL combat operations in forward deployed contingency locations. These investments for visual augmentation systems include but are not limited to weapon laser range finders, optics and illuminators. This funding also supports the latest EO/IR sensors and night vision goggles for NSW personnel. This materiel supports NSW core mission requirements and is essential to the readiness and battlefield effectiveness of NSW in winning the current fight against global terrorist organizations as well as near-peer competitors.		
[P40A / EXPEDITIONARY MINE COUNTERMEASURES]: Procurement of Visual Augmentation Systems (VAS) to support the approved Table of Allowance (TOA) for (8) Expeditionary Mine Countermeasures (ExMCM) companies. These systems improve detection and identification capabilities in low visibility conditions to enhance overwatch support and exploitation.		
For FY21 and out, efforts are captured under VAS.		
[P40A / MOBILE SECURITY FORCES - NCW ACTIVE COMPONENT]: Active and Reserve Component of the Coastal Riverine Force (CRF) (formerly Naval Coastal Warfare (NCW), Mobile Security Force (MSF), Maritime Expeditionary Security Force (MESF) and Riverine Force). CRF provides seaward surveillance and security forces in amphibious objective areas, harbors and approaches, straits, anchorages, offshore economic assets and other military areas worldwide. CRF fills current warfighting gaps by providing highly trained scalable and sustainable Security Teams capable of defending mission critical assets in the near coast environment. CRF units provide Ground Defense, Afloat Defense, Airfield/Aircraft Security and a wide range of secondary tasks from Detention Operations to Law Enforcement. Funding will provide prioritized initial outfitting for newly established Table of Allowance (TOA) requirements and procurement of centrally managed equipment to meet Required Operational Capabilities/Projected Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET) including Visual Augmentation Systems (VAS) and Navy Non-Lethal Effects (NNLE) items. Specific NNLE systems include counter-personnel and counter-materiel capabilities such as acoustic hailing device, long-range ocular interrupter, and maritime vessel stopper, to assist warfighters with hostile intent determination of contacts of interest.		
For FY21 and out, efforts are captured under VAS and NNLE.		
[P40A / NAVAL COASTAL WARFARE FORCES-RES COMP (SEC FOR)]: Active and Reserve Component of the Coastal Riverine Force (CRF) (formerly Naval Coastal Warfare (NCW), Mobile Security Force (MSF), Maritime Expeditionary Security Force (MESF) and Riverine Force). CRF provides seaward surveillance and security forces in amphibious objective areas, harbors and approaches, straits, anchorages, offshore economic assets and other military areas worldwide. CRF fills current warfighting gaps by providing highly trained scalable and sustainable Security Teams capable of defending mission critical assets in the near coast environment. CRF units provide Ground Defense, Afloat Defense, Airfield/Aircraft Security and a wide range of secondary tasks from Detention Operations to Law Enforcement. Funding will provide prioritized initial outfitting for newly established TOA requirements and procurement of centrally managed equipment to meet Required Operational Capabilities/Projected Operational Environment (ROC/POE) and Navy Mission Essential Tasks (NMET) including Visual Augmentation Systems (VAS) and Navy Non-Lethal Effects items.		
For FY21 and out, efforts are captured under VAS.		
[P40A / ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)]: In response to JCS tasking, implemented Level II MIO Initial Operational Capability May 2005. The new MIO capability expands the operational spectrum for the Navy Overseas Contingency Operations ranging from compliant only to non-compliant boarding of threat vessels. MIO teams will be trained on new equipment, which will allow them to board vessels that refuse to comply with orders to stop and be searched. Funding will provide Allowance Equipage List (AEL) items such as ballistic protective, communications, boarding and breaching equipment.		
For FY21 and out, EMIO efforts are captured under ATA EQUIPAGE.		
[P40A / ANTI-TERRORISM FORCE PROTECTION ASHORE]: This program provides centrally procured equipment to improve the physical security posture of Navy installations worldwide. The program applies the Commander Navy Installations Command (CNIC) Risk-based investment strategy, ensuring appropriate Anti-terrorism and Force Protection (ATFP) solutions are fielded. The Physical Security Equipment (PSE) program procures equipment that supports and improves 15 specific Navy capabilities to detect, defer and defeat terrorist and criminal activity targeted against Navy personnel, government property and facilities ashore/afloat. The program provides funds to procure equipment for Navy Military Construction (MILCON) projects, including Intrusion Detection System(s) (IDS) and other Electronic Security System(s) (ESS) before building occupancy. The funds support the following six categories: Electronic Harbor Security Systems (EHSS) and Barriers; Physical Security/Access Control (Gates Automation & Perimeter Security); MILCON IDS; Command, Control, Computer, Communications & Intelligence (C4I) and Other Physical Security Equipment (PSE).		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8128 / Physical Security Equipment
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
[P40A / Next Generation Physical Security Water Barriers]: NEXT GENERATION PHYSICAL SECURITY WATER BARRIERS AT FLEET CONCENTRATION AND HIGH-VALUE UNIT (HVU) HOMEPART LOCATIONS. The waterside security barrier system is part of layered defense system and shall work in concert with security forces and/or electronic sensor systems. Waterside security barrier systems are designed to defend, deter, and delay possible waterborne threats to High Value Assets (HVAs). Additionally, they act as waterside Entry Control Points (ECPs).		
[P40A / Physical Security Water Barriers]: The waterside security barrier system is part of layered defense system and shall work in concert with security forces and/or electronic sensor systems. Waterside security barrier systems are designed to defend, deter, and delay possible waterborne threats to High Value Assets (HVAs). Additionally, they act as waterside Entry Control Points (ECPs).		
[P40A / CUAS Sensors for JUON CC-0558]: Funding provided for the procurement and installation of Counter Unmanned Aerial System (CUAS) Electro-Optics/Infrared (EO/IR) sensors aboard Military Sealift Command (MSC) vessels to support JUON CC-0558.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				P-1 Line Item Number / Title: 8128 / Physical Security Equipment						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	Physical Security Equipment				- / 1,113.924	- / 225.979	- / 161.346	- / 138.281	- / 3.000	- / 141.281
P-40	Total Gross/Weapon System Cost				- / 1,113.924	- / 225.979	- / 161.346	- / 138.281	- / 3.000	- / 141.281
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification:										
SSBN Waterfront Restricted Area Security (WRAS) \$7.640M decrease in FY 2021 is due to the completion of the procurement of 6 harbor security boats. FY21 efforts include Perimeter Intrusion and Detection Assessment System (PIDAS) installation and a refresh of the Limited Area Electronic Security System (ESS) to address obsolete components and to maintain service life. Additional efforts include updates to the Swimmer Interdiction Systems, which are elements of the Waterfront Security System (WSS) consisting of marine mammals and personnel that provide deterrence, detection and interdiction of surface and subsurface threats to SSBNs moored in port.										
Naval Special Warfare Funding supports Naval Special Warfare approved Service common Table of Allowance (TOA) items in order to ensure US Navy SEALs and Navy Support personnel are provided mission critical equipment. Among many missions, NSW assists with meeting the Geographic Combatant Commanders (GCC) demands to counter existing terrorist/ violent extremist organizations while also Building Partner Capacity missions and operations. These investments include, but are not limited to, visual augmentation support items such as small arms optics, night vision goggles, laser range finders, and IR illuminators.										
Naval Special Warfare (NSW) FoSUAS Systems Funding increase of \$1.152M supports procurement of Small Unmanned Aerial Systems (FoSUAS) including replacement vehicles or systems of attrition or end of service life RQ-20B (PUMA) systems. Funding will also go towards Remote and Centralized Pack-Up Kits (PUK) that include on-site mission critical equipment to NSW Puma Operators and Operational teams deployed such as (but not limited to) batteries, chargers, payloads, command control elements and related equipment. Lastly, funds will be invested in RQ-20B Enhancement Kits (EK) that include, but are not limited to, Vertical Take-Off and Landing kits, extended wings, solar panels, and avionics packages. This equipment supports NSW core mission requirements and is critical in providing force protection for sailors and marines downrange.										
ANTI-TERRORISM FORCE PROTECTION ASHORE Increase in Electronic Harbor Security Systems (EHSS)/Barriers supports the average cost of four (4) OCONUS locations.										
FY 2021 C4I funding will provide for the following:										
Regional Dispatch Center (\$13M): Provides Regionalized/Consolidated emergency call receipt, alarm monitoring, and 1st responder dispatching. Utilize centrally-hosted and supported Computer Aided Dispatch, Mobile Data Computers, Records Management Systems, Geographic Information System (GIS), Enterprise Land Mobile Radio (ELMR) and Alarm Automation to optimize emergency communication and response times.										
Giant Voice / Indoor Voice (\$10.8M): Provides Voice Alerts and Notifications during Emergency Events affecting an installation.										
Navy Munitions Alarm System (\$5.1M): Equipment and components for Conventional Arms, Ammunitions & Explosives (AA&E) systems supporting Category I/II munitions.										

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment	P-1 Line Item Number / Title: 8128 / Physical Security Equipment	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
COUNTER UAS TECHNOLOGY (\$7M) \$11.073M decrease in FY 2021 is due to the completion of the first phase of Counter UAS technology procurements. FY21 funding will complete procurement and installation of systems at the next three highest priority Navy installations (JEON ST008 and JUON CC0558); these systems are designed to counter the threat of unauthorized overflying of Unmanned Aircraft Systems (UAS). NNLE Baseline: Decrease of \$0.072M in FY 2021. No significant impact. IDS Baseline: FY21 funding decrease of \$2.664M is due to FY 2020 procurement of software and licenses for biometric collection device.		
Physical Security Water Barriers: An increase of \$1.346M for the continued construction and improvement of waterside security barrier systems. These are part of layered defense system and shall work in concert with security forces and/or electronic sensor systems. Waterside security barrier systems are designed to defend, deter, and delay possible waterborne threats to High Value Assets (HVAs). Additionally, they act as waterside Entry Control Points (ECPs).		
OCO: FY 2021 OCO will provide for the following: Biometrics FY 2021 OCO increase of \$3.00M will procure 300 devices to be fielded to Visit, Board, Search, and Seizure (VBSS) capable ships deployed to the CENTCOM Area of Responsibility. Identity Dominance System (IDS) tech refresh devices (\$10K per unit) to provide near real-time identity operations for improved force protection of deployed forces.		

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2							P-1 Line Item Number / Title: 8128 / Physical Security Equipment							Aggregated Items Title: Physical Security Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)																				
1.1) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)	A		-	-	452.851	-	-	31.766	-	-	40.432	-	-	32.792	-	-	-	-	-	32.792
<i>Subtotal: 1) SSBN WATERFRONT RESTRICTED AREA SECURITY (WRAS)</i>			-	-	452.851	-	-	31.766	-	-	40.432	-	-	32.792	-	-	-	-	-	32.792
2) VISUAL AUGMENTATION SYSTEMS (VAS)																				
2.1) Visual Augmentation Systems (VAS) Family of Systems	A		-	-	-	-	-	-	-	-	-	-	-	-	11.116	-	-	-	-	11.116
<i>Subtotal: 2) VISUAL AUGMENTATION SYSTEMS (VAS)</i>			-	-	0.000	-	-	-	-	-	-	-	-	11.116	-	-	-	-	-	11.116
3) ANTI-TERRORISM AFLOAT (ATA) EQUIPAGE																				
3.1) Anti-Terrorism Afloat (ATA) Equipage	A		-	-	28.988	-	-	18.846	-	-	3.971	-	-	7.716	-	-	-	-	-	7.716
<i>Subtotal: 3) ANTI-TERRORISM AFLOAT (ATA) EQUIPAGE</i>			-	-	28.988	-	-	18.846	-	-	3.971	-	-	7.716	-	-	-	-	-	7.716
4) BIOMETRICS																				
4.1) Identity Dominance System (IDS)	A		-	-	17.799	-	-	2.883	-	-	2.914	-	-	0.250	-	-	3.000	-	-	3.250
<i>Subtotal: 4) BIOMETRICS</i>			-	-	17.799	-	-	2.883	-	-	2.914	-	-	0.250	-	-	3.000	-	-	3.250
5) NAVY NON-LETHAL EFFECTS (NNLE)																				
5.1) Navy Non-Lethal Effects (NNLE) Family of Systems	A		-	-	-	-	-	-	-	-	-	-	-	-	6.838	-	-	-	-	6.838
<i>Subtotal: 5) NAVY NON-LETHAL EFFECTS (NNLE)</i>			-	-	0.000	-	-	-	-	-	-	-	-	6.838	-	-	-	-	-	6.838
6) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP																				
6.1) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP	A		-	-	12.291	-	-	0.550	-	-	0.092	-	-	-	-	-	-	-	-	-
<i>Subtotal: 6) NAVY EXPEDITIONARY LOGISTICS SUPPORT GROUP</i>			-	-	12.291	-	-	0.550	-	-	0.092	-	-	-	-	-	-	-	-	-
7) MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT																				
7.1) MOBILE DIVING AND SALVAGE UNIT OUTFITTING EQUIPMENT	A		-	-	10.440	-	-	0.467	-	-	0.980	-	-	-	-	-	-	-	-	

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2						P-1 Line Item Number / Title: 8128 / Physical Security Equipment								Aggregated Items Title: Physical Security Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: 7) MOBILE DIVING SALVAGE UNIT (MDSU) OUTFITTING EQUIPMENT</i>			-	-	10.440	-	-	0.467	-	-	0.980	-	-	-	-	-	-	-	-	
8) NAVAL SPECIAL WARFARE																				
8.1) NAVAL SPECIAL WARFARE FORCES	A		-	-	35.970	-	-	4.877	-	-	8.472	-	-	4.943	-	-	-	-	-	4.943
8.2) NSW FoSUAS Systems ⁽¹⁾	A		-	-	1.018	-	-	3.195	-	-	2.573	-	-	3.725	-	-	-	-	-	3.725
<i>Subtotal: 8) NAVAL SPECIAL WARFARE</i>			-	-	36.988	-	-	8.072	-	-	11.045	-	-	8.668	-	-	-	-	-	8.668
9) EXPEDITIONARY MINE COUNTERMEASURES																				
9.1) Expeditionary Mine Countermeasures (ExMCM)	A		-	-	-	-	-	-	-	-	1.546	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) EXPEDITIONARY MINE COUNTERMEASURES</i>			-	-	0.000	-	-	-	-	-	1.546	-	-	-	-	-	-	-	-	
10) MOBILE SECURITY FORCES - NCW ACTIVE COMPONENT																				
10.1) MOBILE SECURITY FORCE ACTIVE COMPONENT	A		-	-	91.442	-	-	15.616	-	-	12.564	-	-	-	-	-	-	-	-	
<i>Subtotal: 10) MOBILE SECURITY FORCES - NCW ACTIVE COMPONENT</i>			-	-	91.442	-	-	15.616	-	-	12.564	-	-	-	-	-	-	-	-	
11) NAVAL COASTAL WARFARE FORCES-RES COMP (SEC FOR)																				
11.1) MOBILE SECURITY FORCE RESERVE COMPONENT	A		-	-	23.828	-	-	2.350	-	-	4.963	-	-	-	-	-	-	-	-	
<i>Subtotal: 11) NAVAL COASTAL WARFARE FORCES-RES COMP (SEC FOR)</i>			-	-	23.828	-	-	2.350	-	-	4.963	-	-	-	-	-	-	-	-	
12) ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)																				
12.1) ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)	A		-	-	44.955	-	-	0.565	-	-	1.055	-	-	-	-	-	-	-	-	
<i>Subtotal: 12) ENHANCED MARITIME INTERCEPTION OPERATIONS (EMIO)</i>			-	-	44.955	-	-	0.565	-	-	1.055	-	-	-	-	-	-	-	-	
13) ANTI-TERRORISM FORCE PROTECTION ASHORE																				
13.1) ELECTRONIC HARBOR SECURITY SYSTEMS (EHSS)/ BARRIERS	A		-	-	70.803	-	-	3.209	-	-	3.583	-	-	10.053	-	-	-	-	-	10.053

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2							P-1 Line Item Number / Title: 8128 / Physical Security Equipment							Aggregated Items Title: Physical Security Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
13.2) PHYSICAL SECURITY/ACCESS CONTROL - AUTOMATED TURNSTILES/ ACTIVE BARRIERS	A		-	-	-	-	-	6.194	-	-	7.342	-	-	8.589	-	-	-	-	-	8.589
13.3) MILITARY CONSTRUCTION INTRUSION DETECTION SYSTEMS (MILCON IDS)	A		-	-	102.949	-	-	9.906	-	-	8.695	-	-	9.093	-	-	-	-	-	9.093
13.4) COMMAND, CONTROL, COMPUTER, COMMUNICATIONS AND INTELLIGENCE (C4I)	A		-	-	194.690	-	-	26.156	-	-	21.326	-	-	29.023	-	-	-	-	-	29.023
13.5) COUNTERING SMALL UNMANNED AERIAL SYSTEMS	A		-	-	-	-	-	71.399	-	-	35.081	-	-	7.040	-	-	-	-	-	7.040
13.6) PORT SECURITY BARRIERS	A		-	-	15.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 13) ANTI-TERRORISM FORCE PROTECTION ASHORE			-	-	384.342	-	-	116.864	-	-	76.027	-	-	63.798	-	-	-	-	-	63.798
14) Counter UAS Technology																				
14.1) Counter Small Unmanned Aircraft Systems (C-sUAS) ⁽²⁾	A		-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 14) Counter UAS Technology			-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15) Next Generation Physical Security Water Barriers ⁽³⁾																				
15.1) Physical Security Water Barriers	A		-	-	-	-	-	-	-	-	-	5.757	-	-	7.103	-	-	-	-	7.103
Subtotal: 15) Next Generation Physical Security Water Barriers			-	-	0.000	-	-	-	-	-	-	5.757	-	-	7.103	-	-	-	-	7.103
16) Counter Unmanned Aerial System (CUAS) Sensors																				
16.1) CUAS Sensors for JUON CC-0558 ⁽⁴⁾	A		-	-	-	-	-	28.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 16) Counter Unmanned Aerial System (CUAS) Sensors			-	-	0.000	-	-	28.000	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,113.924	-	-	225.979	-	-	161.346	-	-	138.281	-	-	3.000	-	-	141.281
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 Navy	Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8128 / Physical Security Equipment

Footnotes:

(1) A Remote PUK will provide 2-3 months of on-site parts replacements for NSW Puma Operators deployed to remote and austere locations. NSW's past experience in these environments has demonstrated that the supply chain is lengthened beyond its ability to replace vital system parts in a timely manner. A Centralized PUK will be deployed to support multiple NSW Puma Operational teams from a centralized hub. Unlike a remote PUK, the centralized PUK will enable support for multiple operational elements for up to 6 months. As these support multiple teams, a more robust supply of parts is necessary as Naval supply chains cannot provide parts support quickly enough to remote locations ensure combat effectiveness of invaluable tactical ISR support.

(2) A Counter Unmanned Aircraft Systems (C-UAS) solution is a precision system designed to protect high value assets and support public safety against threats posed by the inadvertent or unlawful misuse of unmanned aircraft systems (UAS). Identified solutions will reduce the risk posed by UAS threats and be widely applicable to protecting Naval critical infrastructure, installations, and Navy assets identified as Covered Facilities/Covered Assets as defined by the Secretary of Defense Policy and NDAA 18. This funding is required to procure hardware, perform site engineering studies, provide system design, conduct supporting site modifications, deploy and install the system, and provide operator training, to include Tier 1 maintenance. Additional information is available at a higher classification level.

(3) FUNDING SUPPORTS PROCUREMENT OF NEXT GENERATION PHYSICAL SECURITY WATER BARRIERS AT FLEET CONCENTRATION AND HIGH-VALUE UNIT (HVU) HOMEPORT LOCATIONS.

(4) Approved in the FY19 Omnibus ATR.

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment					P-1 Line Item Number / Title: 8161 / Enterprise Information Technology												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A									
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total					
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Cost (\$ in Millions)	477.900	21.445	54.833	42.680	0.000	42.680	30.053	27.733	26.209	26.422	Continuing	Continuing					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) (\$ in Millions)	477.900	21.445	54.833	42.680	0.000	42.680	30.053	27.733	26.209	26.422	Continuing	Continuing					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Total Obligation Authority (\$ in Millions)	477.900	21.445	54.833	42.680	0.000	42.680	30.053	27.733	26.209	26.422	Continuing	Continuing					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)	-	0.138	0.085	0.003	-	0.003	0.091	0.014	0.019	0.059	Continuing	Continuing					
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-					
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-					
Description:																	
The FY 2021 funding request was reduced by \$6.013 million to account for the availability of prior year execution balances.																	
Distance Support: The Navy Information Application Product Suite (NIAPS) is comprised of integrated Commercial off-the-shelf (COTS) software Government off-the-shelf (GOTS) software that provides an application hosting service on afloat Navy networks. NIAPS provides data compression and replication capability designed to re-host typically shore/web-based applications afloat to minimize bandwidth and provide maximum capability. NIAPS is comprised of 14 applications and databases launched from a single Distance Support (DS) Portal on NIAPS server. NIAPS runs applications specifically tailored to individual afloat units for training, career management, maintenance, technical drawings, and logistics produced by various Navy functional organizations. NIAPS gives a ship access to critical applications and data using internal shipboard networks, which is faster and cheaper than using external bandwidth and satellite time.																	
NAVWAR Shore IW Platform: Naval Information Warfare Systems Command (NAVWAR) and PEOC4I Shore & Expeditionary Integration Program Office are recognized as the Navy's Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance / Information Technology (C4ISR/IT) integration Subject Matter Expert (SME) delivering Shore Information Warfare (IW) Platform Capabilities. Funding supports the identification and validation of C4ISR/IT system requirements and provides platform architecture, integration and installation design planning efforts tailored to deliver specific required Capability to Shore IW Platforms. Shore IW Platforms support assured Command and Control, voice, video and data communications, Precise Time and Astrometry, and intelligence support services that are critical to allowing the flow of information from Strategic Commanders to the War Fighters both afloat and ashore. MILCON projects associated with Shore IW Platforms require complex planning based on the required capability, which includes advanced planning, integration and installation of numerous C4ISR/IT systems across multiple programs of record that support Command Centers, Operations Centers and Master Telecommunication Facilities, CONUS and OCONUS.																	
Telephony: Tactical Voice and Video Communications and Modernization: The Department of Defense (DoD), Chief Information Officer (CIO) has prioritized the modernization of network infrastructure to be regionally based, centrally managed and cyber secure. This includes migrating existing infrastructure from Time Division Multiplexing (TDM) to Internet Protocol (IP) based communications to enable Unified Capabilities (UC). Telephony procures and integrates Commercial-Off-The-Shelf (COTS) hardware and software to meet the DoD-CIO TDM to IP mandate for the Navy. Program requirements include: Voice over Internet Protocol (VoIP), Voice over Secure Internet Protocol (VoSIP), Video Teleconferencing over Secure Internet Protocol (VTCoSIP), Telephony Unified Messaging System (TUMS), Regional Telephony Management System (RTMS), Navy Video Conferencing System (NVCS), NVCS Coalition (NVCS-C), Internet Protocol (IP) Modernization, Aegis Ashore, and Telephony systems infrastructure (e.g. cable plant). Telephony system installations and/or upgrades occur at facilities in accordance with requirements as identified by Navy Information Forces (NAVIFOR), Office of the Chief of Naval Operations (OPNAV), and Missile Defense Agency (MDA).																	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment		P-1 Line Item Number / Title: 8161 / Enterprise Information Technology
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
MILCON C4I Shore Based Enterprise Network Enhancements (Telephony): Funding additionally supports procurement and installation of mission related Telephony equipment at the following shore sites: - MILCON P-913: Naval Computer and Telecommunications Area Master Station (NCTAMS) Atlantic - MILCON P-621: NCTAMS Atlantic Det Rota Spain - MILCON P-131: NCTAMS Atlantic Det Souda Bay - MILCON P-130: Naval Computer and Telecommunications Station (NCTS) Sigonella Italy		
NAVIFOR MILCON Project P-013: Navy Information Operations Command, Hawaii (NIOC HI) performs all duties assigned by Commander Pacific Fleet (COMPACFLT), Fleet Cyber Command (FLTCYBERCOM) / Commander Tenth Fleet (COMTENTHFLT), Navy Information Forces (NAVIFOR), and the Director, National Security Agency. NIOC HI conducts and provides support to information warfare, cyber, signals intelligence, Information Operations (IO) and electronic warfare mission areas in the Pacific Fleet area of responsibility (PAC AOR). At the direction of United States Cyber Command (USCYBERCOM), FLTCYBERCOM / COMTENTHFLT will be deploying substantial Cyber Mission Forces to Oahu. NCTAMS PAC and NIOC HI require close collaboration and alignment between the elements of the intelligence community under NIOC HI and the network operations under NCTAMS PAC in a controlled environment. MILCON Project P-013 provides Sensitive Compartmented Information Facility (SCIF) space for three PACOM Cyber Protection Teams, which currently has inadequate SCIF space.		
[P5 / MILCON P-013 - Wahiawa Shorebased Enhancements]: Funding supports the procurement and installation of mission related Command, Control, Communications, Computers and intelligence/information Technology (C4I/IT) equipment to new Naval Computer and Telecommunications Area Master Station Pacific (NCTAMSPAC) Facility.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 2: Command Support Equipment				8161 / Enterprise Information Technology						
ID Code (A=Service Ready, B=Not Service Ready): A		Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / Enterprise Information Technology	P-5a, P-21			- / 477.900	- / 21.445	- / 54.833	- / 42.680	- / 0.000	- / 42.680
P-40	Total Gross/Weapon System Cost				- / 477.900	- / 21.445	- / 54.833	- / 42.680	- / 0.000	- / 42.680

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The FY2021 funding request was reduced by \$6.013M to account for the availability of prior year execution balances.

Distance Support NIAPS (-\$0.628M): FY21 decrease attributed to cancellation of future computer hardware procurements and re-prioritization of funding for software licensing.

Naval Information Warfare Systems Command (NAVWAR) Shore Information Warfare (IW): FY21 decrease of \$5.368M is primarily attributed to P913 and P621 reaching Beneficiary Occupancy Date (BOD) in 1st Qtr FY21. In FY21, the projects will transition into the installation execution phase as the Program of Record (POR) systems begin integration and installation efforts. The Shore IW Program will continue to support the installation efforts by overseeing each POR installation and ensuring the integration of the Platform meets Full Operational Capability (FOC) and Full and Final Acceptance (FFA) is achieved. P913 will reach FOC and FFA in FY23 and P621 will meet FOC and FFA in FY22.

Naval Information Warfare Systems Command (NAVWAR) Shore Information Warfare (IW) Platform funds support advanced planning, system of systems architecture, and design and integration planning efforts associated with the following Shore IW Platform MILCON projects that deliver Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance / Information Technology (C4ISR/ IT) Capability: P621 - Naval Computer and Telecommunications Area Master Station, Atlantic Det Rota (NCTAMS LANT Det Rota); P130 - Naval Computer and Telecommunications Station, Sigonella (NCTS Sigonella); P913 - Naval Computer and Telecommunications Area Master Station, Atlantic, (NCTAMS LANT C4I); P001 - US Naval Observatory; P131 - NCTAMS LANT Det Souda Bay; and P649 - NCTS Guam. Each design is tailored to meet a required capability. The Shore and Expeditionary Program Office provides portfolio management of MILCON Shore IW Platform efforts to manage requirements as they change due to real world events and to ensure required capability is delivered on time and within cost. System integration designs range from integrating 20 to 80+ different systems at each Shore IW Platform.

Telephony: FY21 decrease of \$2.657M is the result of completion of non-recurring efforts at two MILCON sites in FY20 (P-913 and P-621). FY21 funds are provided for procurement and installation of Internet Protocol (IP) based equipment in support of DoD's Everything over IP (EoIP) mandate, Telephony requirements specifically unsecure Voice Over Internet Protocol (VoIP), and Voice over Secure Internet Protocol (VoSIP) both CONUS and OCONUS.

Collateral Equipment, MILCON Outfitting Project P-013:

FY21 decrease of \$3.500M is due to scheduled completion of phased one and entering second (2nd) phase of MILCON project. Funding supports procurement and installation of mission related command, control, communications, computers and intelligence/Information Technology (C4I/IT) equipment to new Naval Computer and Telecommunications Area Master Station Pacific (NCTAMSPAC) Facility in Wahiawa.

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Exhibit P-5, Cost Analysis: PB 2021 Navy												Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8161 / Enterprise Information Technology												Item Number / Title [DODIC]: 1 / Enterprise Information Technology			
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:						
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (<i>Units in Each</i>)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				477.900		21.445		54.833		42.680		0.000		42.680				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				477.900		21.445		54.833		42.680		0.000		42.680				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				477.900		21.445		54.833		42.680		0.000		42.680				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		0.138		0.085		0.003		-		0.003				
Gross/Weapon System Unit Cost (\$ in Thousands)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware - NAVWAR Shore Information Warfare (IW) Platform Cost																		
Recurring Cost																		
1.1.1) Shore IW Platform: MILCON P-913 NCTAMS LANT C4I ⁽¹⁾	-	-	-	-	-	-	-	-	27.876	-	-	20.872	-	-	-	-	-	20.872
1.1.2) Shore IW Platform: MILCON P-621 NCTAMS LANT Det Rota ⁽²⁾	-	-	-	-	-	-	-	-	4.180	-	-	1.952	-	-	-	-	-	1.952
1.1.3) Shore IW Platform: MILCON P-130 NCTS Sigonella ⁽³⁾	-	-	-	-	-	-	-	-	1.805	-	-	3.141	-	-	-	-	-	3.141
1.1.4) Shore IW Platform: MILCON P-131 NCTAMS LANT Det Souda Bay ⁽⁴⁾	-	-	-	-	-	-	-	-	0.855	-	-	3.522	-	-	-	-	-	3.522
1.1.5) Shore IW Platform: MILCON P-649 NCTS Guam ⁽⁵⁾	-	-	-	-	-	-	-	-	0.800	-	-	0.802	-	-	-	-	-	0.802
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	35.516	-	-	30.289	-	-	-	-	-	30.289
<i>Subtotal: Hardware - NAVWAR Shore Information Warfare (IW) Platform Cost</i>	-	-	-	-	-	-	-	-	35.516	-	-	30.289	-	-	-	-	-	30.289
Hardware - NAVFOR MILCON Outfitting (Non Telephony) Cost																		

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Exhibit P-5, Cost Analysis: PB 2021 Navy													Date: February 2020												
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2					P-1 Line Item Number / Title: 8161 / Enterprise Information Technology								Item Number / Title [DODIC]: 1 / Enterprise Information Technology												
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:												
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total									
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)							
Non Recurring Cost																									
2.1.1) MILCON P-013 - Wahiaawa Shorebased Enhancements ^(†) (6)	-	-	-	10,147.000	1	10.147	10,147.000	1	10.147	6,647.000	1	6.647	-	-	-	6,647.000	1	6.647							
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	10.147	-	-	10.147	-	-	6.647	-	-	-	-	-	6.647							
<i>Subtotal: Hardware - NAVIFOR MILCON Outfitting (Non Telephony) Cost</i>	-	-	-	-	-	10.147	-	-	10.147	-	-	6.647	-	-	-	-	-	6.647							
Hardware - Telephony MILCONS Cost																									
Non Recurring Cost																									
3.1.1) MILCON P-913 NCTAMS LANT C4I	-	-	-	-	-	4.139	-	-	2.242	-	-	-	-	-	-	-	-	-							
3.1.2) MILCON P-621 NCTAMS LANT Det Rota	-	-	-	-	-	3.000	-	-	0.473	-	-	-	-	-	-	-	-	-							
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	7.139	-	-	2.715	-	-	-	-	-	-	-	-	-							
<i>Subtotal: Hardware - Telephony MILCONS Cost</i>	-	-	-	-	-	7.139	-	-	2.715	-	-	-	-	-	-	-	-	-							
Hardware - Telephony Procurement Cost																									
Recurring Cost																									
4.4.1) Procurement ^(†) (7)	4,446.231	13	57.801	3,218.000	1	3.218	3,079.000	1	3.079	3,172.000	1	3.172	-	-	-	3,172.000	1	3.172							
<i>Subtotal: Recurring Cost</i>	-	-	57.801	-	-	3.218	-	-	3.079	-	-	3.172	-	-	-	-	-	3.172							
<i>Subtotal: Hardware - Telephony Procurement Cost</i>	-	-	57.801	-	-	3.218	-	-	3.079	-	-	3.172	-	-	-	-	-	3.172							
Hardware - Telephony Installations Cost																									
Recurring Cost																									
5.1.1) Telephony Install Costs ⁽⁸⁾	-	-	8.917	-	-	0.756	-	-	0.756	-	-	0.744	-	-	-	-	-	0.744							
<i>Subtotal: Recurring Cost</i>	-	-	8.917	-	-	0.756	-	-	0.756	-	-	0.744	-	-	-	-	-	0.744							
<i>Subtotal: Hardware - Telephony Installations Cost</i>	-	-	8.917	-	-	0.756	-	-	0.756	-	-	0.744	-	-	-	-	-	0.744							
Hardware - Prior Year Only Programs Cost																									
Recurring Cost																									

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Exhibit P-5, Cost Analysis: PB 2021 Navy													Date: February 2020																
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2				P-1 Line Item Number / Title: 8161 / Enterprise Information Technology									Item Number / Title [DODIC]: 1 / Enterprise Information Technology																
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:																
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																													
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total													
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)											
6.1.1) Prior Year Only Programs ⁽⁹⁾	-	-	403.594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
<i>Subtotal: Recurring Cost</i>	-	-	403.594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
<i>Subtotal: Hardware - Prior Year Only Programs Cost</i>	-	-	403.594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
Software - Distance Support Cost																													
Recurring Cost																													
7.1.1) Distance Support Software ⁽¹⁰⁾	-	-	5.075	-	-	-	-	-	0.628	-	-	-	-	-	-	-	-	-											
<i>Subtotal: Recurring Cost</i>	-	-	5.075	-	-	-	-	-	0.628	-	-	-	-	-	-	-	-	-											
<i>Subtotal: Software - Distance Support Cost</i>	-	-	5.075	-	-	-	-	-	0.628	-	-	-	-	-	-	-	-	-											
Support Cost																													
8.1) NAVWAR Shore IW Platform ⁽¹¹⁾	-	-	-	-	-	-	-	-	1.869	-	-	1.728	-	-	-	-	-	1.728											
8.2) Telephony Production Support	-	-	2.513	-	-	0.185	-	-	0.123	-	-	0.100	-	-	-	-	-	0.100											
<i>Subtotal: Support Cost</i>	-	-	2.513	-	-	0.185	-	-	1.992	-	-	1.828	-	-	-	-	-	1.828											
Gross/Weapon System Cost	-	-	477.900	-	-	21.445	-	-	54.833	-	-	42.680	-	-	0.000	-	-	42.680											
Remarks:																													
[Hardware] NAVWAR Shore IW Platform quantities are not provided since funding supports multi-year and various MILCON Shore IW Platform modernization efforts. Each design is tailored to meet a required capability. The Shore and Expeditionary Program Office provides portfolio management of MILCON Shore IW Platform efforts to manage requirements as they change due to real world events and to ensure required capability is delivered on time and within cost. System integration designs range from integrating 20 to 80+ different systems at each Shore IW Platform. Costs will vary by fiscal year for platforms based upon complexity and current phase in the associated MILCON project schedule. Requested budget is for advanced planning, system of system architecture design, integration and installation planning costs at the platforms. Specific procurement and installation costs are budgeted by the Program of Record (POR) providing capability and are reflected in the POR budget exhibits.																													
[Hardware/Recurring] FY21 Shore IW Platform funds used to support the advanced planning, system of systems architecture, and design and integration planning efforts associated with the following Shore IW Platform MILCON projects that deliver Command, Control, Communications, Computer, Intelligence, Surveillance, and Reconnaissance / Information Technology (C4ISR/IT) Capability: P621 - Naval Computer and Telecommunications Station (NCTS) Det Rota; P130 - NCTS Sigonella; P913 - Naval Computer and Telecommunications Area Master Station, Atlantic, (NCTAMS LANT C4I); P001 - US Naval Observatory; P131 - NCTS Det Souda Bay; and P649 - NCTS Guam.																													
[Hardware] Telephony MILCONs - Funding supports procurement and installations of mission related Telephony equipment in support of MILCON projects. MILCON support costs vary by site.																													
(†) indicates the presence of a P-5a																													
Footnotes:																													

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Exhibit P-5, Cost Analysis: PB 2021 Navy		Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Item Number / Title [DODIC]: 1 / Enterprise Information Technology		
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:			
(1) FY21 Shore IW Platform: MILCON P-913 NCTAMS LANT C4I: Project will achieve Beneficiary Occupancy Date in 1st Qtr FY 21. The project will transition into the Installation Execution phase as the Program of Record (POR) systems begin integration and installation efforts. The Shore IW Program will continue to support the effort by overseeing each POR installation and ensuring the integration of the Platform will meet Full Operational Capability (FOC) and support Full and Final Acceptance (FFA). P913 will reach FOC and FFA in FY 23. Funding directly supports the combining cyber defense missions from two buildings (M-51 and NH-95) into a single integrated communications shore platform hosting 80+ systems in the tactical network operations center while providing uninterrupted communication and connectivity services to operational naval forces. NCTAMS LANT operates and defends responsive, resilient, and secure computer and telecommunications systems, providing information superiority for global maritime and joint forces.				
(2) FY21 Shore IW Platform MILCON P-621 NCTAMS LANT Det Rota: FY 21 funds will support P621 reaching Beneficiary Occupancy Date (BOD) in 1st Qtr FY 21. The projects will transition into the Installation Execution phase whereas the Program of Record (POR) systems begin integration and installation efforts. The Shore IW Program will continue to support the effort by overseeing each POR installations and ensuring the integration of the Platform meets Full Operational Capability (FOC) and Full and Final Acceptance (FFA) is achieved. P621 will meet FOC and FFA in FY 22. Funding directly supports the advanced planning, system of systems architecture, and design and integration planning efforts required to deliver a new shore C4I platform that will host 20+ systems while providing uninterrupted communication and connectivity services to operational naval forces. NCTAMS LANT Det. Rota provides the operational platform for information, secure and reliable, classified and unclassified voice, messaging, video, and data telecommunications to U.S. Naval, Forward Deployed Naval Forces (FDNF), Joint, Interagency, and Allied operating forces worldwide.				
(3) FY21 MILCON P-130 NCTS Sigonella funds will support the coordination efforts with NAVFAC as construction begins on the building. Additional funding in FY21 is required for the installation planning and coordination efforts with POR systems for 20+ C4I systems includes the preparation of Preliminary Installation Review (PIDR), Continuing Review Installation Design (CRID) and Final Installation Design Review (FIDR). Funding directly supports the advanced planning, system of systems architecture, and design and integration planning efforts required to deliver a new shore C4I platform that will host 20+ systems while providing uninterrupted communication and connectivity services to operational naval forces. NCTS Sicily is strategically positioned to provide mission-critical communications support to U.S. NATO, and coalition forces operating in the AFRICOM, CENTCOM, and EUCOM AOR's. NCTS Sicily reports to U.S. Fleet Cyber Command, the Navy component command to U.S. Strategic Command, and U.S. Cyber Command, to provide secure and reliable telecommunications in EUCOM, AFRICOM, and CENTCOM theaters of operation.				
(4) FY21 funding increase for the Shore IW Platform MILCON P-131 NCTAMS LANT Det Souda Bay is attributed to the ramp up of Top-Level Design Review (TLDR) started in FY20 and additional design requirements associated with System Design Review (SDR) and Critical Design Review (CDR) occurring in FY21 in order to transition to the installation planning phase of the project. Funding directly supports the advanced planning, system of systems architecture, and design and integration planning efforts required to deliver a new shore C4I platform that will host 20+ systems while providing uninterrupted communication and connectivity services to operational naval forces. NSA Souda Bay is a vital transient point for the joint U.S. and NATO forces operating within three Combatant Commanders areas of responsibility. The airfield, the port, several NATO facilities, and its geographical location make it an invaluable support location for many exercises, both NATO and US hosted. Additionally, National Airborne Operations Center officially uses NSA Souda Bay to support its operations and requires a strong level of communications support.				
(5) FY21 Shore IW Platform: MILCON P-649 NCTS Guam funds continue to support coordination efforts with NAVFAC and the completion of C4I Integrated Systems Design phase efforts, e.g. System Design Review (SDR) and Critical Design Review (CDR). Funding directly supports integration planning efforts required for Commander, Joint Region Marianas (CJRM) to deliver a new Joint shore C4I platform that will host 50+ systems while providing uninterrupted communication and connectivity services to operational naval forces. NCTS Guam provides multi-spectral Connectivity, NetOps and Information Assurance to Navy, Joint and Coalition forces in support of operations in the THIRD, FIFTH, and SEVENTH Fleet areas of responsibility (AOR).				
(6) Decrease from FY20 to FY21 due to entering second (2nd) phase of MILCON project.				
(7) Unit cost variances are based on the location of the region/site (CONUS, OCONUS), number of sites in the region, the various site architectures and requirements, the age and type of systems modernized, and user density (number of users). Quantities represent the number of regions that are being replaced/modernized in the given fiscal year. Telephony's modernization plan is designed to eliminate cyber security vulnerabilities due to hardware and software obsolescence. Telephony's systems are located in various regions supporting the Fleet Commanders, their forces, and Joint and Coalition Partners within each region. Regions: CONUS: Southwest, Pacific Northwest, Southeast, Northeast, Mid-Atlantic. OCONUS: Western Pacific, Guantanamo, Europe, Middle East.				
(8) FY19-FY25 installation cost variances are based on the location of the region/site (CONUS, OCONUS), number of sites in the region, the various site architectures and requirements, the age and type of systems modernized, and user density (number of users). Telephony's modernization plan is designed to eliminate cyber security vulnerabilities due to hardware and software obsolescence. Telephony's systems are located in various regions supporting the Fleet Commanders, their forces, and Joint and Coalition Partners within each region. Regions: CONUS: Southwest, Pacific Northwest, Southeast, Northeast, Mid-Atlantic. OCONUS: Western Pacific, Guantanamo, Europe, Middle East.				
(9) The following programs have been consolidated as costs are only reflected in the Prior Year. RMI, DCC, Distance Support Hardware, BLII, and the FY18 Congressional Add				
(10) Funding for Distance Support NIAPS funding in FY21 and out was realigned to OMN AGSAG 1C1C due to cancellation of future computer hardware procurements and re-prioritization of funding for software licensing.				

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Exhibit P-5, Cost Analysis: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2	P-1 Line Item Number / Title: 8161 / Enterprise Information Technology	Item Number / Title [DODIC]: 1 / Enterprise Information Technology
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	
(11) FY21 funds support MILCON projects' production support, quality assurance, modeling and simulation efforts associated with Shore IW Platforms across the portfolio.		

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8161 / Enterprise Information Technology					Item Number / Title [DODIC]: 1 / Enterprise Information Technology				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) MILCON P-013 - Wahiawa Shorebased Enhancements ^(†)		2019	NAVMAR / San Diego, CA	C / FFP	San Diego, CA	Jan 2019	Jan 2019	1	10,147.000	N	Oct 2019	
2.1.1) MILCON P-013 - Wahiawa Shorebased Enhancements ^(†)		2020	NAVMAR / San Diego, CA	C / FFP	San Diego, CA	Dec 2019	Dec 2019	1	10,147.000	N	Mar 2020	
2.1.1) MILCON P-013 - Wahiawa Shorebased Enhancements ^(†)		2021	NAVMAR / San Diego, CA	C / FFP	San Diego, CA	Jan 2021	Jan 2021	1	6,647.000	N	Mar 2021	
4.1.1) Procurement		2019	DISA/DITCO / SCOTT AFB, IL 62225	MIPR	SCOTT AFB, IL	Mar 2019	May 2019	1	3,218.000	Y		
4.1.1) Procurement		2020	DISA/DITCO / SCOTT AFB, IL 62225	MIPR	SCOTT AFB, IL	Mar 2020	May 2020	1	3,079.000	Y		
4.1.1) Procurement		2021	DISA/DITCO / SCOTT AFB, IL 62225	MIPR	SCOTT AFB, IL	Mar 2021	May 2021	1	3,172.000	Y		

^(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Navy																			Date: February 2020																																																															
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2																			Item Number / Title [DODIC]: 1 / Enterprise Information Technology																																																															
Cost Elements (Units in Each)										Fiscal Year 2019										Fiscal Year 2020																																																														
<table border="1"> <thead> <tr> <th rowspan="2">O C R O #</th> <th rowspan="2">M F R Y</th> <th rowspan="2">SERVICE</th> <th rowspan="2">PROC QTY</th> <th rowspan="2">ACCEPT PRIOR TO 1 OCT 2018</th> <th rowspan="2">BAL DUE AS OF 1 OCT</th> <th colspan="12">Calendar Year 2019</th> <th colspan="12">Calendar Year 2020</th> </tr> <tr> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> </tr> </thead> </table>																			O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020																																																																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																																					
2.1.1) MILCON P-013 - Wahiawa Shorebased Enhancements ⁽⁶⁾																																																																																		
1	2019	NAVY	1	0	1																										0																																																			
1	2020	NAVY	1	0	1																										0																																																			
1	2021	NAVY	1	0	1																										1																																																			
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O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																																											

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Exhibit P-21, Production Schedule: PB 2021 Navy																			Date: February 2020																																																																
Appropriation / Budget Activity / Budget Sub Activity:																			Item Number / Title [DODIC]:																																																																
1810N / 07 / 2																			1 / Enterprise Information Technology																																																																
Cost Elements (Units in Each)																			Fiscal Year 2021																																																																
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O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022												B A L A N C E																																																					
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2.1.1) MILCON P-013 - Wahiawa Shorebased Enhancements ⁽⁶⁾																																																																																			
1	2019	NAVY	1	1	0																									0																																																					
1	2020	NAVY	1	1	0																									0																																																					
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Exhibit P-21, Production Schedule: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 2			P-1 Line Item Number / Title: 8161 / Enterprise Information Technology					Item Number / Title [DODIC]: 1 / Enterprise Information Technology				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAVWAR - San Diego, CA			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity:					P-1 Line Item Number / Title:										
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other					8164 / Next Generation Enterprise Service										
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A							
Line Item MDAP/MAIS Code: N/A															
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total			
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Cost (\$ in Millions)	252.683	127.535	122.832	184.443	0.000	184.443	71.654	73.534	74.559	76.021	Continuing	Continuing			
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Net Procurement (P-1) (\$ in Millions)	252.683	127.535	122.832	184.443	0.000	184.443	71.654	73.534	74.559	76.021	Continuing	Continuing			
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-			
Total Obligation Authority (\$ in Millions)	252.683	127.535	122.832	184.443	0.000	184.443	71.654	73.534	74.559	76.021	Continuing	Continuing			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)	-	0.676	0.526	0.304	-	0.304	0.401	-	-	-	-	1.907			
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-			
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-			
Description:															
Next Generation Enterprise Network (NGEN): The contract vehicle used to manage the Navy Marine Corps Intranet (NMCI) enterprise network and the OCONUS Navy Enterprise Network (ONE-Net) which will provide secure, net-centric data and services to Navy and Marine Corps personnel and represents the continuous evolution of information technology at the Department of Navy (DON). Additionally NGEN provides security for the non-classified Internet Protocol (IP) Router Network (known as NIPRNET) and the classified Secret Internet Protocol Router Network (SIPRNET). NIPRNET is a private IP network used to exchange unclassified information, including information subject to controls on distribution, among the private network's users. SIPRNET is a system of interconnected computer networks used to transmit classified information (up to and including information classified SECRET) by packet switching over the "completely secure environment." NGEN forms the foundation for the DON's future Naval Network Environment that will be interoperable with and leverage other Department of Defense-provided Net-Centric Enterprise Services.															
The new NGEN-R family of contracts is comprised of End-User Hardware Services (EUHW) and Service Management, Integration and Transport (SMIT). EUHW is projected to award in FY20 Q1 and SMIT is projected to award in FY20 Q2. These vehicles posture the Navy's enterprise networks to deliver IT services in manner that meet future Naval Networking goals and objectives. FY20 requirements were reprioritized in support of contract award and transition. Future requirements and pricing will be refined post award.															
Compliance Based Technical Refresh: Focuses on upgrading the existing hardware and/or software to mitigate end of life, end of support and end of software support issues in order to maintain network performance, architecture/solution accreditations and network security. Compliance-based tech refresh buys down previously incurred technical debt and accounts for the "sustainment" bridge required to ensure legacy infrastructure continues to pace the obsolescence-based cyber security threat until replaced by Network Transformation efforts. Compliance Based Technical Refresh involves the modernization and periodic replacement of NMCI hardware/software and assigned non-IT assets required to support network performance. The objective is to improve and maintain network performance, increase network capacity based on project demand, improve security posture from vulnerabilities, and integrate DoD and/or DON mandates. NGEN assets are Government Owned/Contractor Operated (GO/CO). A significant amount of those assets have reached end-of-life and are no longer supported by the vendors, which makes the infrastructure vulnerable to external cyber-attacks; and diminishes enterprise solutions performance and optimization. Our current infrastructure is aged and modernization is essential to improve storage capabilities to accommodate new emerging workforce requirements, maintain network performance, architecture/solution accreditations, and network security.															
Transformation: The transformation of Navy Enterprise Networks is a key enabler for near and long-term mission effectiveness. Provides for the security and technology improvement efforts, to include systems/security engineering and integration, production, installation and implementation of network infrastructure, in support of the future merging of the ONE-Net and NGEN operating models after award of the NGEN follow-on contract (NGEN-R). ONE-Net convergence includes the migration of the network, processes, services, tools, and GO/CO functions to the GO/CO NGEN-R operational state in accordance with Service Level Requirements (SLR) and supporting Associate Contractor Agreements (ACAs) between service providers. Full convergence is anticipated to take between 4-6 years and will result in a fully integrated Navy															

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other		P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: N/A		
network with NIPR (unclassified) and SIPR (classified) enclaves operated via a controlled common operational approach as ONE-Net and NMCI business and operating models are merged and infrastructure solutions are aligned.		
Joint Regional Security Stacks (JRSS): Joint Information Environment (JIE) initiative that consolidates Cybersecurity control points for the Department of Defense (DoD) and mission support organizations. Funding has been realigned from LI 8164 to LI 8645 (Cyberspace Activities) to functionally transfer funds to the Defense Information Systems Agency (DISA) during the year of execution.		
Collateral Equipment - MILCON Project P-013 (BSO 60): Provides Sensitive Compartmented Information Facility (SCIF) space for three PACOM Cyber Protection Teams in Hawaii Wahiawa, which currently has inadequate SCIF space to meet USCYBERCOM standards.		
[P5 / P013 MILCON]: Funds provided for the design, installation, and equipment purchase, associated with the development and refurbishment of Sensitive Compartmented Information Facilities. This will ensure information sharing is executed in a controlled environment and at the appropriate classification levels for the Cyber Mission Forces Teams.		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other				8164 / Next Generation Enterprise Service						
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / Next Generation Enterprise Service	P-5a			- / 252.683	- / 127.535	- / 122.832	- / 184.443	- / 0.000	- / 184.443
P-40	Total Gross/Weapon System Cost				- / 252.683	- / 127.535	- / 122.832	- / 184.443	- / 0.000	- / 184.443
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification:										
FY 2021 Increase of \$61.611M is due to the following:										
NGEN-R Transition (+\$16.0M): The total projected minimum NGEN-R Service, Management, Integration and Transport (SMIT) transition cost to the new NGEN-R SMIT provider is \$90M (\$37M in FY20, \$53M in FY21). NGEN-R SMIT transition is planned for nine months beginning in FY20 and ending in FY21. The SMIT Transition effort encompasses the Phase-In and Phase-Out of 38 NGEN core services and 26 key management processes that are critical to day-to-day execution of CONUS and OCONUS Network Operations and Service Delivery. The transition entails the procurement and build-out of critical infrastructure for: 1) establishment of a government laboratory; 2) refresh of Service Operations tools; and 3) Service Desk stand-up.										
CONUS Compliance Based Technical Refresh (+\$1.593M): The FY 2021 increase of \$1.593M supports Compliance Based Technical Refresh which buys down previously incurred technical debt and accounts for the "sustainment" bridge required to ensure legacy infrastructure continues to pace the obsolescence-based cyber security threat until replaced by Network Transformation efforts. More specifically, FY21 funding will provide SIPR TACLANES upgrades, Database Security Gateways and Privilege Access Management, as well as network monitoring tool procurement and installation.										
CONUS Transformation (+\$33.51M): The increase of \$33.51M in FY 2021 funding will provide for storage infrastructure replacement to prevent against the loss of email archives (PST files), local data backups, solution storage, and shared drive services from equipment failure at end of life and end of service. Additionally, HBSS will be End of Life in FY21 and the replacement is required to be compliant with the DoD cyber-security mandate. Keeping HBSS on the network increases vulnerabilities to cyber attacks on the network.										
OCONUS Transformation (+\$12.20M): The FY 2021 increase of \$12.20M will provide for the security and technology improvements efforts, to include systems/security engineering and integration, production, installation and implementation of network infrastructure, in support of the future integration of ONE-Net into the NGEN business model. OCONUS transformation will begin in FY21 and drive towards a fully integrated Navy network with NIPR (unclassified) and SIPR (classified) enclaves operated via a controlled common operational approach as ONE-Net goes through the process of transition to the NMCI business model from both an operating model (GoGo/multivendor) and infrastructure perspective (aligning HW/SW/Capabilities to CONUS).										
NCTAMS LANT C4I (-\$1.0M): The FY 2021 decrease of \$1.0M is due to the MILCON Project P-913 for completion of project - Shore Based Enterprise Network Enhancements. This funding supports the procurement and installation of NMCI infrastructure to the new Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMSLANT) Facility (MILCON P-913).										
JRSS: (-\$0.008M): The FY 2021 decrease of \$.008M is due to the realignment of funds from LI 8164 to LI 8645 (Cyberspace Activities) to be functionally transferred to the Defense Information Systems Agency (DISA) during the year of execution.										
Collateral Equipment (BSO 60) - MILCON Project P-013 (-\$0.684M): The decrease of \$.684M from FY20-FY21 is due to the ramp down of design, installation, and equipment purchases in support of sensitive Compartmented Information (SCI) Facilities being completed. These funds ensure information sharing is executed in a controlled environment and at the appropriate classification levels for the Cyber Mission Forces Teams.										

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Exhibit P-5, Cost Analysis: PB 2021 Navy												Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5			P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service												Item Number / Title [DODIC]: 1 / Next Generation Enterprise Service			
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:						
Resource Summary				Prior Years			FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total			
Procurement Quantity (<i>Units in Each</i>)				-			-		-		-		-		-			
Gross/Weapon System Cost (\$ in Millions)				252.683			127.535		122.832		184.443		0.000		184.443			
Less PY Advance Procurement (\$ in Millions)				-			-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				252.683			127.535		122.832		184.443		0.000		184.443			
Plus CY Advance Procurement (\$ in Millions)				-			-		-		-		-		-			
Total Obligation Authority (\$ in Millions)				252.683			127.535		122.832		184.443		0.000		184.443			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-			0.676		0.526		0.304		-		0.304			
Gross/Weapon System Unit Cost (\$ in Thousands)				-			-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Hardware - CONUS Cost																		
Recurring Cost																		
1.1.1) CONUS Compliance Based Technical Refresh ⁽¹⁾	-	-	164.783	-	-	79.749	-	-	39.721	-	-	41.314	-	-	-	-	-	41.314
1.1.2) CONUS - Operation Rolling Tide / Cyber Resiliency	-	-	32.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) CONUS Transformation ⁽²⁾	-	-	-	-	-	-	-	-	-	-	-	33.510	-	-	-	-	33.510	
1.1.4) NGEN-R Transition ⁽³⁾	-	-	-	-	-	-	-	-	37.000	-	-	53.000	-	-	-	-	53.000	
<i>Subtotal: Recurring Cost</i>	-	-	197.283	-	-	79.749	-	-	76.721	-	-	127.824	-	-	-	-	-	127.824
<i>Subtotal: Hardware - CONUS Cost</i>	-	-	197.283	-	-	79.749	-	-	76.721	-	-	127.824	-	-	-	-	-	127.824
Hardware - OCONUS Cost																		
Recurring Cost																		
2.1.1) OCONUS Transformation ⁽⁴⁾	-	-	32.003	-	-	12.063	-	-	34.200	-	-	46.400	-	-	-	-	-	46.400
2.1.2) OCONUS Compliance Based Technical Refresh ⁽⁵⁾	-	-	13.810	-	-	22.037	-	-	10.000	-	-	10.000	-	-	-	-	-	10.000
2.1.3) OCONUS Piers Technical Refresh C4I	-	-	9.587	-	-	9.772	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2021 Navy													Date: February 2020													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5				P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service									Item Number / Title [DODIC]: 1 / Next Generation Enterprise Service													
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																										
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total										
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)								
Subtotal: Recurring Cost	-	-	55.400	-	-	43.872	-	-	44.200	-	-	56.400	-	-	-	-	-	56.400								
Subtotal: Hardware - OCONUS Cost	-	-	55.400	-	-	43.872	-	-	44.200	-	-	56.400	-	-	-	-	-	56.400								
Hardware - P013 MILCON Cost																										
Recurring Cost																										
3.1.1) P013 MILCON ^(†) ⁽⁶⁾	-	-	-	500.000	1	0.500	903.000	1	0.903	219.000	1	0.219	-	-	-	219.000	1	0.219								
Subtotal: Recurring Cost	-	-	-	-	-	0.500	-	-	0.903	-	-	0.219	-	-	-	-	-	0.219								
Subtotal: Hardware - P013 MILCON Cost	-	-	-	-	-	0.500	-	-	0.903	-	-	0.219	-	-	-	-	-	0.219								
Hardware - P-913 NCTAMS LANT C4I Cost																										
Recurring Cost																										
4.1.1) Shore Based Enterprise Network Enhancements: P-913 NCTAMS LANT C4I ⁽⁷⁾	-	-	-	-	-	3.414	-	-	1.000	-	-	-	-	-	-	-	-									
Subtotal: Recurring Cost	-	-	-	-	-	3.414	-	-	1.000	-	-	-	-	-	-	-	-									
Subtotal: Hardware - P-913 NCTAMS LANT C4I Cost	-	-	-	-	-	3.414	-	-	1.000	-	-	-	-	-	-	-	-									
Hardware - JRSS Cost																										
Recurring Cost																										
5.1.1) JRSS ⁽⁸⁾	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-									
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-									
Subtotal: Hardware - JRSS Cost	-	-	-	-	-	-	-	-	0.008	-	-	-	-	-	-	-	-									
Gross/Weapon System Cost	-	-	252.683	-	-	127.535	-	-	122.832	-	-	184.443	-	-	0.000	-	-	184.443								

(†) indicates the presence of a P-5a

Footnotes:

(1) FY20 funding for CONUS Compliance Based Technical Refresh was re-prioritized in order to properly reflect NGEN-R Transition requirements. The increase of \$1.593M from FY20-FY21 supports Compliance Based Technical Refresh which buys down previously incurred technical debt and accounts for the "sustainment" bridge required to ensure legacy infrastructure continues to pace the obsolescence-based cyber security threat until replaced by Network Transformation efforts. More specifically, FY21 funding will provide SIPR TACLANES upgrades, Database Security Gateways and Privilege Access Management, as well as network monitoring tool procurement and installation.

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Exhibit P-5, Cost Analysis: PB 2021 Navy		Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5	P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service	Item Number / Title [DODIC]: 1 / Next Generation Enterprise Service		
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:			
(2) The increase of \$33.510M in FY21 funding will provide for storage infrastructure replacement to prevent against the loss of email archives (PST files), local data backups, solution storage, and shared drive services from equipment failure at end of life and end of service. Additionally, HBSS will be End of Life in FY21 and the replacement is required to be compliant with the DoD cyber-security mandate. Keeping HBSS on the network increases vulnerabilities to cyber attacks on the network.				
(3) NGEN-R Transition increases by \$16M in FY21. The total projected minimum NGEN-R Service, Management, Integration and Transport (SMIT) transition cost to the new NGEN-R SMIT provider is \$90M (\$37M in FY20, \$53M in FY21). NGEN-R SMIT transition is planned for nine months beginning in FY20 and ending in FY21. The SMIT Transition effort encompasses the Phase-In and Phase-Out of 38 NGEN core services and 26 key management processes that are critical to day-to-day execution of CONUS and OCONUS Network Operations and Service Delivery. The transition entails the procurement and build-out of critical infrastructure for: 1) establishment of a government laboratory; 2) refresh of Service Operations tools; and 3) Service Desk stand-up.				
(4) The increase of \$12.2M from FY20-FY21 will provide for the security and technology improvement efforts, to include systems/security engineering and integration, production, installation and implementation of network infrastructure, in support of the future integration of ONE-Net into the NGEN business model. OCONUS transformation will begin in FY21 and drive towards a fully integrated Navy network with NIPR (unclassified) and SIPR (classified) enclaves operated via a controlled common operational approach as ONE-Net goes through the process of transition to the NMCI business model from both an operating model (GoGo/multivendor) and infrastructure perspective (aligning HW/SW/Capabilities to CONUS).				
(5) Funding will be used to upgrade existing hardware / software at various OCONUS locations in order to mitigate end of life, end of support and end of software support issues to maintain network performance, architecture/solution accreditations and network security.				
(6) The decrease of \$.684M from FY20-FY21 is due to majority of the design, installation, and equipment purchase in support of sensitive Compartmented Information (SCI) Facilities being completed. This will ensure information sharing is executed in a controlled environment and at the appropriate classification levels for the Cyber Mission Forces Teams.				
(7) FY21 decrease is due to completion of MILCON Project P-913.				
(8) Joint Regional Security Stacks (JRSS): Joint Information Environment (JIE) initiative that consolidates Cybersecurity control points for the Department of Defense (DoD) and mission support organizations. FY21-FY25 funding has been realigned from LI 8164 to LI 8645 (Cyberspace Activities) to functionally transfer funds to the Defense Information Systems Agency (DISA) during the year of execution.				

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5			P-1 Line Item Number / Title: 8164 / Next Generation Enterprise Service					Item Number / Title [DODIC]: 1 / Next Generation Enterprise Service				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) P013 MILCON		2019	NAVWAR / San Diego	C / FFP	San Diego, CA	Mar 2019	Mar 2019	1	500.000	N	Mar 2019	
3.1.1) P013 MILCON		2020	NAVWAR / San Diego	C / FFP	San Diego, CA	Mar 2020	Mar 2020	1	903.000	N	Mar 2020	
3.1.1) P013 MILCON		2021	NAVWAR / San Diego	C / FFP	San Diego, CA	Feb 2021	Feb 2021	1	219.000	N	Feb 2021	

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other					P-1 Line Item Number / Title: 8645 / Cyberspace Activities							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	0.000	16.523	0.000	16.523	86.586	88.241	87.921	89.648	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.000	0.000	0.000	16.523	0.000	16.523	86.586	88.241	87.921	89.648	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	0.000	0.000	16.523	0.000	16.523	86.586	88.241	87.921	89.648	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
Joint Regional Security Stack (JRSS): JRSS is a Joint Information Environment (JIE) initiative that consolidates Cybersecurity control points for the Department of Defense (DoD) and mission support organizations. JRSS will replace the existing Navy cyber protection boundaries allowing for a common and operable cyber defense network across all of the DoD. The Joint Information Environment (JIE) scope which included JRSS was laid out broadly in a series of Joint Chiefs of Staff Tank and Deputy Secretary Management Action Group (DMAG) decisions in 2012. DoD CIO, via the JIE EXCOM, has further refined the priorities of those tasks, consistent with the implementation strategy. JRSS is DoD's near term modernization priority, and is fielded as an Enterprise Service, as designated by the DoD CIO in November 2015. With the designation of JRSS as an Enterprise Service, the DoD CIO required JRSS be separately identified.												
Information Operations Condition (INFOCON) 3: Funding supports procurement of software, licensing upgrades and technical support, to include patches and version upgrades as required, for the Joint Information Management System (JIMS). This software enables JIMS to work across systems (Navy to Joint); provides reciprocal communications via web service calls; allows process and technology interfaces for incident reporting and provides situational awareness of U.S. Navy incidents.												
Deployable Mission Support Systems (DMSS) Kits: Funding supports the procurement and maintenance of Deployable Mission Support System (DMSS) kits. DMSS kits are operated by Cyber Protection Teams (CPTs) to survey, secure, and protect military networks aboard Navy ships, data centers, and shore sites worldwide. DMSS kits are used onsite to assess vulnerability and incident response with little to no notice. CPTs are able to conduct intensive, computation heavy analysis when bandwidth is limited or unavailable and able to deploy cyber planning and incident response elements into all theaters.												
[P5 / [USFFC] INFOCON 3 - Security Compliance NAVIFOR]: FY21 funds support procurement of software, licensing upgrades, and technical support for hardware/software that enhance analytical capacity and Host Based Security System mission system changes which provide warning to mitigate host level malicious activity. The software enables Joint Information Management System (JIMS) capability to work across systems (Navy to Joint); provides reciprocal communications via web service calls; allows process and technology interfaces for incident reporting, and provides situational awareness of U.S. Navy incidents.												
[P5 / [USFFC] Deployable Mission Support Systems]: Deployable Mission Support System (DMSS) are operated by Cyber Protection Teams (CPTs) to survey, secure, and protect military networks aboard Navy ships, data centers, and shore sites. The Navy is responsible for 20 CPTs within the Cyber Mission Force (CMF). Per USCYBERCOM System Requirements Document (SRD) V1.0, each CPT must be provided with two (2) DMSS kits to support two (2) simultaneous team deployments. Hardware and software obsolescence in a rapidly changing cyber environment along with mobile deployments requires a technical refresh every three (3) years to maintain operational readiness. This funding profile will achieve the goal to assign each of the twenty (20) CPTs two (2) DMSS kits.												

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 07: Personnel & Command Support Equip / BSA 5: Other				P-1 Line Item Number / Title: 8645 / Cyberspace Activities					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A	
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Cyberspace Activities	P-5a, P-21			- / 0.000	- / 0.000	- / 0.000	- / 16.523	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	- / 16.523	- / 0.000

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

Joint Regional Security Stack: Funding in FY 2021 and out was realigned from OPN LI 8164 to LI 8645 (Cyberspace Activities) in order to report JRSS funding in a "Cyber Pure" line item. FY 2021 JRSS funding was further realigned to DISA to pay for the Navy's fair share of the JRSS must pay bill.

Information Operations Condition (INFOCON) 3 (+\$3.899M): Starting in FY 2021, funding for INFOCON 3, Security Compliance, realigned from budget line item 8106. Additionally, increase from FY20 to FY21 for INFOCON (8106 and 8645) is to bring new Artificial Intelligence and hyper convergence infrastructure capabilities in support of host based security system, assured compliance assessment solution, continuous monitoring risk scoring-navy and other systems required to mitigate attacks.

Deployable Mission Support Systems (DMSS) Kits (+\$12.624M): Starting in FY 2021, funding for Deployable Mission Support Systems, realigned from budget line item 8120. Funds required for procurement, integration, fielding and modernization of Small, Medium and Large Scale Communication Systems for Naval Expeditionary forces. Additionally, program funds procure, integrate, field and modernize tactical C4I, including Rapid Response Kits (RRK), rapid-deployable, roll on/roll off C2 suite to support Expeditionary Mine Countermeasures (ExMCM), referred to as Expeditionary Carry-on. Per USCYBERCOM DMSS System Requirements Document V1.0, each Cyber Protection Team (CPT) must be provisioned with two (2) DMSS kits to support two (2) simultaneous 13-man team deployments (40 total). The primary mission of a CPT is to survey, secure, and protect military networks aboard Navy ships, data centers, and shore sites worldwide which necessitates onsite vulnerability assessments and incident response on little to no notice. Field deployable computing assets for the twenty (20) Navy CPTs are required to allow globally deployable teams to conduct intensive, computation heavy analysis when reach-back capability is unavailable or bandwidth is limited. Additionally, Navy CPTs located CONUS will be required to deploy cyber planning and incident response elements into theater to support U.S. Fourth Fleet (C4F), U.S. Fifth Fleet (C5F), U.S. Sixth Fleet (C6F), and U.S. Seventh Fleet (C7F) mission assurance objectives to include identification of cyber key terrain and Operation Plan (OPLAN) development. Hardware and software obsolescence in a rapidly changing cyber environment along with mobile deployments requires a technical refresh every three (3) years to maintain operational readiness.

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Exhibit P-5, Cost Analysis: PB 2021 Navy													Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5				P-1 Line Item Number / Title: 8645 / Cyberspace Activities									Item Number / Title [DODIC]: 1 / Cyberspace Activities						
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:						
Resource Summary				Prior Years			FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (<i>Units in Each</i>)				-			-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				0.000			0.000		0.000		16.523		0.000		16.523				
Less PY Advance Procurement (\$ in Millions)				-			-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				0.000			0.000		0.000		16.523		0.000		16.523				
Plus CY Advance Procurement (\$ in Millions)				-			-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				0.000			0.000		0.000		16.523		0.000		16.523				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)				-			-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)				-			-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Hardware - USFFC BSO 60 Costs Cost																			
Recurring Cost																			
2.1.1) [USFFC] INFOCON 3 - Security Compliance NAVIFOR ⁽¹⁾	-	-	-	-	-	-	-	-	-	3,899.000	1	3.899	-	-	-	3,899.000	1	3.899	
2.1.2) [USFFC] Deployable Mission Support Systems ⁽²⁾	-	-	-	-	-	-	-	-	-	1,052.000	12	12.624	-	-	-	1,052.000	12	12.624	
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	16.523	-	-	-	-	16.523	
<i>Subtotal: Hardware - USFFC BSO 60 Costs Cost</i>	-	-	-	-	-	-	-	-	-	-	-	-	16.523	-	-	-	-	16.523	
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	16.523	-	-	0.000	-	-	16.523	

(†) indicates the presence of a P-5a

Footnotes:

(1) Starting in FY21, funding for INFOCON 3, Security Compliance, realigned from budget line item 8106, an approved Cyber Mission Resource line.

(2) Starting in FY21, funding for Deployable Mission Support Systems, realigned from budget line item 8120.

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Exhibit P-5a, Procurement History and Planning: PB 2021 Navy								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5			P-1 Line Item Number / Title: 8645 / Cyberspace Activities					Item Number / Title [DODIC]: 1 / Cyberspace Activities				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) [USFFC] INFOCON 3 - Security Compliance NAVIFOR		2021	Naval Information Warfare Center (NIWC) Atlantic / Charleston, SC	C / FFP	Charleston	Feb 2021	Feb 2021	1	3,899.000	N	Feb 2021	
2.1.2) [USFFC] Deployable Mission Support Systems ^(†)		2021	Naval Information Warfare Systems Command, San Diego, CA / San Diego, CA	C / FFP	NIWC PAC	Feb 2021	May 2021	12	1,052.000	N	Dec 2020	Dec 2020

(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2021 Navy																				Date: February 2020																			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5										P-1 Line Item Number / Title: 8645 / Cyberspace Activities										Item Number / Title [DODIC]: 1 / Cyberspace Activities																			
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022											B A L A N C E									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1	2021	NAVY	12	0	12	A -	-	-	3	3	6																							0					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									
2.1.2) [USFFC] Deployable Mission Support Systems (2)																																							

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Exhibit P-21, Production Schedule: PB 2021 Navy									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 07 / 5			P-1 Line Item Number / Title: 8645 / Cyberspace Activities						Item Number / Title [DODIC]: 1 / Cyberspace Activities			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Naval Information Warfare Systems Command, San Diego, CA - San Diego, CA			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts						P-1 Line Item Number / Title: 9020 / Spares and Repair Parts							
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A						Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 000													
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (\$ in Millions)	0.000	306.502	341.591	374.195	0.000	374.195	331.769	345.854	346.278	346.296	Continuing	Continuing	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	0.000	306.502	341.591	374.195	0.000	374.195	331.769	345.854	346.278	346.296	Continuing	Continuing	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (\$ in Millions)	0.000	306.502	341.591	374.195	0.000	374.195	331.769	345.854	346.278	346.296	Continuing	Continuing	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-	
Description: OPN-8 Budget Line Item (BLI) 9020 Spares and Repair Parts Budget, provides funding to procure spares for systems and equipment budgeted in Budget Activities (BA) 01-07. This budget is a follow on account, which supports the End-Item Hardware procurements. It is further broken down within three separate sub-line items: 10 (9020-10) Initial Spares, 90 (9020-90) Vendor-Direct (Replenishment) Spares, and 20 (9020-20) for Coordinated Shipboard Allowance List (COSAL) Outfitting Spares. Sub-line items 10 and 90 collectively are referred to as Interim Spares. During this Interim phase, Initial Spares are procured by NAVSEA Program Offices and other SYSCOMs to support newly procured hardware installations. This material may include, but is not limited to, Installation and Check out (INCO-I/INCO-R) Spares, On-Board Repair Parts (OBRP), Maintenance Assistance Modules (MAM) and Interim Depot Stock. INCOs are tools, hardware, spares, and repair parts provided with end-items to be used during installation and check out of a newly installed end-item/System. OBRPs are an initial lay-in of spares and repair parts to support new system installations. MAMs are plug-in/unplug, remove and replace items, such as circuit cards, used for diagnostic purposes in performing corrective maintenance on end-items. Interim Depot stock, also known as Vendor Direct/Replenishment Spares, provide Appropriation Purchase Account (APA) material for planned equipment replacement programs and supports the depot level maintenance turn-a-round time and depot through put capabilities. During the Outfitting phase, material procurements buy out material from the DoD supply system to provide OBRPs for allowance increases in initial range and depth, maintenance and modernizations efforts, and configuration changes. In addition to specific requirements identified above, the overall 9020 Spares and Repair parts budget supports Special Programs such as Q-COSAL range and depth repair parts, special tools, chemicals and other miscellaneous portable items necessary for operation, overhaul, and repair of reactor plant equipment for each nuclear powered hull; Gold Disk micro/minature 2M repair; Portable Firefighting Equipment; and Damage Control Locker parts.													

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						
1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts				9020 / Spares and Repair Parts						
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 000										
Exhibits Schedule				Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-18	OPN spares				- / -	- / 306.502	- / 341.591	- / 374.195	- / -	- / 374.195
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 306.502	- / 341.591	- / 374.195	- / 0.000	- / 374.195
Title represents the P-18 Title for Spares.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: The FY21 funding request was reduced by \$1.760 million to account for the availability of prior year execution balances.										
Note: All amounts below delineate program increases compared to FY20.										
Note: Starting in FY21, 4217O / Advanced Arresting Gear (AAG) has a five-digit cost type compared to the normal four digits to deconflict with 4217W / Gun Mount Mods in Weapons Procurement, Navy.										
Initial Spares										
0670 / Other Navigation Equipment - (Initial) Increase funds to support AN/WSN-12 fielding and AN/WSN-7 modernization (\$0.392 million).										
0840 / Sub Periscope, Imaging and Supt Equip Prog - (Initial) Increase funds to support higher costs for Technical Insertion (TI-20) VIRGINIA systems and BPS RADAR requirements (\$2.318 million).										
0960 / CG Modernization - Increase funds to support the AN/SQQ-89 TI-18 requirements (\$1.348 million).										
0977 / Underwater EOD Programs - (Initial) Increase funds support additional spares for Expeditionary MCM equipment including unmanned underwater vehicles, diver-based integrated navigation and sonar systems, underwater breathing apparatus and associated equipment. Additional spares are required due to the increase in Ex MCM Companies being established in COMFIFTHFLT and COMSEVENTHFLT (\$5.393 million).										
1210/ Standard Boats - (Initial) Increase funds support the delivery of the first twelve (12) 40 foot Patrol Boats (40PB) to Naval Expeditionary Combatant Command (NECC) in FY21. The 40PB conducts maritime expeditionary security operations across all phases of military operations by defending high value units, critical maritime infrastructure, ports, and harbors both inland and on coastal waters against enemies (\$0.411 million).										
1601 / LCS MCM Mission Modules - (Initial) Increase funds support new MCM systems that include: AN/AQS-20C mine-hunting sonar systems, and SMCM Unmanned Underwater Vehicles (UUV) Knifefish systems (\$6.306 million).										
1611 / Small & Medium Unmanned Undersea Vehicles (UUV) - (Initial) Funding supports initial installment of spares for small and medium UUVs. Small and medium UUVs are a segment of the Navy's Family of UUVs defined as having a diameter between 3 inches and 10 inches for small UUVs and a diameter of 10 inches to 21 inches for medium UUVs. The UUVs can be launched from small boats, surface ships, submarines, or larger UUVs and recovered by surface ships and some submarines. Small and Medium UUVs currently provide the warfighter battlespace awareness, Intelligence Preparation of the Operational Environment (IPOE), and Mine Warfare (MIW) capability including buried and volume mine hunting (\$2.780 million).										

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts	P-1 Line Item Number / Title: 9020 / Spares and Repair Parts	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: 000		
2210 / Submarine Acoustic Warfare SAWS (Initial)- Increase funds support new CSA Technology Insertion TI-20 to align CSA with SWFTS spares procurement increase from two (2) in FY20 to three (3) in FY21. And new CSA Technology Insertion TI-22 to align CSA with SWFTS spares procurement increase from zero (0) in FY20 to two (2) in FY21 (\$0.212 million).		
2213 / Surface Ship Torpedo Defense SSTD (Initial)- FY20 to FY21 increase due to requirements transitioning from initial to replenishment spares (\$0.170 million).		
2312 AN/SLQ-32 (Initial) - Increase funds support spares associated with the installation of the SEWIP Block 3 systems (\$0.707 million).		
2360/ Shipboard IW Exploit - (Initial) Increase funds support additional costs for Installation/Check Out (INCO)and INCO R quantities adjusted to match end item procurements (\$1.544 million).		
2361 / Automatic Identification System (AIS) - (Initial) Increase funds support additional AIS Cyber Security hardware (\$.004 million).		
2606 / Cooperative Engagement Capability (Initial) - Increase funds support three (3) USG-2B INCO kit procurements, compared to zero (0) in FY20 (\$0.574 million).		
2611 / Naval Tact Cmd Supt (NTCSS) (Initial) - Increase funds to support NOSS, NAMS, NOME peripheral requirements (\$0.196 million).		
2614 / Adv Tact Data Link Sys (ATDLS) - (Initial) Increase funds support Link 16 accelerated installation requirements (\$1.090 million).		
2657 / NAVSTAR GPS RECEIVER (SPACE) - (Initial) Increase funds support previous unfunded requirements (\$0.960 million).		
2676 / Strategic Platform Support Equipment (initial)- Funding increase from FY20 to FY21 of is due to the number of ship installs increasing in FY21 (\$0.830 million).		
2820 / Ashore ATC Equipment - (Initial) Increase funds support an additional 95 NASMOD radios and seven (7) TAS Tech Refresh Upgrade II systems (\$1.162 million).		
2830 / Afloat ATC Equip - (Initial) Increase funds support acquisition and fielding plans for SPN-50 (V) 1 (\$3.329 million).		
2867 / Joint Precision Approach and Landing System (JPALS) - (Initial) Increase funds support spares in support of the approved acquisition and fielding plans for JPALS (\$1.275 million).		
2876 / Naval Mission Planning Systems - (Initial) Increase funds support procurements of Mission Planning Systems for the F/A-18, MH-60 and AH-1 programs (\$.004 million).		
2906 / Tactical/Mobile C4I Systems - (Initial) Increase funds due to additional support required for P-8A and MQ-4 TRITON (\$0.429 million).		
2914 / Distributed Common Ground System-Navy - (Initial) Increase funds due to additional ICOP workstation technical refresh procurements (\$.0427 million).		
2960 / Integ Combat System Test Facility - (Initial) Increase funds due to the additional Shipboard Electronic Systems Evaluation Facilities (SESEFs) (\$0.110 million).		
3010 / Shipboard Tactical Comms - (Initial) Increase funds support additional installations of DMR configuration on CGs, CVNs and DDGs (\$.557 million).		
3050 / Ship Communications Automation - (Initial) Increase funds support ADNS Inc III SP4 for L(V)2, L(V)3, and B(V)9 installations (\$0.778 million).		
3057 / Communications Items under \$5 Million - (Initial) Increase funds support additional installations (\$0.083 million).		
3130 / Submarine Communication Equipment - (Initial) Increase funds support increased installations by total of 11 (+5 CSRR, +6 OE-538B) (\$0.350 million).		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts	P-1 Line Item Number / Title: 9020 / Spares and Repair Parts	
ID Code (A=Service Ready, B=Not Service Ready): A Line Item MDAP/MAIS Code: 000	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
<p>3215 / Satellite Communications Systems - (Initial) Increase funds support additional installations for NMT, ATIP and CBSP programs (\$0.333 million).</p> <p>3620 / Coast Guard Equipment - (Initial) Increase funds support additional spares for Navy-type, Navy Owned (NTNO) equipment Multi-Mode Radar and MK20 Mod1 Electro Optical Sighting Systems (EOSS) for Offshore Patrol Cutter (WMSM) requirements. (\$0.058 million)</p> <p>4213 / Aircraft Support Equipment - (Initial) Increase funds procure 65 EMALS Programmable Logic Control units and 4 Visual Landing Aid (VLA) Land-based Optical Landing Aid (LOLA) systems for their respective ECP (\$0.101 million).</p> <p>4217 / Advanced Arresting Gear (AAG) - (Initial) Increase funds support spares for reliability improvements for the Ford Class CVNs - specifically the AAG Half-Bridge Reliability, AAG Water Twister and the Foller Screw Roller Nut ECPs (\$0.187 million).</p> <p>5253 / Tomahawk Support Equipment - (Initial) Increase funds support additional Installation Check-Out (INCO) replenishment kits in support of Tactical Tomahawk Weapons Control System (TTWCS) installations (\$0.109 million).</p> <p>5420 / SSN Combat Control Systems - (Initial) Increase funds support a first-time modernization of the VA Class Submarines with the Common Weapons Launcher. Additionally, funds support a year over year increase from four (4) platforms to six (6) (\$2.274 million).</p> <p>5661 / Submarine Training Device Mods - (Initial) Increase funds support additional requirements (\$0.145 million).</p> <p>8120 / C4ISR Equipment - (Initial) Funds support new Navy Expeditionary Tactical Command and Control (NETC2) and Expeditionary Carry-On Network (EXCON) requirements (\$0.350 million).</p>		
<p>VENDOR DIRECT Spares (Replenishment)</p> <p>0840 / Sub Periscope, Imaging and Supt Equip Program (REPLEN) - Increase funds support the more expensive Type 20 Mast compared to the Low Profile Photonics Mast (LPPM) (\$5.073 million).</p> <p>0950 / Strategic Platform Support Equipment (REPLEN)- funding increase from FY20 to FY21 of is due to the fleet input on asset requirements for the SSBN availability generated as part of the Authorized Repair Level (ARL) math model that computes the needs/ requirements for each asset based on various parameters including component depth, planned replacement scheduling data, procurement lead-times and repair turnaround times. The TRIPER math model identifies inventory depths necessary to maintain a level of material to support both planned scheduled change-outs and unplanned requirements (\$0.033 million).</p> <p>1600 / LCS Common Mission Modules Equipment (REPLEN) - Increase due to more Airborne Laser Mine Detection System (ALMDS) and Airborne Mine Neutralization System (AMNS), AN/AQS-20A Mine Detection Sonars deployed on LCS ships carrying MCM mission module (\$1.144 million).</p> <p>2145 / Towed Arrays AN/BQQ-5 (REPLEN) - Increase funds support previous unfunded requirements being included in FY21. FY21 funds also support the addition of two new submarine towed arrays into Fleet inventory (\$5.756 million).</p> <p>2210 / Submarine Acoustic Warfare SAWS (REPLEN)- Increase funds support previous unfunded requirements being included in FY21 (\$0.878 million).</p> <p>2213 / Surface Ship Torpedo Def (SSTD) - funding increase from FY20 to FY21 of is due inflation pricing on estimated escalation costing for assets (\$0.005 million).</p>		

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Exhibit P-40, Budget Line Item Justification: PB 2021 Navy		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 08: Spares and Repair Parts / BSA 1: Spares And Repair Parts	P-1 Line Item Number / Title: 9020 / Spares and Repair Parts	
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: 000		
2237 / SURTASS (REPLEN)- Increase funds support aging SURTASS arrays and provide additional replenishment spares in support of the Expeditionary SURTASS (SURTASS-E) Rapid Prototyping, Experimentation, and Demonstration (RPED) project which fields additional units beginning in FY21 (\$4.645 million).		
2360 / Shipboard IW Exploit - (REPLEN) FY21 is the first year of replenishment spares needed to support mission specific modules for SSEE carry-on capability (\$1.493 million).		
2622 / Minesweeping System Replacement (REPLEN) - Increase of (\$0.136Millions) in FY21 supports additional procurement to support the 94 Trainer and SLQ-48 systems in the Fleet.		
4226 / Meteorological Equipment - (REPLEN) Increase funds support the addition of new PSDs for NITES-Next and HWDDC (\$0.947 million).		
4248 / Legacy Airborne MCM (REPLEN) / JCRSO - Increase funds support increased operational usage of the legacy Mine Sweeping Sled (MK105 Mod 4), specifically turbine and auxiliary float assemblies (\$1.587 million).		
5253 / Tomahawk Support Equipment - (REPLEN) Increase funds support additional spares of the CAT5 Matrix Switch and Dell R740 Server due to increases in unit cost and failure rates. (\$0.227 million)		
5358 / Strategic Missile Systems Equip - (REPLEN) Increase funds required for the replenishment purchases of Strategic Weapons System (SWS) supply system stock of secondary items used in the TRIDENT Platform. The FY21 increase is required to meet inventory objectives following a reduction in FY20, which was below historical requirements (\$0.335 million).		
5420 / SSN Combat Control Systems - (REPLEN) Increased funds required for the procurement of TRIDENT Load List equipment. The FY21 increase is required to meet inventory objectives following a reduction in FY20 which was below historical requirements (\$0.131 million).		
5429 / ASW Support Equipment - (REPLEN) Increase funds support procures a spare Ultra-Short Baseline (USBL) Tracking Array for the United States (US) Fleet Operational Readiness Accuracy Check Sites (FORACS) Program, which is used to conduct sensor accuracy tests (\$0.320 million).		

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2021 Navy						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1		P-1 Line Item Number / Title: 9020 / Spares and Repair Parts			Title: OPN spares		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2019 (\$ M)	FY 2020 (\$ M)	FY 2021 Base (\$ M)	FY 2021 OCO (\$ M)	FY 2021 Total (\$ M)	
Initial							
BA 01 - Ships Support Equipment							
0200 / Surface Combatant HM&E	-	0.227	0.049	0.029	-	0.029	
0670 / Other Navigation Equipment	-	-	0.270	0.662	-	0.662	
0840 / Sub Periscope, Imaging and Supt Equip Prog	-	7.138	22.091	24.409	-	24.409	
0900 / DDG Mod	-	0.813	4.844	4.064	-	4.064	
0920 / Outfitting-COSAL	-	114.520	138.726	136.422	-	136.422	
0935 / Pollution Control Equipment	-	0.044	0.088	0.021	-	0.021	
0942 / Virginia Class Support Equipment	-	0.068	-	0.000	-	0.000	
0944 / LCS Class Support Equipment	-	2.754	-	0.000	-	0.000	
0946 / LPD Class Support Equipment	-	-	0.213	0.000	-	0.000	
0960 / CG Modernization	-	1.248	0.951	2.299	-	2.299	
0977 / Underwater EOD Equipment	-	2.424	7.345	12.738	-	12.738	
0981 / Items less than \$5 Million	-	-	0.015	0.000	-	0.000	
1210 / Standard Boats	-	-	-	0.411	-	0.411	
1600 / LCS Common Mission Modules Equipment	-	0.068	1.035	0.443	-	0.443	
1601 / LCS MCM Mission Modules	-	0.971	6.000	12.306	-	12.306	
1602 / LCS ASW Mission Modules	-	0.578	0.300	0.347	-	0.347	
1603 / LCS SUW Mission Modules	-	1.559	1.419	0.133	-	0.133	
1604 / LCS In-Service Modernization	-	-	2.380	2.113	-	2.113	
1611 / Small & Medium UUV	-	-	-	2.780	-	2.780	
BA 02 - Communications & Electronics Equip							
2026 / SPQ-9B Radar	-	1.003	0.367	0.294	-	0.294	
2136 / AN/SQQ-89 Surf ASW Cmbt Sys	-	3.091	2.636	1.376	-	1.376	
2150 / SSN Acoustic Equipment	-	20.540	22.295	21.140	-	21.140	
2210 / Submarine Acoustic Warfare System	-	0.661	0.229	0.441	-	0.441	
2213 / Surface Ship Torpedo Def (SSTD)	-	0.799	0.264	0.434	-	0.434	
2237 / SURTASS	-	2.782	2.753	2.239	-	2.239	
2312 / AN/SLQ-32	-	9.903	4.289	4.996	-	4.996	
2360 / Shipboard IW Exploit	-	4.978	4.095	5.639	-	5.639	
2361 / Automatic Identification System (AIS)	-	0.005	0.033	0.037	-	0.037	
2606 / Cooperative Engagement Capability	-	0.831	0.548	1.122	-	1.122	

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2021 Navy					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1	P-1 Line Item Number / Title: 9020 / Spares and Repair Parts				Title: OPN spares		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2019 (\$ M)	FY 2020 (\$ M)	FY 2021 Base (\$ M)	FY 2021 OCO (\$ M)	FY 2021 Total (\$ M)	
2611 / Naval Tact Cmd Supt Sys (NTCSS)	-	0.128	0.103	0.299	-	0.299	
2614 / Adv Tact Data Link Sys (ATDLS)	-	1.669	2.048	3.138	-	3.138	
2618 / Navy Command and Control System (NCCS)	-	0.187	0.053	0.016	-	0.016	
2622 / Minesweeping System Replacement	-	-	0.592	0.000	-	0.000	
2624 / Shallow Water MCM	-	-	0.380	0.369	-	0.369	
2657 / NAVSTAR GPS Receivers (Space)	-	0.149	0.252	1.212	-	1.212	
2676 / Strategic Platform Support Equip	-	0.861	0.907	0.990	-	0.990	
2762 / Other Training Equipment	-	-	-	0.113	-	0.113	
2820 / Ashore ATC Equipment	-	2.238	2.017	3.179	-	3.179	
2830 / Afloat ATC Equipment	-	-	1.767	5.096	-	5.096	
2867 / Joint Precision Approach and Landing System(JPALS)	-	4.633	10.822	12.097	-	12.097	
2876 / Naval Mission Planning Systems	-	0.192	0.086	0.090	-	0.090	
2906 / Tactical/Mobile C4I Systems	-	1.625	0.652	1.081	-	1.081	
2914 / Distributed Common Ground System-Navy (DCGS-N)	-	0.157	0.554	0.981	-	0.981	
2915 / CANES	-	7.268	8.834	7.957	-	7.957	
2950 / Network Tactical Common Data Link (CDL)	-	0.117	0.350	0.000	-	0.000	
2960 / Integ Combat System Test Facility	-	0.150	0.145	0.255	-	0.255	
2980 / Items less than \$5 Million	-	0.438	0.214	0.157	-	0.157	
3010 / Shipboard Tactical Comms	-	0.598	0.444	1.001	-	1.001	
3050 / Ship Communications Automation	-	1.062	1.005	1.783	-	1.783	
3057 / Communications Items under \$5M	-	-	0.010	0.093	-	0.093	
3107 / Submarine Broadcast Support	-	0.121	0.123	0.136	-	0.136	
3130 / Submarine Communication Equipment	-	1.377	0.765	1.115	-	1.115	
3215 / Satellite Communications Systems	-	0.127	0.111	0.444	-	0.444	
3216 / Navy Multiband Terminal (NMT)	-	0.231	0.159	0.101	-	0.101	
3415 / Info Systems Security Program (ISSP)	-	1.968	-	0.000	-	0.000	
3620 / Coast Guard Equipment	-	-	0.226	0.284	-	0.284	
BA 03 - Aviation Support Equipment							
4204 / Weapons Range Support Equipment	-	5.960	3.480	1.068	-	1.068	
4213 / Aircraft Support Equipment	-	2.597	2.059	2.160	-	2.160	
4217 / Advanced Arresting Gear (AAG)	-	-	-	0.189	-	0.189	
4226 / Meteorological Equipment	-	0.752	0.736	0.112	-	0.112	

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2021 Navy					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1		P-1 Line Item Number / Title: 9020 / Spares and Repair Parts			Title: OPN spares		
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2019 (\$ M)	FY 2020 (\$ M)	FY 2021 Base (\$ M)	FY 2021 OCO (\$ M)	FY 2021 Total (\$ M)	
4242 / DCRS/DPL	-	0.055	-	0.000	-	0.000	
4248 / Legacy Airborne MCM	-	0.359	0.619	0.227	-	0.227	
4268 / Aviation Support Equipment	-	-	0.039	0.000	-	0.000	
BA 04 - Ordnance Support Equipment							
5231 / Ship Missile Support Equipment	-	4.447	3.766	3.029	-	3.029	
5253 / Tomahawk Support Equipment	-	0.189	0.069	0.178	-	0.178	
5420 / SSN Combat Control Systems	-	1.792	3.885	6.159	-	6.159	
5509 / EOD Equipment	-	0.002	2.063	0.290	-	0.290	
5661 / Submarine Training Device Mods	-	0.322	0.140	0.285	-	0.285	
5664 / Surface Training Equipment	-	0.108	1.276	0.838	-	0.838	
BA 05 - Civil Engineering Support Equip							
6033 / Amphibious Equipment	-	-	0.132	0.023	-	0.023	
9501 / Spares for Rolling Stock	-	0.138	0.084	0.240	-	0.240	
BA 07 - Personnel & Command Support Equip							
8106 / Command Support Equipment	-	0.006	0.007	0.007	-	0.007	
8120 / C4ISR Equipment	-	-	-	0.350	-	0.350	
8161 / Enterprise Information Technology	-	0.138	0.085	0.003	-	0.003	
8164 / Next Generation Enterprise Service	-	0.676	0.526	0.304	-	0.304	
BA 08 - Spares and Repair Parts							
9924 / Spares for NAVSEA (For NAVSEA special programs)	-	0.276	3.220	2.098	-	2.098	
9925 / Spares for NAVFAC (for NAVFAC special programs)	-	0.286	0.858	0.610	-	0.610	
Subtotal: Initial	-	220.404	278.898	297.052	-	297.052	
Replenishment							
BA 01 - Ships Support Equipment							
0840 / Sub Periscope, Imaging and Supt Equip Prog	-	6.842	2.776	7.849	-	7.849	
0942 / Virginia Class Support Equipment	-	2.703	9.647	6.461	-	6.461	
0950 / Strategic Platform Support Equip	-	16.545	13.444	13.477	-	13.477	
1600 / LCS Common Mission Modules Equipment	-	1.216	0.719	1.863	-	1.863	
1603 / LCS SUW Mission Modules	-	-	2.434	1.170	-	1.170	
BA 02 - Communications & Electronics Equip							
2130 / Surface Sonar Support Equipment	-	1.530	1.426	0.675	-	0.675	
2136 / AN/SQQ-89 Surf ASW Cmbt Sys	-	7.266	6.031	4.586	-	4.586	

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Exhibit P-18, Initial and Replenishment Spare and Repair Parts Justification: PB 2021 Navy					Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 08 / 1		P-1 Line Item Number / Title: 9020 / Spares and Repair Parts			Title: OPN spares	
End Item Line Item Number / Name [MDAP/MAIS]	Prior Years (\$ M)	FY 2019 (\$ M)	FY 2020 (\$ M)	FY 2021 Base (\$ M)	FY 2021 OCO (\$ M)	FY 2021 Total (\$ M)
2145 / AN/BQQ-5	-	10.403	4.496	10.252	-	10.252
2210 / Submarine Acoustic Warfare System	-	1.497	0.664	1.542	-	1.542
2213 / Surface Ship Torpedo Def (SSTD)	-	0.396	0.162	0.167	-	0.167
2237 / SURTASS	-	8.308	4.335	8.980	-	8.980
2360 / Shipboard IW Exploit	-	-	-	1.493	-	1.493
2622 / Minesweeping System Replacement	-	2.510	1.304	1.440	-	1.440
2624 / Shallow Water MCM	-	0.142	0.270	0.000	-	0.000
BA 03 - Aviation Support Equipment						
4226 / Meteorological Equipment	-	1.779	1.419	2.366	-	2.366
4248 / Legacy Airborne MCM	-	10.645	2.055	3.642	-	3.642
BA 04 - Ordnance Support Equipment						
5111 / Ship Gun Systems Equipment	-	5.752	6.619	5.275	-	5.275
5253 / Tomahawk Support Equipment	-	0.360	0.160	0.387	-	0.387
5358 / Strategic Missile Systems Equip	-	5.439	3.349	3.684	-	3.684
5420 / SSN Combat Control Systems	-	1.030	0.286	0.417	-	0.417
5429 / ASW Support Equipment	-	1.735	1.097	1.417	-	1.417
Subtotal: Replenishment	-	86.098	62.693	77.143	-	77.143
Total Cost (Initial + Replenishment)	-	306.502	341.591	374.195	-	374.195

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