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**DEPARTMENT OF DEFENSE**

**DD 1414**

**BASE FOR REPROGRAMMING ACTIONS**

**DIVISION A OF PUBLIC LAW 116-93, DEPARTMENT OF DEFENSE  
APPROPRIATIONS ACT, 2020**

***APPROVED: DECEMBER 20, 2019***

**EFFECTIVE: OCTOBER 1, 2019**

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**SUBMITTED BY:**

Office of the Under Secretary of Defense (Comptroller)  
Directorate for Program and Financial Control  
Room 3C689, The Pentagon  
Telephone: (703) 697-0021

The estimated cost of this report or study  
for the Department of Defense is  
approximately \$219,000 for the 2020  
Fiscal Year. This includes \$52,000 in  
expenses and \$167,000 in DoD labor.

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UNDER SECRETARY OF DEFENSE  
1100 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1100

COMPTROLLER

JAN 24 2020

The Honorable Peter J. Visclosky  
Chairman  
Subcommittee on Defense  
Committee on Appropriations  
U. S. House of Representatives  
Washington, DC 20515

Dear Mr. Chairman:

In accordance with section 8007 of division A of Public Law 116-93, Department of Defense Appropriations Act, 2020 and established reprogramming procedures, enclosed is the required report to establish the baseline for application of reprogramming and transfer authorities. This report (DD 1414, Base for Reprogramming Actions) also includes funding from Title IX, Overseas Contingency Operations. A similar letter is being sent to the Chairs of the other congressional defense committees.

Sincerely,

Elaine McCusker  
Acting

Enclosure:  
As stated

cc:  
The Honorable Ken Calvert  
Ranking Member



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UNDER SECRETARY OF DEFENSE  
1100 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1100

COMPTROLLER

JAN 24 2020

The Honorable Adam Smith  
Chairman  
Committee on Armed Services  
U. S. House of Representatives  
Washington, DC 20515

Dear Mr. Chairman:

In accordance with section 8007 of division A of Public Law 116-93, Department of Defense Appropriations Act, 2020 and established reprogramming procedures, enclosed is the required report to establish the baseline for application of reprogramming and transfer authorities. This report (DD 1414, Base for Reprogramming Actions) also includes funding from Title IX, Overseas Contingency Operations. A similar letter is being sent to the Chairs of the other congressional defense committees.

Sincerely,

Elaine McCusker  
Acting

Enclosure:  
As stated

cc:  
The Honorable William M. "Mac" Thornberry  
Ranking Member



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UNDER SECRETARY OF DEFENSE  
1100 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1100

COMPTROLLER

JAN 24 2020

The Honorable Richard C. Shelby  
Chairman  
Subcommittee on Defense  
Committee on Appropriations  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

In accordance with section 8007 of division A of Public Law 116-93, Department of Defense Appropriations Act, 2020 and established reprogramming procedures, enclosed is the required report to establish the baseline for application of reprogramming and transfer authorities. This report (DD 1414, Base for Reprogramming Actions) also includes funding from Title IX, Overseas Contingency Operations. A similar letter is being sent to the Chairs of the other congressional defense committees.

Sincerely,

Elaine McCusker  
Acting

Enclosure:  
As stated

cc:  
The Honorable Richard J. Durbin  
Vice Chairman



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UNDER SECRETARY OF DEFENSE  
1100 DEFENSE PENTAGON  
WASHINGTON, DC 20301-1100

COMPTROLLER

JAN 24 2020

The Honorable James M. Inhofe  
Chairman  
Committee on Armed Services  
United States Senate  
Washington, DC 20510

Dear Mr. Chairman:

In accordance with section 8007 of division A of Public Law 116-93, Department of Defense Appropriations Act, 2020 and established reprogramming procedures, enclosed is the required report to establish the baseline for application of reprogramming and transfer authorities. This report (DD 1414, Base for Reprogramming Actions) also includes funding from Title IX, Overseas Contingency Operations. A similar letter is being sent to the Chairs of the other congressional defense committees.

Sincerely,

Elaine McCusker  
Acting

Enclosure:  
As stated

cc:  
The Honorable Jack Reed  
Ranking Member



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Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Military Personnel, Army, 2020/2020 (2010A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Pay and Allowances of Officers</b>		<b>14,178,849</b>				<b>-100,000</b>		<b>14,078,849</b>
FY 2020 Appropriated Base		13,454,724						13,454,724
Undistributed Adjustments						-100,000		-100,000
FY 2020 OCO (Title IX)		724,125						724,125
<b>Subtotal Budget Activity 01: Pay and Allowances of Officers</b>		<b>14,178,849</b>				<b>-100,000</b>		<b>14,078,849</b>
<b>Budget Activity 02: Pay and Allowances of Enlisted</b>		<b>27,557,246</b>				<b>-375,000</b>		<b>27,182,246</b>
FY 2020 Appropriated Base		25,984,267						25,984,267
Undistributed Adjustments						-375,000		-375,000
FY 2020 OCO (Title IX)		1,572,979						1,572,979
<b>Subtotal Budget Activity 02: Pay and Allowances of Enlisted</b>		<b>27,557,246</b>				<b>-375,000</b>		<b>27,182,246</b>
<b>Budget Activity 03: Pay And Allowances Of Cadets</b>		<b>90,098</b>						<b>90,098</b>
FY 2020 Appropriated Base		90,098						90,098
<b>Subtotal Budget Activity 03: Pay And Allowances Of Cadets</b>		<b>90,098</b>						<b>90,098</b>
<b>Budget Activity 04: Subsistence of Enlisted Personnel</b>		<b>2,291,845</b>				<b>-20,000</b>		<b>2,271,845</b>
FY 2020 Appropriated Base		1,889,575						1,889,575
Undistributed Adjustments						-20,000		-20,000
FY 2020 OCO (Title IX)		402,270						402,270
<b>Subtotal Budget Activity 04: Subsistence of Enlisted Personnel</b>		<b>2,291,845</b>				<b>-20,000</b>		<b>2,271,845</b>
<b>Budget Activity 05: Permanent Change of Station Travel</b>		<b>1,668,875</b>				<b>-83,000</b>		<b>1,585,875</b>
FY 2020 Appropriated Base		1,663,472						1,663,472
Undistributed Adjustments						-83,000		-83,000
FY 2020 OCO (Title IX)		5,403						5,403
<b>Subtotal Budget Activity 05: Permanent Change of Station Travel</b>		<b>1,668,875</b>				<b>-83,000</b>		<b>1,585,875</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Military Personnel, Army, 2020/2020 (2010A)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 06: Other Military Personnel Costs		303,691				-22,500		281,191
FY 2020 Appropriated Base		265,336						265,336
1 / Program increase for Junior ROTC						500		500
Undistributed Adjustments						-23,000		-23,000
FY 2020 OCO (Title IX)		38,355						38,355
Subtotal Budget Activity 06: Other Military Personnel Costs		303,691				-22,500		281,191
Grand Total Military Personnel, Army, 2020/2020		46,090,604				-600,500		45,490,104
Financing								
APPROPRIATION, P.L. 116-93 (Base)		43,347,472				-600,500		42,746,972
APPROPRIATION, P.L. 116-93 (OCO)		2,743,132						2,743,132
TOTAL FINANCING - FY 2020 PROGRAM		46,090,604				-600,500		45,490,104
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Reserve Personnel, Army, 2020/2020 (2070A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>4,999,483</b>				<b>-42,584</b>		<b>4,956,899</b>
<b>FY 2020 Appropriated Base</b>		<b>4,964,671</b>						<b>4,964,671</b>
Historical unobligated balances						-39,310		-39,310
Rate adjustments						-3,274		-3,274
<b>FY 2020 OCO (Title IX)</b>		<b>34,812</b>						<b>34,812</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>4,999,483</b>				<b>-42,584</b>		<b>4,956,899</b>
<b>Grand Total Reserve Personnel, Army, 2020/2020</b>		<b>4,999,483</b>				<b>-42,584</b>		<b>4,956,899</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		4,964,671				-42,584		4,922,087
APPROPRIATION, P.L. 116-93 (OCO)		34,812						34,812
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>4,999,483</b>				<b>-42,584</b>		<b>4,956,899</b>
Footnotes:								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>National Guard Personnel, Army, 2020/2020 (2060A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>9,010,949</b>				<b>-103,985</b>		<b>8,906,964</b>
<b>FY 2020 Appropriated Base</b>		<b>8,808,305</b>						<b>8,808,305</b>
1 / Program increase - Cyber Mission Assurance Teams						2,000		2,000
1 / Program increase - Northern Strike						10,000		10,000
1 / Program increase - Preventative Mental Health Program						500		500
1 / Program increase - State Partnership Program						1,620		1,620
1 / Program increase - Wildfire Training						5,000		5,000
1 / Program increase - Critical Cybersecurity Skillsets						1,000		1,000
1 / Trauma Training						1,200		1,200
Historical unobligated balances						-112,105		-112,105
Rate adjustments						-13,200		-13,200
<b>FY 2020 OCO (Title IX)</b>		<b>202,644</b>						<b>202,644</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>9,010,949</b>				<b>-103,985</b>		<b>8,906,964</b>
<b>Grand Total National Guard Personnel, Army, 2020/2020</b>		<b>9,010,949</b>				<b>-103,985</b>		<b>8,906,964</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		8,808,305				-103,985		8,704,320
APPROPRIATION, P.L. 116-93 (OCO)		202,644						202,644
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>9,010,949</b>				<b>-103,985</b>		<b>8,906,964</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Operation and Maintenance, Army , 2020/2020 (2020A)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>42,285,041</b>				<b>-935,277</b>		<b>41,349,764</b>
<b>FY 2020 Appropriated Base</b>		<b>7,179,205</b>						<b>7,179,205</b>
1 / Coordination between Active and Reserve Components						2,000		2,000
1 / Improved Outer Tactical Vests for Female Soldiers						5,000		5,000
1 / Program increase - Advanced Manufacturing COE sustainment						4,000		4,000
1 / Program increase - PFAS remediation						5,000		5,000
1 / Program increase - Public Law 115-68 Implementation at Combatant Commands						1,000		1,000
1 / Program increase - SOUTHCOM Multi-Mission support vessel						18,000		18,000
1 / Program increase - childcare programs						50,000		50,000
1 / Program increase - enhanced lightweight hard armor						25,000		25,000
1 / Restore Blue Force Shield decrease						5,500		5,500
1 / Training for Gaps in Emerging Technologies						3,000		3,000
2 / Excess FTE request						-22,580		-22,580
2 / Restoring acquisition accountability - synthetic training environment						-10,000		-10,000
Excess growth						-50,000		-50,000
Foreign Currency (Section 8133)						-47,962		-47,962
Historical unobligation						-68,913		-68,913
Overestimation of Civilian FTE Targets						-50,722		-50,722
Program decrease - remove one-time fiscal year 2019 cost						-6,000		-6,000
Program decrease unaccounted for						-46,500		-46,500
Program underexecution						-100,000		-100,000
Reduce duplication						-8,000		-8,000
Transfer from title IX						17,714,611		17,714,611
Transfer to Title IX - personnel recovery and casualty evacuation support						-17,000		-17,000
Unjustified growth						-450,700		-450,700
4 / ARMY (O&M)								
<b>FY 2020 OCO (Title IX)</b>		<b>35,105,836</b>						<b>35,105,836</b>
Insufficient justification						-32,400		-32,400
Program decrease not accounted for						-55,000		-55,000
Transfer from title II - personnel recovery and casualty evacuation support						17,000		17,000
Transfer to OCO								
Transfer to Title II						-8,931,260		-8,931,260
Transfer to title II						-8,783,351		-8,783,351
Unjustified growth						-105,000		-105,000
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>42,285,041</b>				<b>-935,277</b>		<b>41,349,764</b>

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Operation and Maintenance, Army , 2020/2020 (2020A)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Mobilization</b>		<b>880,110</b>				<b>10,256</b>		<b>890,366</b>
<b>FY 2020 Appropriated Base</b>		<b>748,156</b>						<b>748,156</b>
1 / Program increase - upgrades prepositioned hospital centers in EUCOM						10,139		10,139
1 / Program increase - upgrades to prepositioned hospital centers in EUCOM						3,546		3,546
Foreign Currency (Section 8133)						-608		-608
Historical unobligation						-1,743		-1,743
Overestimation of Civilian FTE Targets						-1,078		-1,078
<b>FY 2020 OCO (Title IX)</b>		<b>131,954</b>						<b>131,954</b>
<b>Subtotal Budget Activity 02: Mobilization</b>		<b>880,110</b>				<b>10,256</b>		<b>890,366</b>
<b>Budget Activity 03: Training and Recruiting</b>		<b>5,227,254</b>				<b>-46,401</b>		<b>5,180,853</b>
<b>FY 2020 Appropriated Base</b>		<b>5,227,254</b>						<b>5,227,254</b>
1 / Program increase						3,000		3,000
1 / Program increase - ROTC helicopter training program						1,500		1,500
2 / Excess travel request						-4,000		-4,000
2 / Unjustified growth for accessioning information environment						-5,347		-5,347
Excess growth						-13,665		-13,665
Foreign Currency (Section 8133)						-29		-29
Historical unobligation						-11,646		-11,646
Overestimation of Civilian FTE Targets						-6,214		-6,214
Unjustified growth						-10,000		-10,000
4 / ARMY (O&M)								
5 / Army (O&M)								
<b>Subtotal Budget Activity 03: Training and Recruiting</b>		<b>5,227,254</b>				<b>-46,401</b>		<b>5,180,853</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Army , 2020/2020 (2020A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>12,393,017</b>				<b>-318,982</b>		<b>12,074,035</b>
<b>FY 2020 Appropriated Base</b>		<b>9,643,258</b>						<b>9,643,258</b>
1 / Program increase - Advanced Manufacturing COE technology						1,000		1,000
1 / Program increase - Capitol Fourth						1,500		1,500
1 / Program increase - SOUTHCOM ISR operations and technical network analysis center						10,330		10,330
1 / Program increase - SOUTHCOM SAR						10,000		10,000
2 / Classified adjustment						-39		-39
2 / Excess personnel						-2,000		-2,000
2 / Unjustified growth in Headquarters and Administrative Activities						-5,085		-5,085
Foreign Currency (Section 8133)						-7,401		-7,401
Historical unobligation						-17,698		-17,698
Overestimation of Civilian FTE Targets						-48,986		-48,986
Program decrease unaccounted for						-50,000		-50,000
Section 8066 - Transfer to X-year						-138,103		-138,103
Unjustified growth						-67,000		-67,000
<b>FY 2020 OCO (Title IX)</b>		<b>2,749,759</b>						<b>2,749,759</b>
Insufficient justification						-5,500		-5,500
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>12,393,017</b>				<b>-318,982</b>		<b>12,074,035</b>
<b>Grand Total Operation and Maintenance, Army , 2020/2020</b>		<b>60,785,422</b>				<b>-1,290,404</b>		<b>59,495,018</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		22,797,873				16,661,107		39,458,980
APPROPRIATION, P.L. 116-93 (OCO)		37,987,549				-17,895,511		20,092,038
Favorable Exchange Rates						-56,000		
<b>Subtotal General Provision Reductions</b>								<b>-56,000</b>
<b>Subtotal General Provisions</b>								<b>-56,000</b>
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>60,785,422</b>				<b>-1,290,404</b>		<b>59,495,018</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
4 / The following line items have been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of these lines for Title II and Title IX (OCO) funds: Maneuver Units; Modular Support Brigades; Land Forces Operations Support; Aviation assets; Force Readiness Operations Support; Land Forces Depot Maintenance; Base Operations Support; Facilities Sustainment, Restoration, and Modernization; and Specialized Skill Training.								
5 / The line item Recruiting and Advertising has been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million into this line item for Title II and Title IX (OCO)funds.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Army, 2020/XXXX (2020AX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>						<b>138,103</b>		<b>138,103</b>
<b>FY 2020 Appropriated Base</b>								
Section 8066 - Transfer from 2020A 2020/2020						138,103		138,103
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>						<b>138,103</b>		<b>138,103</b>
<b>Grand Total Operation and Maintenance, Army, 2020/XXXX</b>						<b>138,103</b>		<b>138,103</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						138,103		138,103
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>						<b>138,103</b>		<b>138,103</b>
Footnotes:								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Army Reserve , 2020/2020 (2080A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>2,955,964</b>				<b>-44,519</b>		<b>2,911,445</b>
<b>FY 2020 Appropriated Base</b>		<b>969,365</b>						<b>969,365</b>
1 / Coordination between Active and Reserve Components						2,000		2,000
2 / Excess civilian increase						-400		-400
2 / Excess travel increase						-1,000		-1,000
Historical unobligation						-10,000		-10,000
Insufficient justification						-10,216		-10,216
Overestimation of Civilian FTE Targets						-9,903		-9,903
Program decrease unaccounted for						-6,500		-6,500
Transfer from title IX						1,949,007		1,949,007
Unjustified growth						-8,500		-8,500
<b>FY 2020 OCO (Title IX)</b>		<b>1,986,599</b>						<b>1,986,599</b>
Transfer to title II						-1,949,007		-1,949,007
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>2,955,964</b>				<b>-44,519</b>		<b>2,911,445</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>110,738</b>				<b>-97</b>		<b>110,641</b>
<b>FY 2020 Appropriated Base</b>		<b>110,738</b>						<b>110,738</b>
Overestimation of Civilian FTE Targets						-97		-97
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>110,738</b>				<b>-97</b>		<b>110,641</b>
<b>Grand Total Operation and Maintenance, Army Reserve , 2020/2020</b>		<b>3,066,702</b>				<b>-44,616</b>		<b>3,022,086</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		1,080,103				1,904,391		2,984,494
APPROPRIATION, P.L. 116-93 (OCO)		1,986,599				-1,949,007		37,592
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>3,066,702</b>				<b>-44,616</b>		<b>3,022,086</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Army National Guard, 2020/2020 (2065A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>7,301,638</b>				<b>-114,694</b>		<b>7,186,944</b>
<b>FY 2020 Appropriated Base</b>		<b>2,924,902</b>						<b>2,924,902</b>
1 / Coordination between Active and Reserve Components						2,000		2,000
1 / Program increase - Advanced trauma training program						900		900
1 / Program increase - PFAS remediation						9,500		9,500
1 / Program increase - corrosion control						1,000		1,000
1 / Program increase - preventative mental health						3,000		3,000
1 / Program increase - wildfire training						1,000		1,000
Excess growth						-13,400		-13,400
Historical Unobligation						-26,167		-26,167
Insufficient justification						-83,500		-83,500
Overestimation of Civilian FTE Targets						-9,727		-9,727
Program decrease unaccounted for						-45,000		-45,000
Transfer to title IX						4,293,648		4,293,648
<b>FY 2020 OCO (Title IX)</b>		<b>4,376,736</b>						<b>4,376,736</b>
Transfer to title II						-4,293,648		-4,293,648
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						45,700		45,700
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>7,301,638</b>				<b>-114,694</b>		<b>7,186,944</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>411,056</b>				<b>-7,062</b>		<b>403,994</b>
<b>FY 2020 Appropriated Base</b>		<b>410,853</b>						<b>410,853</b>
1 / Program Increase - State Partnership Program						1,044		1,044
Historical Unobligation						-1,833		-1,833
Overestimation of Civilian FTE Targets						-273		-273
Program decrease unaccounted for						-6,000		-6,000
4 / Army National Guard (O&M)								
<b>FY 2020 OCO (Title IX)</b>		<b>203</b>						<b>203</b>
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>411,056</b>				<b>-7,062</b>		<b>403,994</b>
<b>Grand Total Operation and Maintenance, Army National Guard, 2020/2020</b>		<b>7,712,694</b>				<b>-121,756</b>		<b>7,590,938</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		3,335,755				4,126,192		7,461,947
APPROPRIATION, P.L. 116-93 (OCO)		4,376,939				-4,293,648		83,291
APPROPRIATION, P.L. 116-93 (Title X)						45,700		45,700
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>7,712,694</b>				<b>-121,756</b>		<b>7,590,938</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
4 / The line item Other Personnel Support has been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million into this line item for Title II and Title IX (OCO) funds.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Environmental Restoration, Army, 2020/XXXX (0810AX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Department Of The Army</b>		<b>207,518</b>				<b>44,182</b>		<b>251,700</b>
<b>FY 2020 Appropriated Base</b>		<b>207,518</b>						<b>207,518</b>
1 / Program increase associated with remediating contamination caused by perfluorinated chemicals						1,700		1,700
1 / Program increase						42,482		42,482
<b>Subtotal Budget Activity 01: Department Of The Army</b>		<b>207,518</b>				<b>44,182</b>		<b>251,700</b>
<b>Grand Total Environmental Restoration, Army, 2020/XXXX</b>		<b>207,518</b>				<b>44,182</b>		<b>251,700</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		207,518				44,182		251,700
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>207,518</b>				<b>44,182</b>		<b>251,700</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Afghanistan Security Forces Fund, 2020/2021 (2091A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 06: Afghan National Army		1,589,658						1,589,658
FY 2020 OCO (Title IX)		1,589,658						1,589,658
Subtotal Budget Activity 06: Afghan National Army		1,589,658						1,589,658
Budget Activity 07: Afghan National Police		660,357						660,357
FY 2020 OCO (Title IX)		660,357						660,357
Subtotal Budget Activity 07: Afghan National Police		660,357						660,357
Budget Activity 08: Afghan Air Force		1,825,515				-604,000		1,221,515
FY 2020 OCO (Title IX)		1,825,515						1,825,515
Undistributed reduction						-604,000		-604,000
Subtotal Budget Activity 08: Afghan Air Force		1,825,515				-604,000		1,221,515
Budget Activity 09: Afghan Special Security Forces		728,448						728,448
FY 2020 OCO (Title IX)		728,448						728,448
Subtotal Budget Activity 09: Afghan Special Security Forces		728,448						728,448
Grand Total Afghanistan Security Forces Fund, 2020/2021		4,803,978				-604,000		4,199,978
<i>Financing</i>								
APPROPRIATION, P.L. 116-93 (OCO)		4,803,978				-604,000		4,199,978
TOTAL FINANCING - FY 2020 PROGRAM		4,803,978				-604,000		4,199,978
Footnotes:								
For Afghanistan Security Forces Fund, the Below Threshold Reprogramming limitation is \$20 million.								



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Counter-Islamic State of Iraq and the Levant Train and Equip Fund, 2020/2021 (2099A)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 01: Counter ISIS Train and Equip Fund (CTEF)		1,045,000				150,000		1,195,000
FY 2020 OCO (Title IX)		1,045,000						1,045,000
Program decrease						-100,000		-100,000
Transfer from Defense Security Cooperation Agency Forces Fund						250,000		250,000
Subtotal Budget Activity 01: Counter ISIS Train and Equip Fund (CTEF)		1,045,000				150,000		1,195,000
Grand Total Counter-Islamic State of Iraq and the Levant Train and Equip Fund, 2020/2021		1,045,000				150,000		1,195,000
Financing								
APPROPRIATION, P.L. 116-93 (OCO)		1,045,000				150,000		1,195,000
TOTAL FINANCING - FY 2020 PROGRAM		1,045,000				150,000		1,195,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Aircraft Procurement, Army, 2020/2022 (2031A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Aircraft</b>								
<b>01 Utility F/W Aircraft</b>	<b>1</b>	<b>16,000</b>			<b>-1</b>	<b>-16,000</b>		
FY 2020 Appropriated Base	1	16,000					1	16,000
2 / Insufficient budget justification					-1	-16,000	-1	-16,000
<b>01 MQ-1 UAV</b>	<b>6</b>	<b>54,000</b>			<b>3</b>	<b>90,000</b>	<b>9</b>	<b>144,000</b>
FY 2020 OCO (Title IX)	6	54,000					6	54,000
1 / Program increase - additional aircraft					3	90,000	3	90,000
<b>01 RQ-11 (RAVEN)</b>		<b>23,510</b>				<b>-2,090</b>		<b>21,420</b>
FY 2020 Appropriated Base		23,510						23,510
2 / Unit cost growth						-2,090		-2,090
<b>01 Tactical Unmanned Aircraft System (TUAS)</b>		<b>12,100</b>						<b>12,100</b>
FY 2020 Appropriated Base		12,100						12,100
<b>01 Helicopter, Light Utility (LUH)</b>					<b>3</b>	<b>37,000</b>	<b>3</b>	<b>37,000</b>
FY 2020 Appropriated Base								
1 / Program increase - three aircraft					3	27,000	3	27,000
1 / Program increase - expandable rotorcraft diagnostics						10,000		10,000
<b>01 AH-64 Apache Block IIIA Reman</b>	<b>48</b>	<b>806,849</b>			<b>1</b>	<b>12,381</b>	<b>49</b>	<b>819,230</b>
FY 2020 Appropriated Base	48	806,849					48	806,849
1 / Program increase - battle loss					1	20,445	1	20,445
2 / Unit cost growth						-8,064		-8,064
<b>01 AH-64 Apache Block IIIA Reman Advance Procurement (CY)</b>		<b>190,870</b>						<b>190,870</b>
FY 2020 Appropriated Base		190,870						190,870
<b>01 UH-60 Blackhawk M Model (MYP)</b>	<b>73</b>	<b>1,411,540</b>			<b>1</b>	<b>7,064</b>	<b>74</b>	<b>1,418,604</b>
FY 2020 Appropriated Base	73	1,411,540					73	1,411,540
1 / Program increase - training loss for National Guard					1	20,864	1	20,864
2 / Unit cost growth						-13,800		-13,800
<b>01 UH-60 Blackhawk M Model (MYP) Advance Procurement (CY)</b>		<b>79,572</b>						<b>79,572</b>
FY 2020 Appropriated Base		79,572						79,572
<b>01 UH-60 Black Hawk L and V Models</b>	<b>25</b>	<b>169,290</b>					<b>25</b>	<b>169,290</b>
FY 2020 Appropriated Base	25	169,290					25	169,290
<b>01 CH-47 Helicopter</b>	<b>8</b>	<b>165,290</b>			<b>1</b>	<b>-9,339</b>	<b>9</b>	<b>155,951</b>
FY 2020 Appropriated Base	8	140,290					8	140,290
2 / Unit cost growth						-9,339		-9,339
FY 2020 OCO (Title IX)		25,000						25,000
1 / Quantity adjusted to reflect OCO appropriation.					1		1	
<b>01 CH-47 Helicopter Advance Procurement (CY)</b>		<b>18,186</b>				<b>28,000</b>		<b>46,186</b>
FY 2020 Appropriated Base		18,186						18,186
1 / Program increase						28,000		28,000
<b>Subtotal Budget Activity 01: Aircraft</b>		<b>2,947,207</b>				<b>147,016</b>		<b>3,094,223</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Aircraft Procurement, Army, 2020/2022 (2031A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Modification of Aircraft</b>								
02 Universal Ground Control Equipment (UAS)		2,090						2,090
FY 2020 Appropriated Base		2,090						2,090
02 Gray Eagle Mods2		14,699						14,699
FY 2020 Appropriated Base		14,699						14,699
02 Multi Sensor ABN Recon (MIP)		115,449						115,449
FY 2020 Appropriated Base		35,189						35,189
FY 2020 OCO (Title IX)		80,260						80,260
02 AH-64 Mods		58,172						58,172
FY 2020 Appropriated Base		58,172						58,172
02 CH-47 Cargo Helicopter Mods (MYP)		11,785						11,785
FY 2020 Appropriated Base		11,785						11,785
02 GRCS SEMA Mods (MIP)		6,427						6,427
FY 2020 Appropriated Base		5,677						5,677
FY 2020 OCO (Title IX)		750						750
02 ARL SEMA Mods (MIP)		6,566						6,566
FY 2020 Appropriated Base		6,566						6,566
02 EMARSS SEMA Mods (MIP)		26,039				17,100		43,139
FY 2020 Appropriated Base		3,859						3,859
1 / Program increase - performance enhancements						17,100		17,100
FY 2020 OCO (Title IX)		22,180						22,180
02 Utility/Cargo Airplane Mods		23,838				-2,000		21,838
FY 2020 Appropriated Base		15,476						15,476
2 / Unit cost discrepancy						-2,000		-2,000
FY 2020 OCO (Title IX)		8,362						8,362
02 Utility Helicopter Mods		6,744				10,000		16,744
FY 2020 Appropriated Base		6,744						6,744
1 / Program increase - enhanced ballistic armor protection system						10,000		10,000
02 Network and Mission Plan		105,452				-7,216		98,236
FY 2020 Appropriated Base		105,442						105,442
2 / Integration cost increase						-6,216		-6,216
2 / Program management cost growth						-1,000		-1,000
FY 2020 OCO (Title IX)		10						10
02 Comms, Nav Surveillance		164,315						164,315
FY 2020 Appropriated Base		164,315						164,315
02 Degraded Visual Environment		49,450						49,450
FY 2020 OCO (Title IX)		49,450						49,450
02 GATM Rollup		30,966						30,966
FY 2020 Appropriated Base		30,966						30,966
02 RQ-7 UAV MODS		8,983				60,000		68,983
FY 2020 Appropriated Base		8,983						8,983
FY 2020 OCO (Title IX)								
1 / Program increase						60,000		60,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Aircraft Procurement, Army, 2020/2022 (2031A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 UAS MODS		10,205						10,205
FY 2020 Appropriated Base		10,205						10,205
Subtotal Budget Activity 02: Modification of Aircraft		641,180				77,884		719,064
Budget Activity 04: Support Equipment and Facilities								
04 Aircraft Survivability Equipment		52,297						52,297
FY 2020 Appropriated Base		52,297						52,297
04 Survivability CM		8,388						8,388
FY 2020 Appropriated Base		8,388						8,388
04 CMWS		144,218						144,218
FY 2020 Appropriated Base		13,999						13,999
FY 2020 OCO (Title IX)		130,219						130,219
04 Common Infrared Countermeasures (CIRCM)		178,094						178,094
FY 2020 Appropriated Base		168,784						168,784
FY 2020 OCO (Title IX)		9,310						9,310
04 Avionics Support Equipment		1,777						1,777
FY 2020 Appropriated Base		1,777						1,777
04 Common Ground Equipment		18,624						18,624
FY 2020 Appropriated Base		18,624						18,624
04 Aircrew Integrated Systems		48,255						48,255
FY 2020 Appropriated Base		48,255						48,255
04 Air Traffic Control		32,738						32,738
FY 2020 Appropriated Base		32,738						32,738
04 Launcher, 2.75 Rocket		2,201						2,201
FY 2020 Appropriated Base		2,201						2,201
04 Launcher Guided Missile: Longbow Hellfire XM2	21	2,991			6		27	2,991
FY 2020 Appropriated Base	9	991					9	991
FY 2020 OCO (Title IX)	12	2,000					12	2,000
1 / Quantity adjusted to reflect OCO appropriation.					6		6	
Subtotal Budget Activity 04: Support Equipment and Facilities		489,583						489,583
Grand Total Aircraft Procurement, Army, 2020/2022		4,077,970				224,900		4,302,870
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		3,696,429				74,900		3,771,329
APPROPRIATION, P.L. 116-93 (OCO)		381,541				150,000		531,541
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>4,077,970</b>				<b>224,900</b>		<b>4,302,870</b>
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Missile Procurement, Army, 2020/2022 (2032A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Other Missiles</b>								
<b>02 7153C50016A</b>								
System Integration and Test Procurement (1)		113,857				-6,700		107,157
FY 2020 Appropriated Base								
2 / Field Surveillance Program carryover						-6,700		-6,700
Transfer from title IX						113,857		113,857
FY 2020 OCO (Title IX)		113,857						113,857
Transfer to title III						-113,857		-113,857
<b>02 8082C14300A</b>	<b>44</b>	<b>262,100</b>			<b>-12</b>	<b>-28,800</b>	<b>32</b>	<b>233,300</b>
M-SHORAD - Procurement (2)								
FY 2020 Appropriated Base								
2 / Pricing adjustments						-28,800		-28,800
Transfer from title IX					10	103,800	10	103,800
FY 2020 OCO (Title IX)	<b>44</b>	<b>262,100</b>					<b>44</b>	<b>262,100</b>
Transfer from Title IX.								
Transfer to title III					-22	-103,800	-22	-103,800
<b>02 8260C53101A</b>	<b>147</b>	<b>736,541</b>				<b>-34,104</b>	<b>147</b>	<b>702,437</b>
MSE Missile (3)								
FY 2020 Appropriated Base								
2 / AUR unit cost growth						-34,104		-34,104
Transfer from title IX						698,603		698,603
FY 2020 OCO (Title IX)	<b>147</b>	<b>736,541</b>					<b>147</b>	<b>736,541</b>
Transfer to title III						-698,603		-698,603
<b>02 8930C61001A</b>		<b>9,337</b>						<b>9,337</b>
INDIRECT FIRE PROTECTION CAPABILITY INC 2-I (4)								
FY 2020 Appropriated Base								
Transfer from title IX						9,337		9,337
FY 2020 OCO (Title IX)		9,337						9,337
Transfer to title III						-9,337		-9,337
<b>02 1338C70000A</b>	<b>5,112</b>	<b>429,549</b>			<b>-210</b>	<b>-4,000</b>	<b>4,902</b>	<b>425,549</b>
Hellfire Sys Summary (6)								
FY 2020 Appropriated Base								
2 / Excess engineering and program management costs						-4,000		-4,000
Transfer from title IX					1,660	193,284	1,660	193,284
FY 2020 OCO (Title IX)	<b>5,112</b>	<b>429,549</b>					<b>5,112</b>	<b>429,549</b>
Transfer to title III					-1,870	-193,284	-1,870	-193,284
<b>02 2605C70302A</b>	<b>609</b>	<b>233,353</b>			<b>-115</b>	<b>-34,058</b>	<b>494</b>	<b>199,295</b>
Joint Air-To-Ground MsIs (JAGM) (7)								
FY 2020 Appropriated Base								
2 / Contract delays					-115	-34,058	-115	-34,058
Transfer from title IX					609	233,353	609	233,353
FY 2020 OCO (Title IX)	<b>609</b>	<b>233,353</b>					<b>609</b>	<b>233,353</b>
Transfer to title III					-609		-609	
Transfer to title III						-233,353		-233,353
<b>02 0648CC0007A</b>	<b>697</b>	<b>142,794</b>					<b>697</b>	<b>142,794</b>
Javelin (Aaws-M) System Summary (8)								
FY 2020 Appropriated Base								
Transfer from title IX						138,405		138,405
FY 2020 OCO (Title IX)	<b>697</b>	<b>142,794</b>					<b>697</b>	<b>142,794</b>
Transfer to title III						-138,405		-138,405

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Missile Procurement, Army, 2020/2022 (2032A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 2104C59300A Tow 2 System Summary (9)</b>	<b>1,460</b>	<b>114,340</b>				<b>-6,382</b>	<b>1,460</b>	<b>107,958</b>
<b>FY 2020 Appropriated Base</b>								
2 / Unjustified engineering growth						-6,382		-6,382
Transfer from title IX						114,340		114,340
<b>FY 2020 OCO (Title IX)</b>	<b>1,460</b>	<b>114,340</b>					<b>1,460</b>	<b>114,340</b>
Transfer to title III						-114,340		-114,340
<b>02 2104C59300C Tow 2 System Summary Advance Procurement (CY) (10)</b>		<b>10,500</b>						<b>10,500</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						10,500		10,500
<b>FY 2020 OCO (Title IX)</b>		<b>10,500</b>						<b>10,500</b>
Transfer to title III						-10,500		-10,500
<b>02 6005C64400A Guided MLRS Rocket (GMLRS) (11)</b>	<b>9,853</b>	<b>1,228,809</b>			<b>-1,642</b>	<b>-52,403</b>	<b>8,211</b>	<b>1,176,406</b>
<b>FY 2020 Appropriated Base</b>								
2 / AUR unit cost growth					-1,642	-52,403	-1,642	-52,403
Transfer from title IX					6,489	797,213	6,489	797,213
<b>FY 2020 OCO (Title IX)</b>	<b>9,853</b>	<b>1,228,809</b>					<b>9,853</b>	<b>1,228,809</b>
Transfer to Title III					-6,489		-6,489	
Transfer to title III						-797,213		-797,213
<b>02 6060C65405A MLRS Reduced Range Practice Rockets (RRPR) (12)</b>	<b>2,982</b>	<b>27,555</b>					<b>2,982</b>	<b>27,555</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						27,555		27,555
<b>FY 2020 OCO (Title IX)</b>	<b>2,982</b>	<b>27,555</b>					<b>2,982</b>	<b>27,555</b>
Transfer to title III						-27,555		-27,555
<b>02 6472C98510A Army Tactical Msl Sys (ATACMS) - Sys Sum (14)</b>	<b>240</b>	<b>340,612</b>			<b>-8</b>	<b>-39,829</b>	<b>232</b>	<b>300,783</b>
<b>FY 2020 Appropriated Base</b>								
2 / Cost discrepancies between budget briefs and justification materials					-8	-39,829	-8	-39,829
Transfer from title IX					146	209,842	146	209,842
<b>FY 2020 OCO (Title IX)</b>	<b>240</b>	<b>340,612</b>					<b>240</b>	<b>340,612</b>
Transfer to title III					-146	-209,842	-146	-209,842
<b>02 6870C88001A LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) (15)</b>	<b>1,835</b>	<b>83,300</b>			<b>-705</b>		<b>1,130</b>	<b>83,300</b>
<b>FY 2020 OCO (Title IX)</b>	<b>1,835</b>	<b>83,300</b>					<b>1,835</b>	<b>83,300</b>
Quantity adjustment based on revised unit pricing					-705		-705	
<b>Subtotal Budget Activity 02: Other Missiles</b>		<b>3,732,647</b>				<b>-206,276</b>		<b>3,526,371</b>

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Missile Procurement, Army, 2020/2022 (2032A)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Modification of Missiles</b>								
<b>03 0962C50700A Patriot Mods (16)</b>		<b>279,464</b>				<b>-748</b>		<b>278,716</b>
FY 2020 Appropriated Base								
2 / RAM mod unit cost growth						-748		-748
Transfer from title IX						279,464		279,464
FY 2020 OCO (Title IX)		<b>279,464</b>						<b>279,464</b>
Transfer to title III						-279,464		-279,464
<b>03 1823CA6700A ATACMS MODS (17)</b>		<b>85,320</b>				<b>-5,000</b>		<b>80,320</b>
FY 2020 Appropriated Base								
2 / Program management excess growth						-5,000		-5,000
Transfer from title IX						85,320		85,320
FY 2020 OCO (Title IX)		<b>85,320</b>						<b>85,320</b>
Transfer to title III						-85,320		-85,320
<b>03 1824C57701A GMLRS MOD (18)</b>		<b>5,094</b>						<b>5,094</b>
FY 2020 Appropriated Base								
Transfer from title IX						5,094		5,094
FY 2020 OCO (Title IX)		<b>5,094</b>						<b>5,094</b>
Transfer to title III						-5,094		-5,094
<b>03 2684C20000A Stinger Mods (19)</b>		<b>89,115</b>						<b>89,115</b>
FY 2020 Appropriated Base								
Transfer from title IX						81,615		81,615
FY 2020 OCO (Title IX)		<b>89,115</b>						<b>89,115</b>
Transfer to title III						-81,615		-81,615
<b>03 2690CE8710A Avenger Mods (20)</b>		<b>14,107</b>						<b>14,107</b>
FY 2020 Appropriated Base								
Transfer from title IX						14,107		14,107
FY 2020 OCO (Title IX)		<b>14,107</b>						<b>14,107</b>
Transfer to title III						-14,107		-14,107
<b>03 3972C61700A Itas/Tow Mods (21)</b>		<b>3,469</b>						<b>3,469</b>
FY 2020 Appropriated Base								
Transfer from title IX						3,469		3,469
FY 2020 OCO (Title IX)		<b>3,469</b>						<b>3,469</b>
Transfer to title III						-3,469		-3,469
<b>03 6552C67500A MLRS Mods (22)</b>		<b>387,019</b>				<b>-14,469</b>		<b>372,550</b>
FY 2020 Appropriated Base								
Transfer from title IX						39,019		39,019
FY 2020 OCO (Title IX)		<b>387,019</b>						<b>387,019</b>
2 / Unjustified spares growth						-14,469		-14,469
Transfer to title III						-39,019		-39,019

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Missile Procurement, Army, 2020/2022 (2032A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>03 6580C67501A Himars Modifications (23)</b>		<b>12,483</b>						<b>12,483</b>
FY 2020 Appropriated Base								
Transfer from title IX						12,483		12,483
FY 2020 OCO (Title IX)		<b>12,483</b>						<b>12,483</b>
Transfer to title III						-12,483		-12,483
<b>Subtotal Budget Activity 03: Modification of Missiles</b>		<b>876,071</b>				<b>-20,217</b>		<b>855,854</b>
<b>Budget Activity 04: Spares and Repair Parts</b>								
<b>04 1242CA0250A Spares and Repair Parts (24)</b>		<b>26,444</b>						<b>26,444</b>
FY 2020 Appropriated Base								
Transfer from title IX						26,444		26,444
FY 2020 OCO (Title IX)		<b>26,444</b>						<b>26,444</b>
Transfer to title III						-26,444		-26,444
<b>Subtotal Budget Activity 04: Spares and Repair Parts</b>		<b>26,444</b>						<b>26,444</b>
<b>Budget Activity 05: Support Equipment and Facilities</b>								
<b>05 1242C93000A Air Defense Targets (25)</b>		<b>10,593</b>						<b>10,593</b>
FY 2020 Appropriated Base								
Transfer from title IX						10,593		10,593
FY 2020 OCO (Title IX)		<b>10,593</b>						<b>10,593</b>
Transfer to title III						-10,593		-10,593
<b>Subtotal Budget Activity 05: Support Equipment and Facilities</b>		<b>10,593</b>						<b>10,593</b>
<b>Grand Total Missile Procurement, Army, 2020/2022</b>		<b>4,645,755</b>				<b>-226,493</b>		<b>4,419,262</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						2,995,673		2,995,673
APPROPRIATION, P.L. 116-93 (OCO)		4,645,755				-3,222,166		1,423,589
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>4,645,755</b>				<b>-226,493</b>		<b>4,419,262</b>
<b>Footnotes:</b>  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Procurement of Weapons and Tracked Combat Vehicles, Army , 2020/2022 (2033A)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Tracked Combat Vehicles</b>								
<b>01 Armored Multi Purpose Vehicle (AMPV)</b>	<b>131</b>	<b>485,678</b>				<b>-40,881</b>	<b>131</b>	<b>444,797</b>
FY 2020 Appropriated Base	65	264,040					65	264,040
2 / Revised vehicle pricing						-15,997		-15,997
2 / Vehicle carryover						-17,736		-17,736
FY 2020 OCO (Title IX)	66	221,638					66	221,638
2 / Revised vehicle pricing estimate						-7,148		-7,148
<b>01 Stryker (MOD)</b>		<b>148,487</b>				<b>249,200</b>		<b>397,687</b>
FY 2020 Appropriated Base		144,387						144,387
1 / Program increase- 30mm cannon upgrade						249,200		249,200
FY 2020 OCO (Title IX)		4,100						4,100
<b>01 Stryker Upgrade</b>	<b>152</b>	<b>550,000</b>				<b>-36,142</b>	<b>152</b>	<b>513,858</b>
FY 2020 Appropriated Base	152	550,000					152	550,000
2 / Overestimation of ASL requirements						-9,104		-9,104
2 / ICVV unit cost growth						-27,038		-27,038
<b>01 Bradley Program (MOD)</b>		<b>638,781</b>				<b>-223,041</b>		<b>415,740</b>
FY 2020 Appropriated Base		638,781						638,781
2 / Excess to need						-223,041		-223,041
<b>01 M109 FOV Modifications</b>		<b>25,756</b>						<b>25,756</b>
FY 2020 Appropriated Base		25,756						25,756
<b>01 Paladin Integrated Management (PIM)</b>	<b>53</b>	<b>553,425</b>					<b>53</b>	<b>553,425</b>
FY 2020 Appropriated Base	53	553,425					53	553,425
<b>01 Improved Recovery Vehicle (M88A2 Hercules)</b>	<b>16</b>	<b>80,146</b>					<b>16</b>	<b>80,146</b>
FY 2020 OCO (Title IX)	16	80,146					16	80,146
<b>01 Assault Bridge (Mod)</b>		<b>2,821</b>				<b>19,200</b>		<b>22,021</b>
FY 2020 Appropriated Base		2,821						2,821
1 / Program increase - Armored Vehicle Launched Bridge						19,200		19,200
<b>01 Assault Breacher Vehicle</b>	<b>6</b>	<b>31,697</b>					<b>6</b>	<b>31,697</b>
FY 2020 Appropriated Base	6	31,697					6	31,697
<b>01 M88 FOV MODS</b>		<b>4,500</b>						<b>4,500</b>
FY 2020 Appropriated Base		4,500						4,500
<b>01 Joint Assault Bridge</b>	<b>44</b>	<b>205,517</b>					<b>44</b>	<b>205,517</b>
FY 2020 Appropriated Base	44	205,517					44	205,517
<b>01 M1 Abrams Tank (MOD)</b>		<b>361,900</b>				<b>-8,608</b>		<b>353,292</b>
FY 2020 Appropriated Base		348,800						348,800
2 / Test support excess to need						-8,608		-8,608
FY 2020 OCO (Title IX)		13,100						13,100
<b>01 Abrams Upgrade Program</b>	<b>165</b>	<b>1,752,784</b>				<b>-6,777</b>	<b>165</b>	<b>1,746,007</b>
FY 2020 Appropriated Base	165	1,752,784					165	1,752,784
2 / Unit cost growth						-6,777		-6,777
<b>Subtotal Budget Activity 01: Tracked Combat Vehicles</b>		<b>4,841,492</b>				<b>-47,049</b>		<b>4,794,443</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Procurement of Weapons and Tracked Combat Vehicles, Army , 2020/2022 (2033A)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Weapons and Other Combat Vehicles</b>								
<b>02 M240 Medium Machine Gun (7.62MM)</b>		900				11,600		12,500
FY 2020 Appropriated Base								
1 / Program increase						11,600		11,600
FY 2020 OCO (Title IX)		900						900
<b>02 MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S</b>		21,820				-2,556		19,264
FY 2020 Appropriated Base		19,420						19,420
2 / Fire control unit cost growth						-880		-880
2 / Revised prior-year hardware costs						-1,676		-1,676
FY 2020 OCO (Title IX)		2,400						2,400
<b>02 GUN AUTOMATIC 30MM M230</b>		20,000				-20,000		
FY 2020 Appropriated Base		20,000						20,000
2 / Army-rescinded requirement						-20,000		-20,000
<b>02 Mortar Systems</b>		33,848				-822		33,026
FY 2020 Appropriated Base		14,907						14,907
2 / Unit cost growth						-822		-822
FY 2020 OCO (Title IX)		18,941						18,941
<b>02 XM320 Grenade Launcher Module (GLM)</b>		717						717
FY 2020 Appropriated Base		191						191
FY 2020 OCO (Title IX)		526						526
<b>02 Precision Sniper Rifle</b>		7,977				-2,230		5,747
FY 2020 Appropriated Base		7,977						7,977
2 / Unit cost discrepancy						-2,230		-2,230
<b>02 Compact Semi-Automatic Sniper System</b>		9,860						9,860
FY 2020 Appropriated Base		9,860						9,860
<b>02 Carbine</b>		31,514						31,514
FY 2020 Appropriated Base		30,331						30,331
FY 2020 OCO (Title IX)		1,183						1,183
<b>02 Small Arms - Fire Control</b>		8,060				-8,060		
FY 2020 Appropriated Base		8,060						8,060
2 / Early to need						-8,060		-8,060
<b>02 Common Remotely Operated Weapons Station</b>		28,189						28,189
FY 2020 Appropriated Base		24,007						24,007
FY 2020 OCO (Title IX)		4,182						4,182
<b>02 Handgun</b>		6,422						6,422
FY 2020 Appropriated Base		6,174						6,174
FY 2020 OCO (Title IX)		248						248
<b>02 MK-19 Grenade Machine Gun Mods</b>		3,737						3,737
FY 2020 Appropriated Base		3,737						3,737
<b>02 M777 Mods</b>		2,367						2,367
FY 2020 Appropriated Base		2,367						2,367
<b>02 M4 Carbine Mods</b>		17,595						17,595
FY 2020 Appropriated Base		17,595						17,595

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Weapons and Tracked Combat Vehicles, Army , 2020/2022 (2033A)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 M2 50 Cal Machine Gun Mods		6,090						6,090
FY 2020 OCO (Title IX)		6,090						6,090
02 M240 Medium Machine Gun Mods		8,000						8,000
FY 2020 Appropriated Base		8,000						8,000
02 Sniper Rifles Modifications		2,426						2,426
FY 2020 Appropriated Base		2,426						2,426
02 M119 Modifications		6,269				10,000		16,269
FY 2020 Appropriated Base		6,269						6,269
1 / Program increase - self-propelled 105mm howitzers						10,000		10,000
02 Mortar Modification		1,693						1,693
FY 2020 Appropriated Base		1,693						1,693
02 Modifications Less Than \$5.0m (WOCV-WTCV)		4,327						4,327
FY 2020 Appropriated Base		4,327						4,327
02 Items Less Than \$5.0m (WOCV-WTCV)		3,066						3,066
FY 2020 Appropriated Base		3,066						3,066
02 Production Base Support (WOCV-WTCV)		2,651						2,651
FY 2020 Appropriated Base		2,651						2,651
Subtotal Budget Activity 02: Weapons and Other Combat Vehicles		227,528				-12,068		215,460
Grand Total Procurement of Weapons and Tracked Combat Vehicles, Army , 2020/2022		5,069,020				-59,117		5,009,903
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		4,715,566				-51,969		4,663,597
APPROPRIATION, P.L. 116-93 (OCO)		353,454				-7,148		346,306
TOTAL FINANCING - FY 2020 PROGRAM		5,069,020				-59,117		5,009,903
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Army, 2020/2022 (2034A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Ammunition</b>								
<b>01 0132E00700A Ctg, 5.56mm, All Types (1)</b>		<b>69,516</b>				<b>-5,656</b>		<b>63,860</b>
FY 2020 Appropriated Base								
2 / Blanks unit cost growth						-2,227		-2,227
2 / M855A1 Clipped Bulk Pack unit cost growth						-3,429		-3,429
Transfer from title IX						68,949		68,949
FY 2020 OCO (Title IX)		<b>69,516</b>						<b>69,516</b>
Transfer to title III						-68,949		-68,949
<b>01 0612E02000A CTG, 7.62mm, All Types (2)</b>		<b>114,268</b>				<b>-2,225</b>		<b>112,043</b>
FY 2020 Appropriated Base								
2 / M82 and M80A unit cost growth						-2,225		-2,225
Transfer from title IX						114,228		114,228
FY 2020 OCO (Title IX)		<b>114,268</b>						<b>114,268</b>
2 / Transfer to title III						-114,228		-114,228
<b>01 1450EA3000A CTG, Handgun, All Types (3)</b>		<b>17,824</b>						<b>17,824</b>
FY 2020 Appropriated Base								
Transfer from title IX						17,807		17,807
FY 2020 OCO (Title IX)		<b>17,824</b>						<b>17,824</b>
Transfer to title III						-17,807		-17,807
<b>01 1722E08000A CTG, .50 Cal, All Types (4)</b>		<b>64,155</b>				<b>-1,106</b>		<b>63,049</b>
FY 2020 Appropriated Base								
2 / Blank, M1A1 w/MP Link unit cost growth						-1,106		-1,106
Transfer from title IX						63,966		63,966
FY 2020 OCO (Title IX)		<b>64,155</b>						<b>64,155</b>
Transfer to title III						-63,966		-63,966
<b>01 2382E08900A CTG, 20mm, All Types (5)</b>		<b>35,920</b>				<b>-8,488</b>		<b>27,432</b>
FY 2020 Appropriated Base								
2 / M33 and M1A1 unit cost growth						-8,488		-8,488
Transfer from title IX						35,920		35,920
FY 2020 OCO (Title IX)		<b>35,920</b>						<b>35,920</b>
2 / Transfer to title III						-35,920		-35,920
<b>01 2650E08200A CTG, 25mm, All Types (6)</b>		<b>8,990</b>						<b>8,990</b>
FY 2020 Appropriated Base								
Transfer from title IX						8,990		8,990
FY 2020 OCO (Title IX)		<b>8,990</b>						<b>8,990</b>
Transfer to title III						-8,990		-8,990
<b>01 2938ER8120A CTG, 30mm, All Types (7)</b>		<b>93,713</b>				<b>-3,476</b>		<b>90,237</b>
FY 2020 Appropriated Base								
2 / PABM acceptance testing previously funded						-1,134		-1,134
2 / TP-T, MK239 single unit cost growth						-2,342		-2,342
Transfer from title IX						68,813		68,813
FY 2020 OCO (Title IX)		<b>93,713</b>						<b>93,713</b>
Transfer to title III						-68,813		-68,813

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Army, 2020/2022 (2034A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 3222ER8001A CTG, 40mm, All Types (8)</b>		<b>103,952</b>						<b>103,952</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						103,952		103,952
Army requested realignment from M918E1 to M918/M385A1						-83,000		-83,000
Army requested realignment to M918/M385A1 from M918E1						83,000		83,000
<b>FY 2020 OCO (Title IX)</b>		<b>103,952</b>						<b>103,952</b>
Transfer to title III						-103,952		-103,952
<b>01 0050E89600A 60MM Mortar, All Types (9)</b>		<b>50,580</b>				<b>-1,000</b>		<b>49,580</b>
<b>FY 2020 Appropriated Base</b>								
2 / Unit cost discrepancies						-1,000		-1,000
Transfer from title IX						50,580		50,580
<b>FY 2020 OCO (Title IX)</b>		<b>50,580</b>						<b>50,580</b>
Transfer to title III						-50,580		-50,580
<b>01 3584E76000A 81MM Mortar, All Types (10)</b>		<b>59,373</b>				<b>2,500</b>		<b>61,873</b>
<b>FY 2020 Appropriated Base</b>								
1 / Program increase - M819						2,500		2,500
Transfer from title IX						59,373		59,373
<b>FY 2020 OCO (Title IX)</b>		<b>59,373</b>						<b>59,373</b>
Transfer to title III						-59,373		-59,373
<b>01 6780E25500A 120MM Mortar, All Types (11)</b>		<b>125,452</b>				<b>-2,342</b>		<b>123,110</b>
<b>FY 2020 Appropriated Base</b>								
2 / Unit cost growth						-2,342		-2,342
Transfer from title IX						125,452		125,452
<b>FY 2020 OCO (Title IX)</b>		<b>125,452</b>						<b>125,452</b>
Transfer to title III						-125,452		-125,452
<b>01 1120E22203A Cartridges, Tank, 105MM and 120MM, All Types (12)</b>		<b>171,284</b>				<b>-49,625</b>		<b>121,659</b>
<b>FY 2020 Appropriated Base</b>								
2 / HEMP-T XM1147 schedule delay						-5,002		-5,002
2 / APFDS-T M829A4 schedule delay						-44,623		-44,623
Transfer from title IX						171,284		171,284
<b>FY 2020 OCO (Title IX)</b>		<b>171,284</b>						<b>171,284</b>
Transfer to title III						-171,284		-171,284
<b>01 0530E15101A Artillery Cartridges, 75MM &amp; 105MM, All Types (13)</b>		<b>44,675</b>						<b>44,675</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						44,675		44,675
<b>FY 2020 OCO (Title IX)</b>		<b>44,675</b>						<b>44,675</b>
Transfer to title III						-44,675		-44,675

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Army, 2020/2022 (2034A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 3102E89500A</b>								
<b>Artillery Projectile, 155MM, All Types (14)</b>		<b>266,037</b>				<b>-10,000</b>		<b>256,037</b>
<b>FY 2020 Appropriated Base</b>								
2 / XM1113 early to need						-10,000		-10,000
Transfer from title IX						266,037		266,037
<b>FY 2020 OCO (Title IX)</b>		<b>266,037</b>						<b>266,037</b>
Transfer to title III						-266,037		-266,037
<b>01 6600E80100A</b>	<b>745</b>	<b>93,486</b>				<b>-1,407</b>	<b>745</b>	<b>92,079</b>
<b>Proj 155mm Extended Range M982 (15)</b>								
<b>FY 2020 Appropriated Base</b>								
2 / Product engineering growth						-1,407		-1,407
Transfer from title IX						57,434		57,434
<b>FY 2020 OCO (Title IX)</b>	<b>745</b>	<b>93,486</b>					<b>745</b>	<b>93,486</b>
Transfer to title III						-57,434		-57,434
<b>01 8750E27501A</b>		<b>278,873</b>				<b>-6,880</b>		<b>271,993</b>
<b>Artillery Propellants, Fuzes and Primers, All (16)</b>								
<b>FY 2020 Appropriated Base</b>								
2 / PGK unit cost growth						-3,580		-3,580
2 / M782 unjustified product improvements						-2,700		-2,700
2 / FUZE PD M739 series unit cost discrepancy						-600		-600
Transfer from title IX						271,602		271,602
<b>FY 2020 OCO (Title IX)</b>		<b>278,873</b>						<b>278,873</b>
Transfer to title III						-271,602		-271,602
<b>01 0442EA0800A</b>		<b>55,433</b>				<b>-16,194</b>		<b>39,239</b>
<b>Mines &amp; Clearing Charges, All Types (17)</b>								
<b>FY 2020 Appropriated Base</b>								
2 / APOBS contract award delay						-16,194		-16,194
Transfer from title IX						55,433		55,433
<b>FY 2020 OCO (Title IX)</b>		<b>55,433</b>						<b>55,433</b>
Transfer to title III						-55,433		-55,433
<b>01 2348EA4000A</b>		<b>75,054</b>				<b>-7,350</b>		<b>67,704</b>
<b>Shoulder Launched Munitions, All Types (18)</b>								
<b>FY 2020 Appropriated Base</b>								
1 / Program increase - AT4CS tandem warhead						7,200		7,200
2 / BDM program delays						-14,550		-14,550
Transfer from title IX						74,878		74,878
<b>FY 2020 OCO (Title IX)</b>		<b>75,054</b>						<b>75,054</b>
Transfer to title III						-74,878		-74,878
<b>01 3246E37300A</b>		<b>255,453</b>				<b>-5,000</b>		<b>250,453</b>
<b>Rocket, Hydra 70, All Types (19)</b>								
<b>FY 2020 Appropriated Base</b>								
2 / Excess support costs						-5,000		-5,000
Transfer from title IX						175,994		175,994
<b>FY 2020 OCO (Title IX)</b>		<b>255,453</b>						<b>255,453</b>
Transfer to title III						-175,994		-175,994
<b>01 2420E61000A</b>		<b>7,595</b>						<b>7,595</b>
<b>CAD/PAD, All Types (20)</b>								
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						7,595		7,595
<b>FY 2020 OCO (Title IX)</b>		<b>7,595</b>						<b>7,595</b>
Transfer to title III						-7,595		-7,595

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Army, 2020/2022 (2034A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 2790E55400A Demolition Munitions, All Types (21)</b>		<b>51,651</b>						<b>51,651</b>
FY 2020 Appropriated Base								
Transfer from title IX						51,651		51,651
FY 2020 OCO (Title IX)		<b>51,651</b>						<b>51,651</b>
Transfer to title III						-51,651		-51,651
<b>01 4582E34000A Grenades, All Types (22)</b>		<b>40,592</b>				<b>5,690</b>		<b>46,282</b>
FY 2020 Appropriated Base								
1 / Program increase						8,000		8,000
2 / XM111 offensive hand grenade early to need						-2,310		-2,310
Transfer from title IX						40,592		40,592
FY 2020 OCO (Title IX)		<b>40,592</b>						<b>40,592</b>
Transfer to title III						-40,592		-40,592
<b>01 6038E46900A Signals, All Types (23)</b>		<b>18,609</b>						<b>18,609</b>
FY 2020 Appropriated Base								
Transfer from title IX						18,609		18,609
FY 2020 OCO (Title IX)		<b>18,609</b>						<b>18,609</b>
Transfer to title III						-18,609		-18,609
<b>01 8278E51200A Simulators, All Types (24)</b>		<b>16,054</b>						<b>16,054</b>
FY 2020 Appropriated Base								
Transfer from title IX						16,054		16,054
FY 2020 OCO (Title IX)		<b>16,054</b>						<b>16,054</b>
Transfer to title III						-16,054		-16,054
<b>01 0684EB0016A Ammo Components, All Types (25)</b>		<b>5,261</b>				<b>-2,600</b>		<b>2,661</b>
FY 2020 Appropriated Base								
2 / Prior year carryover						-2,600		-2,600
Transfer from title IX						5,261		5,261
FY 2020 OCO (Title IX)		<b>5,261</b>						<b>5,261</b>
Transfer to title III						-5,261		-5,261
<b>01 1430E91901A Non-Lethal Ammunition, All Types (26)</b>		<b>715</b>				<b>-715</b>		
FY 2020 Appropriated Base								
2 / Prior year carryover						-715		-715
Transfer from title IX						715		715
FY 2020 OCO (Title IX)		<b>715</b>						<b>715</b>
Transfer to title III						-715		-715
<b>01 2624EA0055A Items Less Than \$5 Million (AMMO) (27)</b>		<b>9,224</b>						<b>9,224</b>
FY 2020 Appropriated Base								
Transfer from title IX						9,213		9,213
FY 2020 OCO (Title IX)		<b>9,224</b>						<b>9,224</b>
Transfer to title III						-9,213		-9,213
<b>01 4370EA0575A Ammunition Peculiar Equipment (28)</b>		<b>10,044</b>						<b>10,044</b>
FY 2020 Appropriated Base								
Transfer from title IX						10,044		10,044
FY 2020 OCO (Title IX)		<b>10,044</b>						<b>10,044</b>
Transfer to title III						-10,044		-10,044

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Army, 2020/2022 (2034A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 4758EA0550A First Destination Transportation (AMMO) (29)</b>		<b>18,492</b>						<b>18,492</b>
FY 2020 Appropriated Base								
Transfer from title IX						18,492		18,492
FY 2020 OCO (Title IX)		<b>18,492</b>						<b>18,492</b>
Transfer to title III						-18,492		-18,492
<b>01 9615EA8500A Closeout Liabilities (30)</b>		<b>99</b>				<b>-99</b>		
FY 2020 Appropriated Base								
2 / Prior year carryover						-99		-99
Transfer from title IX						99		99
FY 2020 OCO (Title IX)		<b>99</b>						<b>99</b>
Transfer to title III						-99		-99
<b>Subtotal Budget Activity 01: Ammunition</b>		<b>2,162,374</b>				<b>-115,973</b>		<b>2,046,401</b>
<b>Budget Activity 02: Ammunition Production Base Support</b>								
<b>02 0572EP1000A Industrial Facilities (31)</b>		<b>474,511</b>						<b>474,511</b>
FY 2020 Appropriated Base								
Transfer from title IX						474,511		474,511
FY 2020 OCO (Title IX)		<b>474,511</b>						<b>474,511</b>
Transfer to title III						-474,511		-474,511
<b>02 4099EP1700A Conventional Munitions Demilitarization (32)</b>		<b>202,512</b>						<b>202,512</b>
FY 2020 Appropriated Base								
Transfer from title IX						202,512		202,512
FY 2020 OCO (Title IX)		<b>202,512</b>						<b>202,512</b>
Transfer to title III						-202,512		-202,512
<b>02 4150EP2500A Arms Initiative (33)</b>		<b>3,833</b>						<b>3,833</b>
FY 2020 Appropriated Base								
Transfer from title IX						3,833		3,833
FY 2020 OCO (Title IX)		<b>3,833</b>						<b>3,833</b>
Transfer to title III						-3,833		-3,833
<b>Subtotal Budget Activity 02: Ammunition Production Base Support</b>		<b>680,856</b>						<b>680,856</b>
<b>Grand Total Procurement of Ammunition, Army, 2020/2022</b>		<b>2,843,230</b>				<b>-115,973</b>		<b>2,727,257</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						2,578,575		2,578,575
APPROPRIATION, P.L. 116-93 (OCO)		<b>2,843,230</b>				-2,694,548		148,682
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>2,843,230</b>				<b>-115,973</b>		<b>2,727,257</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Other Procurement, Army, 2020/2022 (2035A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Tactical and Support Vehicles</b>								
<b>01 Tactical Trailers/Dolly Sets</b>		12,993						12,993
FY 2020 Appropriated Base		12,993						12,993
<b>01 Semitrailers, Flatbed:</b>		102,386						102,386
FY 2020 Appropriated Base		102,386						102,386
<b>01 Ambulance, 4 LITTER, 5/4 TON, 4x4</b>		127,271						127,271
FY 2020 Appropriated Base		127,271						127,271
<b>01 Ground Mobility Vehicles (GMV)</b>		37,038						37,038
FY 2020 Appropriated Base		37,038						37,038
<b>01 Army National Guard HMMWV Modernization</b>						100,000		100,000
FY 2020 Appropriated Base								
1 / Program Increase						100,000		100,000
<b>01 Joint Light Tactical Vehicle</b>	2,530	996,007				-23,600	2,201	972,407
FY 2020 Appropriated Base	2,530	996,007					2,201	996,007
2 / Revised TADSS acquisition strategy						-19,100		-19,100
Army requested transfer to RDTE,A line 169						-4,500		-4,500
<b>01 Truck, Dump, 20t (CCE)</b>		10,838						10,838
FY 2020 Appropriated Base		10,838						10,838
<b>01 Family of Medium Tactical Veh (FMTV)</b>		72,057				66,000		138,057
FY 2020 Appropriated Base		72,057						72,057
1 / Program increase						66,000		66,000
<b>01 Firetrucks &amp; Associated Firefighting Equip</b>		28,048						28,048
FY 2020 Appropriated Base		28,048						28,048
<b>01 Family of Heavy Tactical Vehicles (FHTV)</b>		36,886						36,886
FY 2020 Appropriated Base		9,969						9,969
FY 2020 OCO (Title IX)		26,917						26,917
<b>01 Pls Esp</b>		23,221						23,221
FY 2020 Appropriated Base		6,280						6,280
FY 2020 OCO (Title IX)		16,941						16,941
<b>01 Hvy Expanded Mobile Tactical Truck Ext Serv</b>		93,575				101,000		194,575
FY 2020 Appropriated Base		30,841						30,841
1 / Program increase						101,000		101,000
FY 2020 OCO (Title IX)		62,734						62,734
<b>01 HMMWV Recapitalization Program</b>		5,734				25,000		30,734
FY 2020 Appropriated Base		5,734						5,734
1 / Program increase						25,000		25,000
<b>01 Tactical Wheeled Vehicle Protection Kits</b>		95,113						95,113
FY 2020 Appropriated Base		45,113						45,113
FY 2020 OCO (Title IX)		50,000						50,000
<b>01 Modification of In Svc Equip</b>		86,946				-3,319		83,627
FY 2020 Appropriated Base		58,946						58,946
2 / Program management carryover						-1,834		-1,834
FY 2020 OCO (Title IX)		28,000						28,000
2 / Program management carryover						-1,485		-1,485

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Other Procurement, Army, 2020/2022 (2035A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
01 Heavy Armored Vehicle		791						791
FY 2020 Appropriated Base		791						791
01 Passenger Carrying Vehicles		1,416						1,416
FY 2020 Appropriated Base		1,416						1,416
01 Nontactical Vehicles, Other		29,891						29,891
FY 2020 Appropriated Base		29,891						29,891
Subtotal Budget Activity 01: Tactical and Support Vehicles		1,760,211				265,081		2,025,292
Budget Activity 02: Communications and Electronics Equipment								
Budget Activity 02: Spectrum								
02 Signal Modernization Program		153,933				-25,020		128,913
FY 2020 Appropriated Base		153,933						153,933
2 / Spares excess funding						-5,000		-5,000
2 / TROPO delay						-20,020		-20,020
02 Tactical Network Technology Mod In Svc		427,439				56,000		483,439
FY 2020 Appropriated Base		387,439						387,439
1 / Program increase - Armored Brigade Combat Teams On the Move						71,000		71,000
2 / SATCOM obsolescence-Satellite Transportable Terminals previously funded						-15,000		-15,000
FY 2020 OCO (Title IX)		40,000						40,000
02 SITUATION INFORMATION TRANSPORT		46,693						46,693
FY 2020 Appropriated Base		46,693						46,693
02 JCSE Equipment (USRDECOM)		5,075						5,075
FY 2020 Appropriated Base		5,075						5,075
02 Defense Enterprise Wideband Satcom Systems		101,189				-2,790		98,399
FY 2020 Appropriated Base		101,189						101,189
2 / Technology refresh excess growth						-2,790		-2,790
02 Transportable Tactical Command Communications		84,071				15,000		99,071
FY 2020 Appropriated Base		77,141						77,141
1 / Program increase						15,000		15,000
FY 2020 OCO (Title IX)		6,930						6,930
02 SHF Term		16,054				-1,000		15,054
FY 2020 Appropriated Base		16,054						16,054
2 / Historical underexecution						-1,000		-1,000
02 Assured Positioning, Navigation and Timing		52,852				-9,400		43,452
FY 2020 Appropriated Base		41,074						41,074
2 / Pseudolite no longer needed						-7,400		-7,400
2 / Dismounted support funded in RDTE,A						-2,000		-2,000
FY 2020 OCO (Title IX)		11,778						11,778
02 Smart-T (SPACE)		11,340						11,340
FY 2020 Appropriated Base		10,515						10,515
FY 2020 OCO (Title IX)		825						825
02 Global Brdcst Svc - GBS		11,800						11,800
FY 2020 Appropriated Base		11,800						11,800

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Army, 2020/2022 (2035A)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 Enroute Mission Command (EMC)		8,609						8,609
FY 2020 Appropriated Base		8,609						8,609
02 COE Tactical Server Infrastructure (TSI)		77,533				-10,000		67,533
FY 2020 Appropriated Base		77,533						77,533
2 / TSI acquisition strategy						-10,000		-10,000
02 Handheld Manpack Small Form Fit (HMS)		468,026						468,026
FY 2020 Appropriated Base		468,026						468,026
1 / Program increase - SFAB refresh						20,000		20,000
2 / Excess to need						-20,000		-20,000
02 Radio Terminal Set, Mids Lvt(2)		24,128						24,128
FY 2020 Appropriated Base		23,778						23,778
FY 2020 OCO (Title IX)		350						350
02 Spider Family of Networked Munitions Incr		10,930						10,930
FY 2020 Appropriated Base		10,930						10,930
02 Unified Command Suite		9,291				9,000		18,291
FY 2020 Appropriated Base		9,291						9,291
1 / Program increase						9,000		9,000
02 COTS Communications Equipment		76,030						76,030
FY 2020 Appropriated Base		55,630						55,630
FY 2020 OCO (Title IX)		20,400						20,400
02 Family of Med Comm for Combat Casualty Care		17,821						17,821
FY 2020 Appropriated Base		16,590						16,590
FY 2020 OCO (Title IX)		1,231						1,231
02 Army Communications & Electronics		43,457				-5,601		37,856
FY 2020 Appropriated Base		43,457						43,457
2 / Classified adjustment						-5,601		-5,601
02 CI Automation Architecture (MIP)		16,670						16,670
FY 2020 Appropriated Base		10,470						10,470
FY 2020 OCO (Title IX)		6,200						6,200
02 Defense Military Deception Initiative		3,704						3,704
FY 2020 Appropriated Base		3,704						3,704
02 Family of Biometrics		1,000						1,000
FY 2020 Appropriated Base		1,000						1,000
02 Information System Security Program-ISSP		3,600						3,600
FY 2020 Appropriated Base		3,600						3,600
02 Communications Security (COMSEC)		160,899				-13,802		147,097
FY 2020 Appropriated Base		160,899						160,899
2 / INE quantity discrepancies						-9,867		-9,867
2 / Secure voice quantity discrepancies						-3,935		-3,935
02 Defensive CYBER Operations		61,962				-5,000		56,962
FY 2020 Appropriated Base		61,962						61,962
2 / Rapid prototyping fund unjustified request						-2,000		-2,000
2 / Inconsistent justification material						-3,000		-3,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Other Procurement, Army, 2020/2022 (2035A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 Insider Threat Program - Unit Activity Monito		756						756
FY 2020 Appropriated Base		756						756
02 Persistent Cyber Training Environment		3,000						3,000
FY 2020 Appropriated Base		3,000						3,000
02 Base Support Communications		52,252						52,252
FY 2020 Appropriated Base		31,770						31,770
FY 2020 OCO (Title IX)		20,482						20,482
02 Information Systems		214,809						214,809
FY 2020 Appropriated Base		159,009						159,009
FY 2020 OCO (Title IX)		55,800						55,800
02 Emergency Management Modernization Program		4,854						4,854
FY 2020 Appropriated Base		4,854						4,854
02 Home Station Mission Command Centers (HSMCC)		47,174						47,174
FY 2020 Appropriated Base		47,174						47,174
02 Installation Info Infrastructure Mod Program		373,814				-32,500		341,314
FY 2020 Appropriated Base		297,994						297,994
2 / Excess to need						-32,500		-32,500
FY 2020 OCO (Title IX)		75,820						75,820
02 JTT/CIBS-M (MIP)		7,686						7,686
FY 2020 Appropriated Base		7,686						7,686
02 DCGS-A (MIP)		218,963				-13,744		205,219
FY 2020 Appropriated Base		180,350						180,350
2 / Unjustified software growth						-13,744		-13,744
FY 2020 OCO (Title IX)		38,613						38,613
02 Trojan (MIP)		18,705						18,705
FY 2020 Appropriated Base		17,368						17,368
FY 2020 OCO (Title IX)		1,337						1,337
02 Mod of In-Svc Equip (Intel Spt) (MIP)		61,103						61,103
FY 2020 Appropriated Base		59,052						59,052
FY 2020 OCO (Title IX)		2,051						2,051
02 Biometric Tactical Collection Devices (MIP)		1,800						1,800
FY 2020 OCO (Title IX)		1,800						1,800
02 Lightweight Counter Mortar Radar		5,400						5,400
FY 2020 Appropriated Base		5,400						5,400
02 EW Planning & Management Tools (EWPMT)		7,568						7,568
FY 2020 Appropriated Base		7,568						7,568
02 Air Vigilance (AV) (MIP)		8,953						8,953
FY 2020 Appropriated Base		8,953						8,953
02 Multi-Function Electronic Warfare (MFEW) Syst		6,420				-6,420		
FY 2020 Appropriated Base		6,420						6,420
2 / Early to need						-6,420		-6,420
02 Family of Persistent Surveillance Cap. (MIP)		71,493				-40,000		31,493
FY 2020 OCO (Title IX)		71,493						71,493
2 / MX sensors unjustified growth						-40,000		-40,000

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02 Counterintelligence/Security Countermeasures		7,418						7,418
FY 2020 Appropriated Base		501						501
FY 2020 OCO (Title IX)		6,917						6,917
02 CI Modernization (MIP)		121						121
FY 2020 Appropriated Base		121						121
02 Sentinel Mods		135,210				-1,300		133,910
FY 2020 Appropriated Base		115,210						115,210
2 / Excess support costs						-1,300		-1,300
FY 2020 OCO (Title IX)		20,000						20,000
02 Night Vision Devices		240,280				-155,078		85,202
FY 2020 Appropriated Base		236,604						236,604
1 / Program increase - digital night vision test devices						3,000		3,000
2 / IVAS early to need						-76,225		-76,225
2 / ENVG-B program of record unit cost growth						-17,509		-17,509
2 / ENVG-B ONS excess to need						-64,344		-64,344
FY 2020 OCO (Title IX)		3,676						3,676
02 Small Tactical Optical Rifle Mounted MLRF		22,623						22,623
FY 2020 Appropriated Base		22,623						22,623
02 Indirect Fire Protection Family of Systems		29,127						29,127
FY 2020 Appropriated Base		29,127						29,127
02 Family of Weapon Sights (FWS)		120,883				-39,342		81,541
FY 2020 Appropriated Base		120,883						120,883
2 / FWS-CS contract delays						-39,342		-39,342
02 Joint Battle Command - Platform (JBC-P)		291,235				-9,121		282,114
FY 2020 Appropriated Base		265,667						265,667
2 / Unjustified fielding growth						-3,653		-3,653
2 / Unjustified ancillary equipment growth						-5,468		-5,468
FY 2020 OCO (Title IX)		25,568						25,568
02 Joint Effects Targeting System (JETS)		69,720				-44,390		25,330
FY 2020 Appropriated Base		69,720						69,720
2 / Production issues						-44,390		-44,390
02 Mod of In-Svc Equip (LLDR)		6,044						6,044
FY 2020 Appropriated Base		6,044						6,044
02 Computer Ballistics: LHMBC XM32		3,838						3,838
FY 2020 Appropriated Base		3,268						3,268
FY 2020 OCO (Title IX)		570						570
02 Mortar Fire Control System		29,174						29,174
FY 2020 Appropriated Base		13,199						13,199
FY 2020 OCO (Title IX)		15,975						15,975
02 Mortar Fire Control Systems Modifications		10,000						10,000
FY 2020 Appropriated Base		10,000						10,000
02 Counterfire Radars		16,416						16,416
FY 2020 Appropriated Base		16,416						16,416

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02 Fire Support C2 Family		13,197						13,197
FY 2020 Appropriated Base		13,197						13,197
02 AIR & MSL Defense Planning & Control Sys		39,061						39,061
FY 2020 Appropriated Base		24,730						24,730
FY 2020 OCO (Title IX)		14,331						14,331
02 IAMD Battle Command System		29,629						29,629
FY 2020 Appropriated Base		29,629						29,629
02 Life Cycle Software Support (LCSS)		6,774						6,774
FY 2020 Appropriated Base		6,774						6,774
02 Network Management Initialization and Service		24,448						24,448
FY 2020 Appropriated Base		24,448						24,448
02 Maneuver Control System (MCS)		260						260
FY 2020 Appropriated Base		260						260
02 Global Combat Support System-Army (GCSS-A)		17,962				-9,147		8,815
FY 2020 Appropriated Base		17,962						17,962
2 / Forward financing increment 2 fielding						-9,147		-9,147
02 Integrated Personnel and Pay System-Army (IPPS)		18,674				-4,574		14,100
FY 2020 Appropriated Base		18,674						18,674
2 / Excess to requirements						-4,574		-4,574
02 Reconnaissance and Surveying Instrument Set		11,000						11,000
FY 2020 Appropriated Base		11,000						11,000
02 Mod of In-Svc Equipment (ENFIRE)		7,317				8,000		15,317
FY 2020 Appropriated Base		7,317						7,317
1 / Program increase - land surveying systems						8,000		8,000
02 Army Training Modernization		20,592						20,592
FY 2020 Appropriated Base		14,578						14,578
FY 2020 OCO (Title IX)		6,014						6,014
02 Automated Data Processing Equip		172,042				-1,127		170,915
FY 2020 Appropriated Base		139,342						139,342
2 / Accessions Information Environment early to need						-1,127		-1,127
FY 2020 OCO (Title IX)		32,700						32,700
02 General Fund Enterprise Business Systems Fam		15,802				-800		15,002
FY 2020 Appropriated Base		15,802						15,802
2 / GFEBS unjustified growth						-800		-800
02 High Perf Computing Mod Pgm (HPCMP)		67,610				5,000		72,610
FY 2020 Appropriated Base		67,610						67,610
1 / Program increase - virtual prototyping						5,000		5,000
02 Contract Writing System		15,000				-9,000		6,000
FY 2020 Appropriated Base		15,000						15,000
2 / License requirements forward financed						-9,000		-9,000
02 CSS Communications		24,700						24,700
FY 2020 Appropriated Base		24,700						24,700
02 Reserve Component Automation Sys (RCAS)		27,879						27,879
FY 2020 Appropriated Base		27,879						27,879

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<b>02</b> Items Less Than \$5M (Surveying Equipment)		5,000						5,000
FY 2020 Appropriated Base		5,000						5,000
<b>02</b> BCT Emerging Technologies		22,302				-2,990		19,312
FY 2020 Appropriated Base		22,302						22,302
2 / Lack of defined requirements						-2,990		-2,990
<b>02</b> Classified Programs		11,910						11,910
FY 2020 Appropriated Base		3,710						3,710
Transfer from title IX						8,200		8,200
FY 2020 OCO (Title IX)		8,200						8,200
Transfer to title III						-8,200		-8,200
<b>Subtotal Budget Activity 02: Communications and Electronics Equipment</b>		<b>4,246,189</b>				<b>-350,956</b>		<b>3,895,233</b>
<b>Subtotal Budget Activity 02: Spectrum</b>		<b>285,915</b>				<b>1,810</b>		<b>287,725</b>
<b>Budget Activity 03: Other Support Equipment</b>								
<b>03</b> Family of Non-Lethal Equipment (FNLE)		25,480				3,000		28,480
FY 2020 Appropriated Base								
1 / Program increase - acoustic hailing devices						3,000		3,000
FY 2020 OCO (Title IX)		25,480						25,480
<b>03</b> Base Defense Systems (BDS)		47,110				-7,126		39,984
FY 2020 OCO (Title IX)		47,110						47,110
2 / Unjustified growth						-7,126		-7,126
<b>03</b> CBRN Defense		44,539				-1,250		43,289
FY 2020 Appropriated Base		25,828						25,828
FY 2020 OCO (Title IX)		18,711						18,711
2 / Unit cost discrepancies						-1,250		-1,250
<b>03</b> Smoke & Obscurant Family: SOF (NON AAO ITEM)		5,050						5,050
FY 2020 Appropriated Base		5,050						5,050
<b>03</b> Tactical Bridging		64,705						64,705
FY 2020 Appropriated Base		59,821						59,821
FY 2020 OCO (Title IX)		4,884						4,884
<b>03</b> Tactical Bridge, Float-Ribbon		57,661						57,661
FY 2020 Appropriated Base		57,661						57,661
<b>03</b> Bridge Supplemental Set		17,966						17,966
FY 2020 Appropriated Base		17,966						17,966
<b>03</b> Common Bridge Transporter (CBT) Recap		43,155						43,155
FY 2020 Appropriated Base		43,155						43,155
<b>03</b> Handheld Standoff Minefield Detection Sys-Hst		7,570						7,570
FY 2020 Appropriated Base		7,570						7,570
<b>03</b> Grnd Standoff Mine Detectn Sysm (GSTAMIDS)		41,525				-845		40,680
FY 2020 Appropriated Base		37,025						37,025
FY 2020 OCO (Title IX)		4,500						4,500
2 / Unit cost discrepancies						-845		-845

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<b>03 Husky Mounted Detection System (HMDS)</b>		<b>117,335</b>				<b>-41,749</b>		<b>75,586</b>
FY 2020 Appropriated Base		83,082						83,082
2 / GPR unit cost savings						-6,185		-6,185
2 / DBD insufficient justification						-29,382		-29,382
FY 2020 OCO (Title IX)		34,253						34,253
2 / Unit cost discrepancies						-6,182		-6,182
<b>03 Robotic Combat Support System (RCSS)</b>		<b>5,300</b>						<b>5,300</b>
FY 2020 Appropriated Base		2,000						2,000
FY 2020 OCO (Title IX)		3,300						3,300
<b>03 EOD Robotics Systems Recapitalization</b>		<b>23,115</b>						<b>23,115</b>
FY 2020 Appropriated Base		23,115						23,115
<b>03 Robotics and Applique Systems</b>		<b>101,056</b>						<b>101,056</b>
FY 2020 Appropriated Base		101,056						101,056
<b>03 Render Safe Sets kits Outfits</b>		<b>102,684</b>						<b>102,684</b>
FY 2020 Appropriated Base		18,684						18,684
FY 2020 OCO (Title IX)		84,000						84,000
<b>03 Family of Boats and Motors</b>		<b>8,245</b>				<b>-2,500</b>		<b>5,745</b>
FY 2020 Appropriated Base		8,245						8,245
2 / Unit cost growth						-2,500		-2,500
<b>03 Heaters and ECU'S</b>		<b>7,344</b>						<b>7,344</b>
FY 2020 Appropriated Base		7,336						7,336
FY 2020 OCO (Title IX)		8						8
<b>03 Personnel Recovery Support System (PRSS)</b>		<b>9,382</b>						<b>9,382</b>
FY 2020 Appropriated Base		4,281						4,281
FY 2020 OCO (Title IX)		5,101						5,101
<b>03 Ground Soldier System</b>		<b>113,715</b>				<b>2,550</b>		<b>116,265</b>
FY 2020 Appropriated Base		111,955						111,955
1 / Program increase - fire detection						7,500		7,500
2 / Sustainment support carryover						-4,950		-4,950
FY 2020 OCO (Title IX)		1,760						1,760
<b>03 Mobile Soldier Power</b>		<b>31,364</b>				<b>-2,000</b>		<b>29,364</b>
FY 2020 Appropriated Base		31,364						31,364
2 / Unit cost growth						-2,000		-2,000
<b>03 Force Provider</b>		<b>56,400</b>				<b>8,000</b>		<b>64,400</b>
FY 2020 Appropriated Base								
2 / Program increase - expeditionary shelter protection system						8,000		8,000
FY 2020 OCO (Title IX)		56,400						56,400
<b>03 Field Feeding Equipment</b>		<b>1,673</b>				<b>14,300</b>		<b>15,973</b>
FY 2020 Appropriated Base		1,673						1,673
1 / Program increase - multi-temperature refrigerated container system						14,300		14,300



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<b>03 Cargo Aerial Del &amp; Personnel Parachute System</b>		<b>45,662</b>				<b>-1,000</b>		<b>44,662</b>
FY 2020 Appropriated Base		43,622						43,622
2 / MC-6 unit cost adjustments						-1,000		-1,000
FY 2020 OCO (Title IX)		2,040						2,040
<b>03 Family of Engr Combat and Construction Sets</b>		<b>11,451</b>						<b>11,451</b>
FY 2020 Appropriated Base		11,451						11,451
<b>03 Items Less Than \$5M (Eng Spt)</b>		<b>5,167</b>				<b>-1,039</b>		<b>4,128</b>
FY 2020 Appropriated Base		5,167						5,167
2 / Unjustified management growth						-1,039		-1,039
<b>03 Distribution Systems, Petroleum &amp; Water</b>		<b>88,853</b>				<b>-4,326</b>		<b>84,527</b>
FY 2020 Appropriated Base		74,867						74,867
2 / HIPPO unit cost growth						-1,249		-1,249
2 / Unjustified MTTRS data growth						-1,500		-1,500
FY 2020 OCO (Title IX)		13,986						13,986
2 / HIPPO unit cost growth						-1,577		-1,577
<b>03 Combat Support Medical</b>		<b>70,960</b>				<b>30,391</b>		<b>101,351</b>
FY 2020 Appropriated Base		68,225						68,225
1 / Program increase - combat support hospital deployable infrastructure						10,000		10,000
1 / Program increase - enhanced vehicle medical kits						10,000		10,000
1 / Program increase - upgrades to prepositioned hospital centers in EUCOM						13,785		13,785
2 / Laboratory science equipment unjustified growth						-3,394		-3,394
FY 2020 OCO (Title IX)		2,735						2,735
<b>03 Mobile Maintenance Equipment Systems</b>		<b>55,053</b>				<b>85,000</b>		<b>140,053</b>
FY 2020 Appropriated Base		55,053						55,053
1 / Program increase - next generation HMMVW shop equipment contract maintenance vehicle						85,000		85,000
<b>03 Items Less Than \$5.0M (Maint Eq)</b>		<b>5,608</b>						<b>5,608</b>
FY 2020 Appropriated Base		5,608						5,608
<b>03 Scrapers, Earthmoving</b>		<b>4,669</b>				<b>-759</b>		<b>3,910</b>
FY 2020 OCO (Title IX)		4,669						4,669
2 / Narrative discrepancies						-759		-759
<b>03 Loaders</b>		<b>380</b>						<b>380</b>
FY 2020 OCO (Title IX)		380						380
<b>03 Hydraulic Excavator</b>		<b>500</b>						<b>500</b>
FY 2020 Appropriated Base		500						500
<b>03 Tractor, Full Tracked</b>		<b>13,060</b>						<b>13,060</b>
FY 2020 Appropriated Base		4,835						4,835
FY 2020 OCO (Title IX)		8,225						8,225
<b>03 All Terrain Cranes</b>		<b>23,936</b>				<b>-933</b>		<b>23,003</b>
FY 2020 Appropriated Base		23,936						23,936
2 / Unit cost growth						-933		-933

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03 High Mobility Engineer Excavator (HMEE)		30,188						30,188
FY 2020 Appropriated Base		27,188						27,188
FY 2020 OCO (Title IX)		3,000						3,000
03 Const Equip Esp		38,660						38,660
FY 2020 Appropriated Base		34,790						34,790
FY 2020 OCO (Title IX)		3,870						3,870
03 Items Less Than \$5.0M (Const Equip)		4,731						4,731
FY 2020 Appropriated Base		4,381						4,381
FY 2020 OCO (Title IX)		350						350
03 Army Watercraft Esp		35,194						35,194
FY 2020 Appropriated Base		35,194						35,194
03 Maneuver Support Vessel (MSV)		14,185						14,185
FY 2020 Appropriated Base		14,185						14,185
03 Items Less Than \$5.0M (Float/Rail)		6,920						6,920
FY 2020 Appropriated Base		6,920						6,920
03 Generators and Associated Equip		61,002				54,910		115,912
FY 2020 Appropriated Base		58,566						58,566
1 / Program increase - AMMPS						54,910		54,910
FY 2020 OCO (Title IX)		2,436						2,436
03 Tactical Electric Power Recapitalization		14,814						14,814
FY 2020 Appropriated Base		14,814						14,814
03 Family of Forklifts		20,016				-1,000		19,016
FY 2020 Appropriated Base		14,864						14,864
2 / Unjustified fielding growth						-1,000		-1,000
FY 2020 OCO (Title IX)		5,152						5,152
03 Combat Training Centers Support		123,411						123,411
FY 2020 Appropriated Base		123,411						123,411
03 Training Devices, Nonsystem		222,813				-7,360		215,453
FY 2020 Appropriated Base		220,707						220,707
2 / Unjustified JPMRC growth						-3,000		-3,000
2 / Unjustified NSTD furniture and fixtures growth						-4,360		-4,360
FY 2020 OCO (Title IX)		2,106						2,106
03 Synthetic Training Environment (STE)		20,749				-6,300		14,449
FY 2020 Appropriated Base		20,749						20,749
2 / Acquisition strategy						-6,300		-6,300
03 Aviation Combined Arms Tactical Trainer		4,840						4,840
FY 2020 Appropriated Base		4,840						4,840
03 Gaming Technology In Support of Army Training		15,463						15,463
FY 2020 Appropriated Base		15,463						15,463
03 Calibration Sets Equipment		3,030						3,030
FY 2020 Appropriated Base		3,030						3,030
03 Integrated Family of Test Equipment (IFTE)		78,375						78,375
FY 2020 Appropriated Base		76,980						76,980
FY 2020 OCO (Title IX)		1,395						1,395

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<b>03 Test Equipment Modernization (TEMOD)</b>		<b>16,415</b>				<b>-3,000</b>		<b>13,415</b>
<b>FY 2020 Appropriated Base</b>		<b>16,415</b>						<b>16,415</b>
2 / Historical underexecution						-3,000		-3,000
<b>03 Rapid Equipping Soldier Support Equipment</b>		<b>33,999</b>				<b>-6,122</b>		<b>27,877</b>
<b>FY 2020 Appropriated Base</b>		<b>9,877</b>						<b>9,877</b>
<b>FY 2020 OCO (Title IX)</b>		<b>24,122</b>						<b>24,122</b>
2 / Overestimation of requirements						-6,122		-6,122
<b>03 Physical Security Systems (OPA3)</b>		<b>92,174</b>				<b>-3,200</b>		<b>88,974</b>
<b>FY 2020 Appropriated Base</b>		<b>82,158</b>						<b>82,158</b>
2 / Standardized Intrusion Detection System unjustified growth						-3,200		-3,200
<b>FY 2020 OCO (Title IX)</b>		<b>10,016</b>						<b>10,016</b>
<b>03 Base Level Common Equipment</b>		<b>15,340</b>						<b>15,340</b>
<b>FY 2020 Appropriated Base</b>		<b>15,340</b>						<b>15,340</b>
<b>03 Modification of In-Svc Equipment (OPA-3)</b>		<b>83,812</b>				<b>23,000</b>		<b>106,812</b>
<b>FY 2020 Appropriated Base</b>		<b>50,458</b>						<b>50,458</b>
1 / Program increase - RTCH						10,000		10,000
1 / Program increase - solid-waste disposal systems						13,000		13,000
<b>FY 2020 OCO (Title IX)</b>		<b>33,354</b>						<b>33,354</b>
<b>03 Building, Pre-Fab, Relocatable</b>		<b>77,054</b>				<b>32,700</b>		<b>109,754</b>
<b>FY 2020 Appropriated Base</b>		<b>14,400</b>						<b>14,400</b>
1 / Program increase - Stryker vehicle protective shelters						32,700		32,700
Army requested transfer to title IX						-14,400		-14,400
<b>FY 2020 OCO (Title IX)</b>		<b>62,654</b>						<b>62,654</b>
Army requested transfer from title III						14,400		14,400
<b>03 Special Equipment for User Testing</b>		<b>9,821</b>						<b>9,821</b>
<b>FY 2020 Appropriated Base</b>		<b>9,821</b>						<b>9,821</b>
<b>Subtotal Budget Activity 03: Other Support Equipment</b>		<b>2,280,679</b>				<b>163,342</b>		<b>2,444,021</b>
<b>Budget Activity 04: Spare and Repair Parts</b>								
<b>04 Initial Spares - C&amp;E</b>		<b>9,757</b>						<b>9,757</b>
<b>FY 2020 Appropriated Base</b>		<b>9,757</b>						<b>9,757</b>
<b>Subtotal Budget Activity 04: Spare and Repair Parts</b>		<b>9,757</b>						<b>9,757</b>
<b>Grand Total Other Procurement, Army, 2020/2022</b>		<b>8,582,751</b>				<b>79,277</b>		<b>8,662,028</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		7,443,101				138,423		7,581,524
APPROPRIATION, P.L. 116-93 (OCO)		1,139,650				-59,146		1,080,504
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>8,582,751</b>				<b>79,277</b>		<b>8,662,028</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Basic Research</b>								
<b>01 0601102A Defense Research Sciences</b>		<b>297,976</b>				<b>56,504</b>		<b>354,480</b>
<b>FY 2020 Appropriated Base</b>		<b>297,976</b>						<b>297,976</b>
1 / Program increase - propulsion technology						10,000		10,000
1 / Program increase - ballistics and materials technology						10,000		10,000
1 / Program increase - flexible LED lighting						5,350		5,350
1 / Program increase - military waste stream conversion and energy recovery						5,000		5,000
1 / Program increase - multi-layer and dynamically-responsive macromolecular composites						5,000		5,000
1 / Program increase - advanced hemostat products						2,000		2,000
1 / Program increase - multi-fuel ignition, chemistry and control strategies for unmanned aircraft systems hybrid propulsion						9,000		9,000
1 / Program increase - transmission electron microscope						20,000		20,000
2 / Excess growth						-9,846		-9,846
<b>01 0601103A University Research Initiatives</b>		<b>65,858</b>				<b>22,000</b>		<b>87,858</b>
<b>FY 2020 Appropriated Base</b>		<b>65,858</b>						<b>65,858</b>
1 / Program increase						22,000		22,000
<b>01 0601104A University and Industry Research Centers</b>		<b>86,164</b>				<b>41,000</b>		<b>127,164</b>
<b>FY 2020 Appropriated Base</b>		<b>86,164</b>						<b>86,164</b>
1 / Program increase - Army artificial intelligence innovation institute						20,000		20,000
1 / Program increase - materials in extreme dynamic environments						5,000		5,000
1 / Program increase - biotechnology advancements						4,000		4,000
1 / Program analyst - Catalyst						10,000		10,000
1 / Program increase - university assisted hypervelocity testing						2,000		2,000
<b>01 0601121A Cyber Collaborative Research Alliance</b>		<b>4,982</b>						<b>4,982</b>
<b>FY 2020 Appropriated Base</b>		<b>4,982</b>						<b>4,982</b>
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>454,980</b>				<b>119,504</b>		<b>574,484</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Applied Research</b>								
<b>02 0602141A Lethality Technology</b>		<b>26,961</b>				<b>43,000</b>		<b>69,961</b>
<b>FY 2020 Appropriated Base</b>		<b>26,961</b>						<b>26,961</b>
1 / Program increase - medium range railgun weapon system						20,000		20,000
1 / Program increase - next generation air-breathing propulsion technology						5,000		5,000
1 / Program increase - mobile environment contaminant sensors						5,000		5,000
1 / Program increase - hybrid additive manufacturing						8,000		8,000
2 / Program increase - additive manufacturing research						5,000		5,000
<b>02 0602142A Army Applied Research</b>		<b>25,319</b>				<b>5,500</b>		<b>30,819</b>
<b>FY 2020 Appropriated Base</b>		<b>25,319</b>						<b>25,319</b>
1 / Program increase - materials recovery technologies for defense supply resiliency						3,000		3,000
1 / Program increase - flexible smart sensors						2,500		2,500
<b>02 0602143A Soldier Lethality Technology</b>		<b>115,274</b>				<b>30,626</b>		<b>145,900</b>
<b>FY 2020 Appropriated Base</b>		<b>115,274</b>						<b>115,274</b>
1 / Program increase						5,000		5,000
1 / Program increase - medical simulation and training						3,626		3,626
1 / Program increase - SOCOM communications capability						2,500		2,500
1 / Program increase - active and passive camouflage, concealment and deception						3,000		3,000
1 / Program increase - human systems integration						10,000		10,000
1 / Program increase - expeditionary mobile base camp technology						2,000		2,000
1 / Program increase - harnessing emerging research opportunities to empower soldiers						4,500		4,500

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 0602144A Ground Technology</b>		<b>35,199</b>				<b>108,700</b>		<b>143,899</b>
<b>FY 2020 Appropriated Base</b>		<b>35,199</b>						<b>35,199</b>
1 / Program increase - environmental quality enhanced coatings						5,000		5,000
1 / Program increase - environmental friendly coatings technology						3,000		3,000
1 / Program increase - additive manufacturing for artificial intelligence and machine learning						5,000		5,000
1 / Program increase - earthen structures soil enhancements						4,000		4,000
1 / Program increase - M1 Abrams tank track system						2,200		2,200
1 / Program increase - high performance polymers						5,000		5,000
1 / Program increase - materials manufacturing processes						6,000		6,000
1 / Program increase - highly durable advanced polymers for lightweight armor						8,000		8,000
1 / Program increase - cellulose nanocomposites research						5,000		5,000
1 / Program increase - materials research						17,500		17,500
1 / Program increase - additive manufacturing and materials processing						15,000		15,000
1 / Program increase - cold weather military research						3,000		3,000
1 / Program increase - cold spray technologies						15,000		15,000
1 / Program increase - center research in extreme batteries						10,000		10,000
1 / Program increase - countermining program						5,000		5,000
<b>02 0602145A Next Generation Combat Vehicle Technology</b>		<b>219,047</b>				<b>44,500</b>		<b>263,547</b>
<b>FY 2020 Appropriated Base</b>		<b>219,047</b>						<b>219,047</b>
1 / Program increase - prototyping energy smart autonomous ground systems						10,000		10,000
1 / Program increase - highly electrified vehicles						5,000		5,000
1 / Program increase - additive metals manufacturing						3,000		3,000
1 / Program increase - RPG and IED protection						3,000		3,000
1 / Program increase - modeling and simulation						3,000		3,000
1 / Program increase - structural thermoplastics						3,000		3,000
1 / Program increase - advanced materials development for survivability						10,000		10,000
1 / Program increase - autonomous vehicle mobility						7,500		7,500
<b>02 0602146A Network C3I Technology</b>		<b>114,516</b>				<b>23,500</b>		<b>138,016</b>
<b>FY 2020 Appropriated Base</b>		<b>114,516</b>						<b>114,516</b>
1 / Program increase - radioisotope power systems						2,500		2,500
1 / Program increase - anti-tamper technology development						10,000		10,000
1 / Program increase - next generation synthetic aperture						5,500		5,500
1 / Program increase - small satellite technology						3,000		3,000
1 / Program increase - sensing technologies for rapid hazard detection						2,500		2,500

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 0602147A Long Range Precision Fires Technology</b>		<b>74,327</b>				<b>46,000</b>		<b>120,327</b>
<b>FY 2020 Appropriated Base</b>		<b>74,327</b>						<b>74,327</b>
1 / Program increase - composite cannon tubes and propulsion technology						10,000		10,000
1 / Program increase - hybrid projectile technology						6,000		6,000
1 / Program increase - additive manufacturing to support optimized fires						5,000		5,000
1 / Program increase						20,000		20,000
1 / Program increase - novel printed armament components						8,000		8,000
2 / Underexecution						-3,000		-3,000
<b>02 0602148A Future Verticle Lift Technology</b>		<b>93,601</b>				<b>4,758</b>		<b>98,359</b>
<b>FY 2020 Appropriated Base</b>		<b>93,601</b>						<b>93,601</b>
1 / Program increase - flight control technology safety and survivability						3,000		3,000
1 / Program increase - rotary wing adaptive flight control technology						6,000		6,000
1 / Program increase - technology transfer and innovation						5,000		5,000
2 / A15 next gen tactical UAS demo canceled						-9,242		-9,242
<b>02 0602150A Air and Missile Defense Technology</b>		<b>50,771</b>				<b>45,000</b>		<b>95,771</b>
<b>FY 2020 Appropriated Base</b>		<b>50,771</b>						<b>50,771</b>
1 / Program increase - sustainable energy materials and manufacturing						12,000		12,000
1 / Program increase - high-energy laser hardware in the loop						20,000		20,000
1 / Program increase - COE in high-energy laser and optical technology						3,000		3,000
1 / Program increase - cybersecurity and supply chain risk management						10,000		10,000
<b>02 0602213A C3I Applied Cyber</b>		<b>18,947</b>						<b>18,947</b>
<b>FY 2020 Appropriated Base</b>		<b>18,947</b>						<b>18,947</b>
<b>02 0602785A Manpower/Personnel/Training Technology</b>		<b>20,873</b>						<b>20,873</b>
<b>FY 2020 Appropriated Base</b>		<b>20,873</b>						<b>20,873</b>
<b>02 0602787A Medical Technology</b>		<b>99,155</b>				<b>13,800</b>		<b>112,955</b>
<b>FY 2020 Appropriated Base</b>		<b>99,155</b>						<b>99,155</b>
1 / Program increase - military force vector borne health protection						5,000		5,000
1 / Program increase - heat stress on female soldiers						2,000		2,000
1 / Program increase - burn patient transfer system						2,000		2,000
1 / Program increase - musculoskeletal injury and bone and muscle adaption for military physical training						4,800		4,800
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>893,990</b>				<b>365,384</b>		<b>1,259,374</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Advanced Technology Development</b>								
<b>03 0603002A Medical Advanced Technology</b>		<b>42,030</b>				<b>41,000</b>		<b>83,030</b>
<b>FY 2020 Appropriated Base</b>		<b>42,030</b>						<b>42,030</b>
1 / Program increase - peer-reviewed neurotoxin exposure treatment Parkinson's						16,000		16,000
1 / Program increase - peer-reviewed neurofibromatosis research						15,000		15,000
1 / Program increase - peer-reviewed military burn research						10,000		10,000
<b>03 0603007A Manpower, Personnel and Training Advanced Technology</b>		<b>11,038</b>						<b>11,038</b>
<b>FY 2020 Appropriated Base</b>		<b>11,038</b>						<b>11,038</b>
<b>03 0603117A Army Advanced Technology Development</b>		<b>63,338</b>				<b>3,000</b>		<b>66,338</b>
<b>FY 2020 Appropriated Base</b>		<b>63,338</b>						<b>63,338</b>
1 / Program increase - sensor and wireless communications denial capabilities						3,000		3,000
<b>03 0603118A Soldier Lethality Advanced Technology</b>		<b>118,468</b>				<b>17,500</b>		<b>135,968</b>
<b>FY 2020 Appropriated Base</b>		<b>118,468</b>						<b>118,468</b>
1 / Program increase - subterranean warfighter advanced technology						1,500		1,500
1 / Program increase - rapid safe advanced materials						6,000		6,000
1 / Program increase - multi-spectral sensor mitigation						5,000		5,000
1 / Program increase - helmet pad suspension systems						5,000		5,000



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Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>03 0603119A Ground Advanced Technology</b>		<b>12,593</b>				<b>124,200</b>		<b>136,793</b>
<b>FY 2020 Appropriated Base</b>		<b>12,593</b>						<b>12,593</b>
1 / Program increase - electrical system safety and reliability						5,000		5,000
1 / Program increase - cold regions research						5,000		5,000
1 / Program increase - high-performance concrete technology						5,000		5,000
1 / Program increase - lightweight airfield matting						10,000		10,000
1 / Program increase - secure management of energy generation and storage						3,000		3,000
1 / Program increase - rapid low energy mobile manufacturing						3,000		3,000
1 / Program increase - composite flywheel technology						5,000		5,000
1 / Program increase - lead-acid battery life extension						10,000		10,000
1 / Program increase - anticipating threats to natural systems						6,000		6,000
1 / Program increase - robotic construction equipment						9,700		9,700
1 / Program increase - robotic 4-D printing of geopolymer-based composites						2,000		2,000
1 / Program increase - waste to energy disposal						3,000		3,000
1 / Program increase - advanced polymer development for force protection						4,500		4,500
1 / Program increase - micrometeorological-soil synthetic test environment						1,000		1,000
1 / Program increase - partnership and technology transfer						4,000		4,000
1 / Program increase - sensor systems for underground detection						3,000		3,000
1 / Program increase - Army visual and tactical arctic reconnaissance						2,000		2,000
1 / Program increase - heavy load simulator						6,000		6,000
1 / Program increase - measurement and control of frozen surface properties						4,000		4,000
1 / Program increase - resilient energy systems						2,500		2,500
1 / Program increase - urban subterranean mapping technology						3,000		3,000
1 / Program increase - operations in permafrost environment						4,000		4,000
1 / Program increase - power generation technologies in cold regions						5,000		5,000
1 / Program increase - sensing and prediction of arctic maritime coastal ice conditions						5,000		5,000
1 / Program increase - thermosyphons						2,000		2,000
1 / Program increase - materials and manufacturing technology for cold environments						3,500		3,500
1 / Program increase - energy technology research in cold and arctic regions						4,000		4,000
1 / Program increase - research facility modernization						4,000		4,000

Base for Reprogramming Actions								
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Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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<b>03 0603457A C3I Cyber Advanced Development</b>		<b>13,769</b>				<b>10,000</b>		<b>23,769</b>
<b>FY 2020 Appropriated Base</b>		<b>13,769</b>						<b>13,769</b>
1 / Program increase - high bandwidth cryptomodule enhancements						10,000		10,000
<b>03 0603461A High Performance Computing Modernization Program</b>		<b>184,755</b>				<b>40,000</b>		<b>224,755</b>
<b>FY 2020 Appropriated Base</b>		<b>184,755</b>						<b>184,755</b>
1 / Program increase						40,000		40,000
<b>03 0603462A Next Generation Combat Vehicle Advanced Technology</b>		<b>160,035</b>				<b>100,500</b>		<b>260,535</b>
<b>FY 2020 Appropriated Base</b>		<b>160,035</b>						<b>160,035</b>
1 / Program increase - additive manufacturing for jointless hull						20,000		20,000
1 / Program increase - carbon fiber and graphite foam technology						10,000		10,000
1 / Program increase - hydrogen fuel cells						10,000		10,000
1 / Program increase - ATE5.2 engine development						5,000		5,000
1 / Program increase - additive manufacturing of critical components						5,000		5,000
1 / Program increase - advanced water harvesting technology						5,000		5,000
1 / Program increase - advanced high strength and lightweight steels						3,000		3,000
1 / Program increase - combat vehicle weight reduction initiative						8,000		8,000
1 / Program increase - virtual and physical prototyping						8,000		8,000
1 / Program increase - HMMWV augmented reality system						5,000		5,000
1 / Program increase - health usage monitoring system for HMMWV						3,000		3,000
1 / Program increase - HMMWV autonomy						5,000		5,000
1 / Program increase - HMMWV torque monitoring						2,000		2,000
1 / Program increase - HMMWV automotive enhancements						7,500		7,500
1 / Program increase - additive manufacturing						4,000		4,000
<b>03 0603463A Network C3I Advanced Technology</b>		<b>106,899</b>				<b>36,000</b>		<b>142,899</b>
<b>FY 2020 Appropriated Base</b>		<b>106,899</b>						<b>106,899</b>
1 / Program increase - unmanned aerial systems and aerostat operations						4,000		4,000
1 / Program increase - sensor advanced technology						10,000		10,000
1 / Program increase - assured position, navigation, and timing						9,000		9,000
1 / Program increase - payload and ground segment research and development for small satellite science an security applications						5,000		5,000
1,5 / Program increase - terrain conditions forecasting						3,000		3,000
1,5 / Program increase - environmental sensors for explosives						3,000		3,000
1,5 / Program increase - UAS mounted hostile threat detection						5,000		5,000
2 / Underexecution						-3,000		-3,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
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<b>03 0603464A Long Range Precision Fires Advanced Technology</b>		<b>174,386</b>				<b>15,000</b>		<b>189,386</b>
<b>FY 2020 Appropriated Base</b>		<b>174,386</b>						<b>174,386</b>
1 / Program increase - high energy laser development						5,000		5,000
1 / Program increase - missile rapid demonstration capability						10,000		10,000
<b>03 0603465A Future Vertical Lift Advanced Technology</b>		<b>151,640</b>				<b>23,252</b>		<b>174,892</b>
<b>FY 2020 Appropriated Base</b>		<b>151,640</b>						<b>151,640</b>
1 / Program increase - joint tactical aerial resupply vehicle						6,000		6,000
1 / Program increase - advanced helicopter seating system						5,000		5,000
1 / Program increase - adhesive technology						3,000		3,000
1 / Program increase - helicopter emergency oil systems						2,000		2,000
1 / Program increase - UAV fuel systems enhancements						2,000		2,000
1 / Program increase - surface tolerant advanced adhesives						5,000		5,000
1 / Program increase - ferrium steels for improved drive systems						4,000		4,000
1 / Program increase - Stretch broken composite material forms						8,000		8,000
2 / Al6 next gen tactical UAS demo cancelled						-11,748		-11,748
<b>03 0603466A Air and Missile Defense Advanced Technology</b>		<b>60,613</b>				<b>21,500</b>		<b>82,113</b>
<b>FY 2020 Appropriated Base</b>		<b>60,613</b>						<b>60,613</b>
1 / Program increase - advanced explosion resistant window systems						2,000		2,000
1 / Program increase - silicon carbide power electronics packaging						2,500		2,500
1 / Program increase - enterprise science and technology demonstration prototyping						7,000		7,000
1 / Program increase - high-energy laser development for all-terrain vehicles						10,000		10,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>1,099,564</b>				<b>431,952</b>		<b>1,531,516</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Advanced Component Development &amp; Prototypes</b>								
<b>04 0603305A Army Missile Defense Systems Integration</b>		<b>10,987</b>				<b>48,500</b>		<b>59,487</b>
<b>FY 2020 Appropriated Base</b>		<b>10,987</b>						<b>10,987</b>
1 / Program increase - conventional mission capabilities						3,000		3,000
1 / Program increase - hypersonic advanced technology testbed						15,000		15,000
1 / Program increase - integrated environmental control and power						8,000		8,000
1 / Program increase - pragmatic artificial intelligence and new technology laboratory						7,500		7,500
1 / Program increase - hypersonic testing and related technology development						15,000		15,000
<b>04 0603327A Air and Missile Defense Systems Engineering</b>		<b>15,648</b>				<b>37,332</b>		<b>52,980</b>
<b>FY 2020 Appropriated Base</b>		<b>15,148</b>						<b>15,148</b>
1 / Program increase - artificial intelligence						10,000		10,000
1 / Program increase - accelerating cyber and supply chain resiliency						5,000		5,000
1 / Program increase - artificial intelligence and machine learning						15,000		15,000
1 / Program increase - joint interoperability of integrated air and defense center						15,000		15,000
2 / Excess support costs						-7,668		-7,668
<b>FY 2020 OCO (Title IX)</b>		<b>500</b>						<b>500</b>
<b>04 0603619A Landmine Warfare and Barrier - Adv Dev</b>		<b>92,915</b>				<b>-10,000</b>		<b>82,915</b>
<b>FY 2020 Appropriated Base</b>		<b>92,915</b>						<b>92,915</b>
2 / EK7 area denial capability development contract delay						-10,000		-10,000
<b>04 0603639A Tank and Medium Caliber Ammunition</b>		<b>82,146</b>				<b>-4,450</b>		<b>77,696</b>
<b>FY 2020 Appropriated Base</b>		<b>82,146</b>						<b>82,146</b>
2 / FG1 C-DAEM concurrency						-4,450		-4,450
<b>04 0603645A Armored System Modernization - Adv Dev</b>		<b>157,656</b>				<b>-13,422</b>		<b>144,234</b>
<b>FY 2020 Appropriated Base</b>		<b>157,656</b>						<b>157,656</b>
2 / Prior year carryover						-13,422		-13,422
<b>04 0603747A Soldier Support and Survivability</b>		<b>9,514</b>						<b>9,514</b>
<b>FY 2020 Appropriated Base</b>		<b>6,514</b>						<b>6,514</b>
<b>FY 2020 OCO (Title IX)</b>		<b>3,000</b>						<b>3,000</b>
<b>04 0603766A Tactical Electronic Surveillance System - Adv Dev</b>		<b>34,890</b>				<b>2,600</b>		<b>37,490</b>
<b>FY 2020 Appropriated Base</b>		<b>34,890</b>						<b>34,890</b>
1, / Program increase - ultra-mobile remote ground terminal						10,000		10,000
6								
2 / Advanced miniaturized data acquisition system contract delay						-7,400		-7,400

Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title: Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)							Fiscal Year Program: 2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04	0603774A	Night Vision Systems Advanced Development		251,011				-50,220		200,791
		FY 2020 Appropriated Base		251,011						251,011
	2 /	IVAS insufficient justification						-22,000		-22,000
	2 /	BQ5 capability set 3 unit cost growth						-5,220		-5,220
	2 /	BQ5 funding carryover						-21,500		-21,500
	2 /	VT7 soldier maneuver sensors prior year carryover						-1,500		-1,500
04	0603779A	Environmental Quality Technology - Dem/Val		15,132				4,429		19,561
		FY 2020 Appropriated Base		15,132						15,132
	1 /	Program increase - biopolymers for military infrastructure						3,000		3,000
	1 /	Program increase - protective coatings						5,000		5,000
	2 /	Prior year carryover						-3,571		-3,571
04	0603790A	NATO Research and Development		5,406						5,406
		FY 2020 Appropriated Base		5,406						5,406
04	0603801A	Aviation - Adv Dev		459,290				46,600		505,890
		FY 2020 Appropriated Base		459,290						459,290
	1 /	Program increase - FLRAA						75,600		75,600
	1 /	Program increase - university partnerships						5,000		5,000
	2 /	FARA excess growth						-34,000		-34,000
04	0603804A	Logistics and Engineer Equipment - Adv Dev		7,339						7,339
		FY 2020 Appropriated Base		6,254						6,254
		FY 2020 OCO (Title IX)		1,085						1,085
04	0603807A	Medical Systems - Adv Dev		31,175				5,800		36,975
		FY 2020 Appropriated Base		31,175						31,175
	1 /	Program increase - transport telemedicine						5,800		5,800
04	0603827A	Soldier Systems - Advanced Development		22,113				4,000		26,113
		FY 2020 Appropriated Base		22,113						22,113
	1 /	Program increase - cold weather clothing						4,000		4,000
04	0604017A	Robotics Development		115,222				-30,841		84,381
		FY 2020 Appropriated Base		115,222						115,222
	2 /	RCV phase 2 test funding ahead of need						-3,726		-3,726
	2 /	RCV phase 3 funding ahead of need						-27,115		-27,115
04	0604021A	Electronic Warfare Technology Maturation (MIP)		18,043				5,000		23,043
		FY 2020 Appropriated Base		18,043						18,043
	1 /	Program increase - counter drone RF-signal based targeting						5,000		5,000
04	0604100A	Analysis Of Alternatives		10,023						10,023
		FY 2020 Appropriated Base		10,023						10,023
04	0604113A	Future Tactical Unmanned Aircraft System (FTUAS)		40,745						40,745
		FY 2020 Appropriated Base		40,745						40,745
	1 /	Program increase - air launched effects early systems analysis						10,000		10,000
	2 /	Program adjustment						-5,000		-5,000
	2 /	Air Launched Effects funding early to need						-5,000		-5,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
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Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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<b>04 0604114A Lower Tier Air Missile Defense (LTAMD) Sensor</b>		<b>427,772</b>				<b>-48,000</b>		<b>379,772</b>
<b>FY 2020 Appropriated Base</b>		<b>427,772</b>						<b>427,772</b>
2 / Funds excess to requirement						-48,000		-48,000
<b>04 0604115A Technology Maturation Initiatives</b>		<b>196,676</b>				<b>-17,000</b>		<b>179,676</b>
<b>FY 2020 Appropriated Base</b>		<b>196,676</b>						<b>196,676</b>
2 / Lack of defined schedule						-15,000		-15,000
2 / AX6 validation of APS layered protection funding ahead of need						-2,000		-2,000
<b>04 0604117A Maneuver - Short Range Air Defense (M-SHORAD)</b>		<b>39,100</b>				<b>3,800</b>		<b>42,900</b>
<b>FY 2020 Appropriated Base</b>		<b>33,100</b>						<b>33,100</b>
1 / Program increase - proximity air burst munition						7,500		7,500
2 / Prior year carryover due to test delay						-3,700		-3,700
Transfer from Title IX						6,000		6,000
<b>FY 2020 OCO (Title IX)</b>		<b>6,000</b>						<b>6,000</b>
Transfer to title IV						-6,000		-6,000
<b>04 0604119A Army Advanced Component Development &amp; Prototyping</b>		<b>119,645</b>				<b>-2,310</b>		<b>117,335</b>
<b>FY 2020 Appropriated Base</b>		<b>115,116</b>						<b>115,116</b>
2 / Classified adjustment						-2,310		-2,310
<b>FY 2020 OCO (Title IX)</b>		<b>4,529</b>						<b>4,529</b>
<b>04 0604121A Synthetic Training Environment Refinement &amp; Prototyping</b>		<b>136,761</b>				<b>-33,140</b>		<b>103,621</b>
<b>FY 2020 Appropriated Base</b>		<b>136,761</b>						<b>136,761</b>
2 / SD6 synthetic training environment prior year carryover						-12,500		-12,500
2 / SVI soldier/squad virtual trainer funds excess to lifecycle cost estimate						-20,640		-20,640
<b>04 0604182A Hypersonics</b>		<b>228,000</b>				<b>176,000</b>		<b>404,000</b>
<b>FY 2020 Appropriated Base</b>		<b>228,000</b>						<b>228,000</b>
1 / Program increase						130,000		130,000
1 / Program increase - hypersonic and strategic materials and structures center of excellence						15,000		15,000
Transfer from RDTE,DW line 124						31,000		31,000
<b>04 0604403A Future Interceptor</b>		<b>8,000</b>				<b>-6,000</b>		<b>2,000</b>
<b>FY 2020 Appropriated Base</b>		<b>8,000</b>						<b>8,000</b>
2 / Early to need						-6,000		-6,000
<b>04 0604541A Unified Network Transport</b>		<b>39,600</b>				<b>-9,900</b>		<b>29,700</b>
<b>FY 2020 Appropriated Base</b>		<b>39,600</b>						<b>39,600</b>
2 / Early to need						-9,900		-9,900
<b>04 0604644A Mobile Medium Range Missile</b>		<b>20,000</b>				<b>-15,000</b>		<b>5,000</b>
<b>FY 2020 Appropriated Base</b>		<b>20,000</b>						<b>20,000</b>
2 / Excess to need						-15,000		-15,000

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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<b>04 0604785A</b> Integrated Base Defense (Budget Activity 4)		2,000						2,000
FY 2020 OCO (Title IX)		2,000						2,000
<b>04 0305251A</b> Cyberspace Operations Forces and Force Support		52,102						52,102
FY 2020 Appropriated Base		52,102						52,102
<b>04 1206120A</b> Assured Positioning, Navigation and Timing (PNT)		192,562				-53,452		139,110
FY 2020 Appropriated Base		192,562						192,562
2 / Pseudolites cancellation						-42,452		-42,452
2 / Excess growth						-11,000		-11,000
<b>04 1206308A</b> Army Space Systems Integration		104,996						104,996
FY 2020 Appropriated Base		104,996						104,996
<b>Subtotal Budget Activity 04: Advanced Component Development &amp; Prototypes</b>		2,946,469				40,326		2,986,795

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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<b>Budget Activity 05: Research, Development, Test, and Evaluation, Army</b>								
<b>05 0604201A Aircraft Avionics</b>		<b>29,164</b>				<b>-20,750</b>		<b>8,414</b>
<b>FY 2020 Appropriated Base</b>		<b>29,164</b>						<b>29,164</b>
2 / Degraded visual environment lack of strategy						-14,500		-14,500
2 / Prior year carryover						-6,250		-6,250
<b>05 0604270A Electronic Warfare Development</b>		<b>70,539</b>				<b>-11,000</b>		<b>59,539</b>
<b>FY 2020 Appropriated Base</b>		<b>70,539</b>						<b>70,539</b>
2 / MFEW Phase II excess funding						-11,000		-11,000
<b>05 0604601A Infantry Support Weapons</b>		<b>106,121</b>				<b>-18,942</b>		<b>87,179</b>
<b>FY 2020 Appropriated Base</b>		<b>106,121</b>						<b>106,121</b>
1 / Program increase - cannon life cycle extension program						1,500		1,500
2 / FF2 small arms fire control legacy weapons excess funding						-6,763		-6,763
2 / S63 excess new weapons systems development funding						-4,379		-4,379
2 / S64 CROWS funding excess						-9,300		-9,300
<b>05 0604604A Medium Tactical Vehicles</b>		<b>2,152</b>				<b>-2,152</b>		
<b>FY 2020 Appropriated Base</b>		<b>2,152</b>						<b>2,152</b>
2 / Prior year carryover						-2,152		-2,152
<b>05 0604611A JAVELIN</b>		<b>17,897</b>				<b>-2,900</b>		<b>14,997</b>
<b>FY 2020 Appropriated Base</b>		<b>17,897</b>						<b>17,897</b>
2 / Lightweight CLU delays						-2,900		-2,900
<b>05 0604622A Family of Heavy Tactical Vehicles</b>		<b>16,745</b>				<b>-3,620</b>		<b>13,125</b>
<b>FY 2020 Appropriated Base</b>		<b>16,745</b>						<b>16,745</b>
2 / Prior year carryover						-3,620		-3,620
<b>05 0604633A Air Traffic Control</b>		<b>6,989</b>				<b>-1,208</b>		<b>5,781</b>
<b>FY 2020 Appropriated Base</b>		<b>6,989</b>						<b>6,989</b>
2 / Prior year carryover						-1,208		-1,208
<b>05 0604642A Light Tactical Wheeled Vehicles</b>		<b>10,465</b>				<b>-7,500</b>		<b>2,965</b>
<b>FY 2020 Appropriated Base</b>		<b>10,465</b>						<b>10,465</b>
2 / UAH redesign unjustified request						-7,500		-7,500
<b>05 0604645A Armored Systems Modernization (ASM) - Eng Dev</b>		<b>310,152</b>				<b>-25,016</b>		<b>285,136</b>
<b>FY 2020 Appropriated Base</b>		<b>310,152</b>						<b>310,152</b>
2 / Excess testing and evaluation						-6,188		-6,188
2 / Product development excess growth						-10,000		-10,000
2 / Training aids and devices development ahead of need						-6,468		-6,468
2 / Program management carryover						-2,360		-2,360



Base for Reprogramming Actions										
(Dollars in Thousands)										
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Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)							2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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05	0604710A	Night Vision Systems - Eng Dev		181,732				-38,036		143,696
		FY 2020 Appropriated Base		181,732						181,732
	2 /	Excess IVAS program management						-10,000		-10,000
	2 /	BQ6 excess test funding						-4,500		-4,500
	2 /	BQ6 funding carryover						-11,300		-11,300
	2 /	L67 Enhanced Night Vision Google contract delay						-5,000		-5,000
	2 /	L76 Lightweight Laser Designator Range Finder development funding excess to need						-5,836		-5,836
	2 /	L79 Joint Effects Targeting Systems prior year carryover						-1,400		-1,400
05	0604713A	Combat Feeding, Clothing, and Equipment		2,393				5,000		7,393
		FY 2020 Appropriated Base		2,393						2,393
	1 /	Program increase - icemaking capabilities						5,000		5,000
05	0604715A	Non-System Training Devices - Eng Dev		27,412				3,500		30,912
		FY 2020 Appropriated Base		27,412						27,412
	1 /	Program increase - RF threat emitters for Army combat training centers						3,500		3,500
05	0604741A	Air Defense Command, Control and Intelligence - Eng Dev		43,502				-10,000		33,502
		FY 2020 Appropriated Base		43,502						43,502
	1 /	Program increase - multi-layered tactical protection system						5,000		5,000
	2 /	Historical underexecution						-5,000		-5,000
	2 /	ALPS lack of strategy						-10,000		-10,000
05	0604742A	Constructive Simulation Systems Development		11,636						11,636
		FY 2020 Appropriated Base		11,636						11,636
05	0604746A	Automatic Test Equipment Development		10,915						10,915
		FY 2020 Appropriated Base		10,915						10,915
05	0604760A	Distributive Interactive Simulations (DIS) - Eng Dev		7,801						7,801
		FY 2020 Appropriated Base		7,801						7,801
05	0604768A	Brilliant Anti-Armor Submunition (BAT)		25,000				-5,000		20,000
		FY 2020 Appropriated Base		25,000						25,000
	2 /	PFAL excess						-5,000		-5,000
05	0604780A	Combined Arms Tactical Trainer (CATT) Core		9,241						9,241
		FY 2020 Appropriated Base		9,241						9,241
05	0604798A	Brigade Analysis, Integration and Evaluation		42,634				-4,331		38,303
		FY 2020 Appropriated Base		42,634						42,634
	2 /	RCO support excess						-4,331		-4,331
05	0604802A	Weapons and Munitions - Eng Dev		181,023				5,300		186,323
		FY 2020 Appropriated Base		181,023						181,023
	1 /	Program increase - precision guidance aft						10,000		10,000
	2 /	NGSW small caliber ammo excess growth						-4,700		-4,700

Base for Reprogramming Actions									
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05	0604804A	<b>Logistics and Engineer Equipment - Eng Dev</b>			103,226		4,600		107,826
		<b>FY 2020 Appropriated Base</b>			103,226				103,226
	1 /	Program increase - mobile camouflage net systems					7,000		7,000
	1 /	Program increase - next generation HMMWV shop equipment contact maintenance vehicle					5,000		5,000
	2 /	EJ9 maneuver support vessel light EMD delay					-2,400		-2,400
	2 /	HO2 tactical bridging delays					-5,000		-5,000
05	0604805A	<b>Command, Control, Communications Systems - Eng Dev</b>			12,595				12,595
		<b>FY 2020 Appropriated Base</b>			12,595				12,595
05	0604807A	<b>Medical Materiel/Medical Biological Defense Equipment - Eng Dev</b>			48,264				48,264
		<b>FY 2020 Appropriated Base</b>			48,264				48,264
05	0604808A	<b>Landmine Warfare/Barrier - Eng Dev</b>			39,208		-2,100		37,108
		<b>FY 2020 Appropriated Base</b>			39,208				39,208
	2 /	NGABS unjustified growth					-2,100		-2,100
05	0604818A	<b>Army Tactical Command &amp; Control Hardware &amp; Software</b>			140,637		-10,663		129,974
		<b>FY 2020 Appropriated Base</b>			140,637				140,637
	2 /	EJ5 mounted computing environment prior year carryover					-2,200		-2,200
	2 /	EJ6 tactical enhancement prior year carryover					-1,853		-1,853
	2 /	ER9 command post integrated infrastructure contract delay					-6,610		-6,610
05	0604820A	<b>Radar Development</b>			105,243		-9,523		95,720
		<b>FY 2020 Appropriated Base</b>			105,243				105,243
	2 /	Excess A4 growth and prior year carryover					-9,523		-9,523
05	0604822A	<b>General Fund Enterprise Business System (GFEBS)</b>			46,683		-3,800		42,883
		<b>FY 2020 Appropriated Base</b>			46,683				46,683
	2 /	GFEBS prior year carryover					-3,800		-3,800
05	0604823A	<b>Firefinder</b>			17,294				17,294
		<b>FY 2020 Appropriated Base</b>			17,294				17,294
05	0604827A	<b>Soldier Systems - Warrior Dem/Val</b>			5,803		-1,000		4,803
		<b>FY 2020 Appropriated Base</b>			5,803				5,803
	2 /	Historical underexecution					-1,000		-1,000
05	0604852A	<b>Suite of Survivability Enhancement Systems - EMD</b>			98,698		-13,500		85,198
		<b>FY 2020 Appropriated Base</b>			98,698				98,698
	1 /	Program increase - radar sensor technology					5,000		5,000
	2 /	FE8 laser warning receiver efforts delayed					-5,000		-5,000
	2 /	Abrams V3 test funding excess					-5,000		-5,000
	2 /	Bradley delays					-8,500		-8,500
05	0604854A	<b>Artillery Systems - EMD</b>			15,832		-5,100		10,732
		<b>FY 2020 Appropriated Base</b>			15,832				15,832
	2 /	Mobile howitzer testing early to need					-5,100		-5,100

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(Dollars in Thousands)								
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Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05 0605013A Information Technology Development		126,537				-37,848		88,689
FY 2020 Appropriated Base		126,537						126,537
2 / Historical underexecution						-10,000		-10,000
2 / Accessions information environment contract delay						-5,000		-5,000
2 / HRC accessioning IT unjustified request						-3,848		-3,848
2 / Army training information system unjustified growth						-19,000		-19,000
05 0605018A Integrated Personnel and Pay System-Army (IPPS-A)		142,773				-40,700		102,073
FY 2020 Appropriated Base		142,773						142,773
2 / Prior year carryover						-14,000		-14,000
2 / Program delay due to change in strategy						-26,700		-26,700
05 0605028A Armored Multi-Purpose Vehicle (AMPV)		96,730				-12,900		83,830
FY 2020 Appropriated Base		96,730						96,730
2 / EMD carryover						-8,300		-8,300
2 / Program management excess						-4,600		-4,600
05 0605029A Integrated Ground Security Surveillance Response Capability (IGSSR-C)		6,699						6,699
FY 2020 Appropriated Base		6,699						6,699
05 0605030A Joint Tactical Network Center (JTNC)		15,882						15,882
FY 2020 Appropriated Base		15,882						15,882
05 0605031A Joint Tactical Network (JTN)		40,808						40,808
FY 2020 Appropriated Base		40,808						40,808
05 0605033A Ground-Based Operational Surveillance System - Expeditionary (GBOSS-E)		3,847						3,847
FY 2020 Appropriated Base		3,847						3,847
05 0605034A Tactical Security System (TSS)		6,928						6,928
FY 2020 Appropriated Base		6,928						6,928
05 0605035A Common Infrared Countermeasures (CIRCM)		46,258				-23,079		23,179
FY 2020 Appropriated Base		34,488						34,488
2 / Prototype manufacturing and S&T funding excess						-9,010		-9,010
2 / Test funding carryover						-2,299		-2,299
FY 2020 OCO (Title IX)		11,770						11,770
2 / QRC phase 3 development funding excess						-11,770		-11,770
05 0605036A Combating Weapons of Mass Destruction (CWMD)		10,000						10,000
FY 2020 Appropriated Base		10,000						10,000
05 0605038A Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV) Sensor Suite		6,054						6,054
FY 2020 Appropriated Base		6,054						6,054
05 0605041A Defensive CYBER Tool Development		62,262				-11,600		50,662
FY 2020 Appropriated Base		62,262						62,262
2 / Contract delays						-5,000		-5,000
2 / Excess growth						-6,600		-6,600
05 0605042A Tactical Network Radio Systems (Low-Tier)		35,654				-7,250		28,404
FY 2020 Appropriated Base		35,654						35,654
2 / Excess growth						-7,250		-7,250

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05 0605047A Contract Writing System		19,682				-2,600		17,082
FY 2020 Appropriated Base		19,682						19,682
2 / Prior year carryover						-2,600		-2,600
05 0605049A Missile Warning System Modernization (MWSM)		1,539						1,539
FY 2020 Appropriated Base		1,539						1,539
05 0605051A Aircraft Survivability Development		141,977				-9,500		132,477
FY 2020 Appropriated Base		64,557						64,557
2 / ER7 program delay						-9,500		-9,500
FY 2020 OCO (Title IX)		77,420						77,420
05 0605052A Indirect Fire Protection Capability Inc 2 - Block 1		243,228				-48,862		194,366
FY 2020 Appropriated Base		243,228						243,228
2 / Funds excess to requirement						-48,862		-48,862
05 0605053A Ground Robotics		41,308				-15,204		26,104
FY 2020 Appropriated Base		41,308						41,308
2 / FB4 common robotic system testing preciously funded						-2,400		-2,400
2 / FB6 SMET excess to requirement						-12,804		-12,804
05 0605054A Emerging Technology Initiatives		45,896				-8,200		37,696
FY 2020 Appropriated Base		45,896						45,896
2 / Optical augmentation program canceled						-1,000		-1,000
2 / Unjustified request						-2,200		-2,200
2 / Program management excess						-5,000		-5,000
05 0605203A Army System Development & Demonstration		184,410						184,410
FY 2020 Appropriated Base		164,883						164,883
FY 2020 OCO (Title IX)		19,527						19,527
05 0605450A Joint Air-to-Ground Missile (JAGM)		9,500				-2,915		6,585
FY 2020 Appropriated Base		9,500						9,500
2 / Funds excess to requirement						-2,915		-2,915
05 0605457A Army Integrated Air and Missile Defense (AIAMD)		208,938				-300		208,638
FY 2020 Appropriated Base		208,938						208,938
1 / Program increase - accelerated integration to counter emerging threats						15,000		15,000
2 / Prior year carryover due to test delays						-15,300		-15,300
05 0605625A Manned Ground Vehicle		378,400				-172,780		205,620
FY 2020 Appropriated Base		378,400						378,400
1 / Program increase - tactical communications						3,500		3,500
Excess to Need						-176,280		-176,280
05 0605766A National Capabilities Integration (MIP)		7,835						7,835
FY 2020 Appropriated Base		7,835						7,835

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
05	0605812A		2,732				4,500	7,232
	Joint Light Tactical Vehicle (JLTV) Engineering and Manufacturing Development Ph							
	FY 2020 Appropriated Base		2,732					2,732
	Army requested transfer from OP,A line 6						4,500	4,500
05	0605830A		1,664					1,664
	Aviation Ground Support Equipment							
	FY 2020 Appropriated Base		1,664					1,664
05	0303032A		3,936					3,936
	TROJAN - RH12							
	FY 2020 Appropriated Base		3,936					3,936
05	0304270A		22,875				-4,443	18,432
	Electronic Warfare Development							
	FY 2020 Appropriated Base		19,675					19,675
2 /	Excess growth						-4,443	-4,443
	FY 2020 OCO (Title IX)		3,200					3,200
Subtotal Budget Activity 05: Research, Development, Test, and Evaluation, Army			3,661,348				-571,422	3,089,926

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: RDT&amp;E Management Support</b>								
<b>06 0604256A</b>								
Threat Simulator Development		14,117				28,000		42,117
FY 2020 Appropriated Base		14,117						14,117
1 / Program increase - cyber threat and vulnerability assessments						10,000		10,000
1 / Program increase - cyber threat simulation enhancement initiative						3,000		3,000
1 / Program increase - cybersecurity operations center						15,000		15,000
<b>06 0604258A</b>								
Target Systems Development		8,327				20,000		28,327
FY 2020 Appropriated Base		8,327						8,327
1 / Program increase - UAS swarm threat and mitigation						20,000		20,000
<b>06 0604759A</b>								
Major T&E Investment		136,565				10,000		146,565
FY 2020 Appropriated Base		136,565						136,565
1 / Program increase - high-powered microwave test and evaluation assets						10,000		10,000
<b>06 0605103A</b>								
Rand Arroyo Center		13,113						13,113
FY 2020 Appropriated Base		13,113						13,113
<b>06 0605301A</b>								
Army Kwajalein Atoll		238,691						238,691
FY 2020 Appropriated Base		238,691						238,691
<b>06 0605326A</b>								
Concepts Experimentation Program		42,922				-6,000		36,922
FY 2020 Appropriated Base		42,922						42,922
2 / Excess growth						-6,000		-6,000
<b>06 0605601A</b>								
Army Test Ranges and Facilities		334,468				2,000		336,468
FY 2020 Appropriated Base		334,468						334,468
1 / Program increase - soil research for Army training ranges						2,000		2,000
<b>06 0605602A</b>								
Army Technical Test Instrumentation and Targets		46,974				15,000		61,974
FY 2020 Appropriated Base		46,974						46,974
1 / Program increase - space and missile cyber security						15,000		15,000
<b>06 0605604A</b>								
Survivability/Lethality Analysis		35,075						35,075
FY 2020 Appropriated Base		35,075						35,075
<b>06 0605606A</b>								
Aircraft Certification		3,461						3,461
FY 2020 Appropriated Base		3,461						3,461
<b>06 0605702A</b>								
Meteorological Support to RDT&E Activities		6,233						6,233
FY 2020 Appropriated Base		6,233						6,233
<b>06 0605706A</b>								
Materiel Systems Analysis		21,342						21,342
FY 2020 Appropriated Base		21,342						21,342
<b>06 0605709A</b>								
Exploitation of Foreign Items		11,168						11,168
FY 2020 Appropriated Base		11,168						11,168
<b>06 0605712A</b>								
Support of Operational Testing		52,723						52,723
FY 2020 Appropriated Base		52,723						52,723
<b>06 0605716A</b>								
Army Evaluation Center		60,815						60,815
FY 2020 Appropriated Base		60,815						60,815

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
06 0605718A Army Modeling & Sim X-Cmd Collaboration & Integ		2,527						2,527
FY 2020 Appropriated Base		2,527						2,527
06 0605801A Programwide Activities		58,175						58,175
FY 2020 Appropriated Base		58,175						58,175
06 0605803A Technical Information Activities		25,060				5,000		30,060
FY 2020 Appropriated Base		25,060						25,060
1 / Program increase - Army geospatial enterprise for integrating emerging 3D geospatial information						5,000		5,000
06 0605805A Munitions Standardization, Effectiveness and Safety		44,458				10,000		54,458
FY 2020 Appropriated Base		44,458						44,458
1 / Program increase - industrial base resiliency activities						5,000		5,000
1 / Program increase - neutron radiography technologies						5,000		5,000
06 0605857A Environmental Quality Technology Mgmt Support		4,681						4,681
FY 2020 Appropriated Base		4,681						4,681
06 0605898A Army Direct Report Headquarters - R&D - MHA		53,820						53,820
FY 2020 Appropriated Base		53,820						53,820
06 0606001A Military Ground-Based CREW Technology		4,291				-2,150		2,141
FY 2020 Appropriated Base		4,291						4,291
2 / Prior year carryover						-2,150		-2,150
06 0606002A Ronald Reagan Ballistic Missile Defense Test Site		62,069						62,069
FY 2020 Appropriated Base		62,069						62,069
06 0606003A CounterIntel and Human Intel Modernization		2,925						2,925
FY 2020 Appropriated Base		1,050						1,050
FY 2020 OCO (Title IX)		1,875						1,875
06 0606942A Assessments and Evaluations Cyber Vulnerabilities		4,500						4,500
FY 2020 Appropriated Base		4,500						4,500
Subtotal Budget Activity 06: RDT&E Management Support		1,288,500				81,850		1,370,350

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Operational Systems Development</b>								
<b>07 0603778A MLRS Product Improvement Program</b>		22,877				-8,262		14,615
<b>FY 2020 Appropriated Base</b>		22,877						22,877
2 / HIMARS excess growth						-5,262		-5,262
2 / Prior year carryover						-3,000		-3,000
<b>07 0605024A Anti-Tamper Technology Support</b>		8,491						8,491
<b>FY 2020 Appropriated Base</b>		8,491						8,491
<b>07 0607131A Weapons and Munitions Product Improvement Programs</b>		15,645						15,645
<b>FY 2020 Appropriated Base</b>		15,645						15,645
<b>07 0607134A Long Range Precision Fires (LRPF)</b>		164,182				-7,500		156,682
<b>FY 2020 Appropriated Base</b>		164,182						164,182
2 / Excess growth						-7,500		-7,500
<b>07 0607136A Blackhawk Product Improvement Program</b>		13,039				10,000		23,039
<b>FY 2020 Appropriated Base</b>		13,039						13,039
1 / Program increase - SATCOM technology						10,000		10,000
<b>07 0607137A Chinook Product Improvement Program</b>		174,371				-2,900		171,471
<b>FY 2020 Appropriated Base</b>		174,371						174,371
1 / Program increase - Block II lightweight improvements						6,500		6,500
1, / Program increase - expandable rotorcraft diagnostics						3,300		3,300
7								
2 / Program excess						-2,700		-2,700
2 / EMD unjustified growth						-10,000		-10,000
<b>07 0607138A Fixed Wing Product Improvement Program</b>		4,545				-4,545		
<b>FY 2020 Appropriated Base</b>		4,545						4,545
2 / Prior year carryover						-4,545		-4,545
<b>07 0607139A Improved Turbine Engine Program</b>		206,434						206,434
<b>FY 2020 Appropriated Base</b>		206,434						206,434
<b>07 0607142A Aviation Rocket System Product Improvement and Development</b>		24,221				-22,294		1,927
<b>FY 2020 Appropriated Base</b>		24,221						24,221
2 / Integrated munitions launcher early to need						-19,203		-19,203
2 / Prior year carryover						-3,091		-3,091
<b>07 0607143A Unmanned Aircraft System Universal Products</b>		32,016				-13,884		18,132
<b>FY 2020 Appropriated Base</b>		32,016						32,016
2 / Prior year carryover						-13,884		-13,884
<b>07 0607145A Apache Future Development</b>		5,448						5,448
<b>FY 2020 Appropriated Base</b>		5,448						5,448
<b>07 0607312A Army Operational Systems Development</b>		49,526				-4,500		45,026
<b>FY 2020 Appropriated Base</b>		49,526						49,526
2 / Classified adjustment						-4,500		-4,500
<b>07 0607665A Family of Biometrics</b>		1,702						1,702
<b>FY 2020 Appropriated Base</b>		1,702						1,702



Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title: Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)							Fiscal Year Program: 2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0607865A	Patriot Product Improvement		96,430				-9,000		87,430
		FY 2020 Appropriated Base		96,430						96,430
	2 /	Excess growth						-9,000		-9,000
07	0203728A	Joint Automated Deep Operation Coordination System (JADOCs)		47,398						47,398
		FY 2020 Appropriated Base		47,398						47,398
07	0203735A	Combat Vehicle Improvement Programs		334,463				-56,830		277,633
		FY 2020 Appropriated Base		334,463						334,463
	2 /	Program support excess growth						-2,000		-2,000
	2 /	Bradley fleet enhancements early to need						-41,918		-41,918
	2 /	Stryker ECP2 carryover						-10,200		-10,200
	2 /	Stryker program management carryover						-2,712		-2,712
07	0203743A	155mm Self-Propelled Howitzer Improvements		214,246				-14,972		199,274
		FY 2020 Appropriated Base		214,246						214,246
	2 /	Funding excess to requirement						-4,972		-4,972
	2 /	Prior year carryover						-10,000		-10,000
07	0203744A	Aircraft Modifications/Product Improvement Programs		16,486				-7,208		9,278
		FY 2020 Appropriated Base		16,486						16,486
	2 /	GPS and survivability previously funded						-4,500		-4,500
	2 /	Prior year carryover						-2,708		-2,708
07	0203752A	Aircraft Engine Component Improvement Program		144						144
		FY 2020 Appropriated Base		144						144
07	0203758A	Digitization		5,270						5,270
		FY 2020 Appropriated Base		5,270						5,270
07	0203801A	Missile/Air Defense Product Improvement Program		1,287						1,287
		FY 2020 Appropriated Base		1,287						1,287
07	0205412A	Environmental Quality Technology - Operational System Dev		732				9,268		10,000
		FY 2020 Appropriated Base		732						732
	1 /	Program increase - securing the availability of green, enhanced coatings						10,000		10,000
	2 /	Prior year carryover						-732		-732
07	0205456A	Lower Tier Air and Missile Defense (AMD) System		107,746				-10,000		97,746
		FY 2020 Appropriated Base		107,746						107,746
	2 /	Testing excess to need						-10,000		-10,000
07	0205778A	Guided Multiple-Launch Rocket System (GMLRS)		138,594				-21,300		117,294
		FY 2020 Appropriated Base		138,594						138,594
	2 /	Testing excess to need						-10,000		-10,000
	2 /	Extended range development contract delay						-11,300		-11,300
07	0303028A	Security and Intelligence Activities		36,749				-10,000		26,749
		FY 2020 Appropriated Base		13,845						13,845
		FY 2020 OCO (Title IX)		22,904						22,904
	2 /	Unjustified increase						-10,000		-10,000

Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title: Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)							Fiscal Year Program: 2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0303140A	Information Systems Security Program		29,185				-3,475		25,710
		FY 2020 Appropriated Base		29,185						29,185
	2 /	DV4 next generation load device funding ahead of need						-1,500		-1,500
	2 /	DV5 crypto modernization prior year carryover						-1,975		-1,975
07	0303141A	Global Combat Support System		68,976				-8,900		60,076
		FY 2020 Appropriated Base		68,976						68,976
	2 /	Excess to need						-2,400		-2,400
	2 /	Inc 2 test funding ahead of need						-6,500		-6,500
07	0303150A	WWMCCS/Global Command and Control System		2,073						2,073
		FY 2020 Appropriated Base		2,073						2,073
07	0305179A	Integrated Broadcast Service (IBS)		459						459
		FY 2020 Appropriated Base		459						459
07	0305204A	Tactical Unmanned Aerial Vehicles		39,197				-17,050		22,147
		FY 2020 Appropriated Base		5,097						5,097
		FY 2020 OCO (Title IX)		34,100						34,100
	2 /	Duplicative research and development efforts						-17,050		-17,050
07	0305206A	Airborne Reconnaissance Systems		25,177				-12,000		13,177
		FY 2020 Appropriated Base		11,177						11,177
		FY 2020 OCO (Title IX)		14,000						14,000
	2 /	Prior year carryover						-12,000		-12,000
07	0305208A	Distributed Common Ground/Surface Systems		38,121				-9,300		28,821
		FY 2020 Appropriated Base		38,121						38,121
	2 /	CD2 contract delay						-6,300		-6,300
	2 /	Test funding excess growth						-3,000		-3,000
07	0305232A	RQ-11 UAV		3,218						3,218
		FY 2020 Appropriated Base		3,218						3,218
07	0305233A	RQ-7 UAV		7,817						7,817
		FY 2020 Appropriated Base		7,817						7,817
07	0307665A	Biometrics Enabled Intelligence		4,214						4,214
		FY 2020 Appropriated Base		2,000						2,000
		FY 2020 OCO (Title IX)		2,214						2,214
07	0708045A	End Item Industrial Preparedness Activities		59,848				48,500		108,348
		FY 2020 Appropriated Base		59,848						59,848
	1 /	Program increase - technical textiles						5,000		5,000
	1 /	Program increase - nanoscale materials manufacturing						12,500		12,500
	1 /	Program increase - glass separators for lithium batteries						5,000		5,000
	1 /	Program increase - additive manufacturing technology insertion						5,000		5,000
	1 /	Program increase - power take-off hybridization						7,000		7,000
	1 /	Program increase - tungsten manufacturing affordability initiative for armaments						5,000		5,000
	1 /	Program increase - manufacturing technology program						5,000		5,000
	1 /	Program increase - transparent armor						4,000		4,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Army , 2020/2021 (2040A)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07 1203142A SATCOM Ground Environment (SPACE)		34,169						34,169
FY 2020 Appropriated Base		34,169						34,169
07 1208053A Joint Tactical Ground System		10,275				-2,598		7,677
FY 2020 Appropriated Base		10,275						10,275
2 / Prior year carryover						-2,598		-2,598
07 999999999 Classified Programs		7,273						7,273
FY 2020 Appropriated Base		7,273						7,273
07 0305219A MQ-1C Gray Eagle						5,000		5,000
FY 2020 Appropriated Base								
1 / Program increase - additional sensor development						5,000		5,000
<b>Subtotal Budget Activity 07: Operational Systems Development</b>		<b>2,052,044</b>				<b>-173,750</b>		<b>1,878,294</b>
<b>Grand Total Research, Development, Test, and Evaluation, Army , 2020/2021</b>		<b>12,396,895</b>				<b>293,844</b>		<b>12,690,739</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		12,192,771				350,664		12,543,435
APPROPRIATION, P.L. 116-93 (OCO)		204,124				-56,820		147,304
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>12,396,895</b>				<b>293,844</b>		<b>12,690,739</b>
<b>Footnotes:</b> <p>1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.</p> <p>2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.</p> <p>4 / This item reflects an adjustment to realign a congressionally modified item. Transfer to BA02 PE 0602146A (Network C3I Technology) for execution from BA02 PE 0602144A (Ground Technology). The adjustment does not change the purpose for which the funds were appropriated.</p> <p>5 / This item reflects an adjustment to realign a congressionally modified item. Transfer to BA03 PE 0603463A (Network C3I Advanced Technology) for execution from BA03 PE 0603119A (Ground Advanced Technology). The adjustment does not change the purpose for which the funds were appropriated.</p> <p>6 / This item reflects an adjustment to realign a congressionally modified item. Transfer to BA04 PE 0603766A (Tactical Electronic Surveillance System - Adv Dev) for execution from BA05 PE 0604818A (Army Tactical Command &amp; Control Hardware &amp; Software). The adjustment does not change the purpose for which the funds were appropriated.</p> <p>7 / This item reflects an adjustment to realign a congressionally modified item. Transfer to BA07 PE 0607137A (Chinook Product Improvement Program) for execution from BA06 PE 0605602A (Army Technical Test Instrumentation and Targets). The adjustment does not change the purpose for which the funds were appropriated.</p> <p>For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.</p>								

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Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Military Personnel, Navy, 2020/2020 (1453N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Pay and Allowances of Officers</b>		8,759,123				-25,000		8,734,123
FY 2020 Appropriated Base		8,632,047						8,632,047
Historical unobligated balances						-20,000		-20,000
Rate adjustments						-5,000		-5,000
FY 2020 OCO (Title IX)		127,076						127,076
<b>Subtotal Budget Activity 01: Pay and Allowances of Officers</b>		8,759,123				-25,000		8,734,123
<b>Budget Activity 02: Pay And Allowances Of Enlisted Personnel</b>		21,028,114				-25,000		21,003,114
FY 2020 Appropriated Base		20,846,852						20,846,852
Historical unobligated balances						-12,300		-12,300
Rate adjustments						-12,700		-12,700
FY 2020 OCO (Title IX)		181,262						181,262
<b>Subtotal Budget Activity 02: Pay And Allowances Of Enlisted Personnel</b>		21,028,114				-25,000		21,003,114
<b>Budget Activity 03: Pay And Allowances Of Cadets</b>		85,203						85,203
FY 2020 Appropriated Base		85,203						85,203
<b>Subtotal Budget Activity 03: Pay And Allowances Of Cadets</b>		85,203						85,203
<b>Budget Activity 04: Subsistence of Enlisted Personnel</b>		1,304,937				-40,000		1,264,937
FY 2020 Appropriated Base		1,272,785						1,272,785
Historical unobligated balances						-40,000		-40,000
FY 2020 OCO (Title IX)		32,152						32,152
<b>Subtotal Budget Activity 04: Subsistence of Enlisted Personnel</b>		1,304,937				-40,000		1,264,937
<b>Budget Activity 05: Permanent Change of Station Travel</b>		888,045				-17,700		870,345
FY 2020 Appropriated Base		879,457						879,457
Historical unobligated balances						-17,700		-17,700
FY 2020 OCO (Title IX)		8,588						8,588
<b>Subtotal Budget Activity 05: Permanent Change of Station Travel</b>		888,045				-17,700		870,345
<b>Budget Activity 06: Other Military Personnel Costs</b>		122,169				-13,068		109,101
FY 2020 Appropriated Base		114,855						114,855
1 / Program increase for Junior ROTC						270		270
1 / Program increase for ROTC						800		800
Historical unobligated balances						-14,138		-14,138
FY 2020 OCO (Title IX)		7,314						7,314
<b>Subtotal Budget Activity 06: Other Military Personnel Costs</b>		122,169				-13,068		109,101
<b>Grand Total Military Personnel, Navy, 2020/2020</b>		32,187,591				-120,768		32,066,823
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		31,831,199				-120,768		31,710,431
APPROPRIATION, P.L. 116-93 (OCO)		356,392						356,392
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		32,187,591				-120,768		32,066,823
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Military Personnel, Marine Corps, 2020/2020 (1105N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Pay and Allowances of Officers</b>		3,166,554						3,166,554
FY 2020 Appropriated Base		3,120,929						3,120,929
FY 2020 OCO (Title IX)		45,625						45,625
<b>Subtotal Budget Activity 01: Pay and Allowances of Officers</b>		3,166,554						3,166,554
<b>Budget Activity 02: Pay And Allowances Of Enlisted Personnel</b>		9,797,222				-40,000		9,757,222
FY 2020 Appropriated Base		9,741,922						9,741,922
Historical unobligated balances						-40,000		-40,000
FY 2020 OCO (Title IX)		55,300						55,300
<b>Subtotal Budget Activity 02: Pay And Allowances Of Enlisted Personnel</b>		9,797,222				-40,000		9,757,222
<b>Budget Activity 04: Subsistence of Enlisted Personnel</b>		819,915				-21,615		798,300
FY 2020 Appropriated Base		817,280						817,280
Historical unobligated balances						-8,112		-8,112
Rate adjustments						-13,503		-13,503
FY 2020 OCO (Title IX)		2,635						2,635
<b>Subtotal Budget Activity 04: Subsistence of Enlisted Personnel</b>		819,915				-21,615		798,300
<b>Budget Activity 05: Permanent Change of Station Travel</b>		443,707				-8,000		435,707
FY 2020 Appropriated Base		443,707						443,707
Historical unobligated balances						-3,003		-3,003
Rate adjustments						-4,997		-4,997
<b>Subtotal Budget Activity 05: Permanent Change of Station Travel</b>		443,707				-8,000		435,707
<b>Budget Activity 06: Other Military Personnel Costs</b>		52,026				-6,930		45,096
FY 2020 Appropriated Base		51,373						51,373
1 / Program increase Junior ROTC						70		70
Historical unobligated balances						-7,000		-7,000
FY 2020 OCO (Title IX)		653						653
<b>Subtotal Budget Activity 06: Other Military Personnel Costs</b>		52,026				-6,930		45,096
<b>Grand Total Military Personnel, Marine Corps, 2020/2020</b>		14,279,424				-76,545		14,202,879
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		14,175,211				-76,545		14,098,666
APPROPRIATION, P.L. 116-93 (OCO)		104,213						104,213
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		14,279,424				-76,545		14,202,879
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Reserve Personnel, Navy, 2020/2020 (1405N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>2,135,317</b>				<b>-7,950</b>		<b>2,127,367</b>
<b>FY 2020 Appropriated Base</b>		<b>2,123,947</b>						<b>2,123,947</b>
Historical unobligated balances						-5,510		-5,510
Rate adjustments						-2,440		-2,440
<b>FY 2020 OCO (Title IX)</b>		<b>11,370</b>						<b>11,370</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>2,135,317</b>				<b>-7,950</b>		<b>2,127,367</b>
<b>Grand Total Reserve Personnel, Navy, 2020/2020</b>		<b>2,135,317</b>				<b>-7,950</b>		<b>2,127,367</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		2,123,947				-7,950		2,115,997
APPROPRIATION, P.L. 116-93 (OCO)		11,370						11,370
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>2,135,317</b>				<b>-7,950</b>		<b>2,127,367</b>
Footnotes:								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Reserve Personnel, Marine Corps, 2020/2020 (1108N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>842,453</b>				<b>-5,250</b>		<b>837,203</b>
<b>FY 2020 Appropriated Base</b>		<b>838,854</b>						<b>838,854</b>
Historical unobligated balances						-4,250		-4,250
Rate adjustments						-1,000		-1,000
<b>FY 2020 OCO (Title IX)</b>		<b>3,599</b>						<b>3,599</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>842,453</b>				<b>-5,250</b>		<b>837,203</b>
<b>Grand Total Reserve Personnel, Marine Corps, 2020/2020</b>		<b>842,453</b>				<b>-5,250</b>		<b>837,203</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		838,854				-5,250		833,604
APPROPRIATION, P.L. 116-93 (OCO)		3,599						3,599
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>842,453</b>				<b>-5,250</b>		<b>837,203</b>
Footnotes:								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Navy , 2020/2020 (1804N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>48,972,953</b>				<b>-558,942</b>		<b>48,414,011</b>
<b>FY 2020 Appropriated Base</b>		<b>17,618,565</b>						<b>17,618,565</b>
1 / Program increase - Asia Pacific Regional Initiative						4,800		4,800
1 / Program increase - Public Law 115-68 Implementation at Combatant Commands						400		400
1 / Program increase - childcare programs						20,000		20,000
1 / Program increase - enduring posture site assessments						2,500		2,500
INDOPACOM								
1 / Program increase - life and safety at public shipyards						20,000		20,000
1 / Program increase - river maintenance dredging						3,000		3,000
2 / Excess civilian increase						-2,000		-2,000
Classified adjustment						-3,100		-3,100
Excess increase						-1,200		-1,200
Historical unobligation						-89,151		-89,151
Insufficient justification						-29,037		-29,037
Overestimation of Civilian FTE Targets						-23,268		-23,268
Projected underexecution						-122,000		-122,000
Removal of one-time Fiscal Year 2019 increase						-84,031		-84,031
Transfer from title IX						23,355,004		23,355,004
Transfer to OP,N line 23x for Pacific Fleet ship maintenance pilot program						-1,000,000		-1,000,000
Unjustified growth						-169,000		-169,000
Unjustified growth						-100,000		-100,000
4 / Navy O&M								
<b>FY 2020 OCO (Title IX)</b>		<b>31,354,388</b>						<b>31,354,388</b>
1 / Program increase - U.S.S. Boise						405,000		405,000
1 / Program increase - U.S.S. Columbus						110,000		110,000
1 / Program increase - U.S.S. Hartford						110,000		110,000
Program transfer to base budget unaccounted for						-13,000		-13,000
Remove one-time fiscal year 2019 increase						-25,855		-25,855
Transfer to OCO								
Transfer to title II						-23,355,004		-23,355,004
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						427,000		427,000
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>48,972,953</b>				<b>-558,942</b>		<b>48,414,011</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Navy , 2020/2020 (1804N)						2020		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Mobilization</b>		1,740,238				-240,372		1,499,866
<b>FY 2020 Appropriated Base</b>		1,532,658						1,532,658
Historical unobligation						-3,596		-3,596
Overestimation of Civilian FTE Targets						-7		-7
Removal of one-time Fiscal Year 2019 increase						-1,624		-1,624
Unjustified growth						-45,000		-45,000
<b>FY 2020 OCO (Title IX)</b>		207,580						207,580
Coast Guard funded in Department of Homeland Security						-190,000		-190,000
Remove one-time fiscal year 2019 increase						-145		-145
<b>Subtotal Budget Activity 02: Mobilization</b>		1,740,238				-240,372		1,499,866
<b>Budget Activity 03: Training and Recruiting</b>		2,158,204				-16,885		2,141,319
<b>FY 2020 Appropriated Base</b>		2,106,043						2,106,043
1 / Program increase - Sea Cadets						4,300		4,300
1 / Training for Gaps in Emerging Technologies						3,000		3,000
Historical unobligation						-1,687		-1,687
Insufficient justification						-15,000		-15,000
Transfer to the John C. Stennis Center (Section 8069)								
Overestimation of Civilian FTE Targets						-1,945		-1,945
Program increase						300		300
Removal of one-time Fiscal Year 2019 increase						-5,853		-5,853
<b>FY 2020 OCO (Title IX)</b>		52,161						52,161
<b>Subtotal Budget Activity 03: Training and Recruiting</b>		2,158,204				-16,885		2,141,319
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		4,463,962				-49,313		4,414,649
<b>FY 2020 Appropriated Base</b>		4,343,408						4,343,408
2 / Excess civilian growth						-3,000		-3,000
Classified adjustment						4,525		4,525
Historical unobligation						-15,962		-15,962
Overestimation of Civilian FTE Targets						-4,384		-4,384
Removal of one-time Fiscal Year 2019 increase						-8,492		-8,492
Transfer from title IX						3,300		3,300
Unjustified growth						-22,000		-22,000
<b>FY 2020 OCO (Title IX)</b>		120,554						120,554
Classified adjustment						-3,300		-3,300
Transfer to OCO								
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		4,463,962				-49,313		4,414,649
<b>Grand Total Operation and Maintenance, Navy , 2020/2020</b>		57,335,357				-865,512		56,469,845

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Operation and Maintenance, Navy , 2020/2020 (1804N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		25,600,674				21,669,792		47,270,466
APPROPRIATION, P.L. 116-93 (OCO)		31,734,683				-22,962,304		8,772,379
APPROPRIATION, P.L. 116-93 (Title X)						427,000		427,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>57,335,357</b>				<b>-865,512</b>		<b>56,469,845</b>

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.
- 4 / The following line items have been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of these lines for Title II and Title IX (OCO) funds: Mission and Other Flight Operations; Fleet Air Training; Aircraft Depot Maintenance; Mission and Other Ship Operations; Ship Depot Maintenance; and Facilities Sustainment, Restoration, and Modernization.

For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Navy, 2020/XXXX (1804NX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 02: Mobilization		352,044						352,044
FY 2020 Appropriated Base		352,044						352,044
Subtotal Budget Activity 02: Mobilization		352,044						352,044
Grand Total Operation and Maintenance, Navy, 2020/XXXX		352,044						352,044
<i>Financing</i>  APPROPRIATION, P.L. 116-93 (Base)		352,044						352,044
TOTAL FINANCING - FY 2020 PROGRAM		352,044						352,044
Footnotes:								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Marine Corps , 2020/2020 (1106N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>7,624,366</b>				<b>322,000</b>		<b>7,946,366</b>
<b>FY 2020 Appropriated Base</b>		<b>2,597,855</b>						<b>2,597,855</b>
1 / Program increase - AFFF requirements						10,000		10,000
1 / Program increase - Marine hearing enhancement and protection						10,000		10,000
1 / Program increase - childcare programs						20,000		20,000
2 / Excess civilian growth						-2,000		-2,000
Historical unobligation						-11,000		-11,000
Transfer from title IX						3,998,679		3,998,679
Unjustified growth						-84,000		-84,000
4 / MC (O&M)								
<b>FY 2020 OCO (Title IX)</b>		<b>5,026,511</b>						<b>5,026,511</b>
Program increase unaccounted for						-15,000		-15,000
Transfer to title II						-3,998,679		-3,998,679
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						394,000		394,000
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>7,624,366</b>				<b>322,000</b>		<b>7,946,366</b>
<b>Budget Activity 03: Training and Recruiting</b>		<b>894,346</b>				<b>1,400</b>		<b>895,746</b>
<b>FY 2020 Appropriated Base</b>		<b>863,887</b>						<b>863,887</b>
1 / Program increase - general intelligence training						5,000		5,000
2 / Excess civilian growth						-1,300		-1,300
Unjustified increase						-2,300		-2,300
<b>FY 2020 OCO (Title IX)</b>		<b>30,459</b>						<b>30,459</b>
<b>Subtotal Budget Activity 03: Training and Recruiting</b>		<b>894,346</b>				<b>1,400</b>		<b>895,746</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>532,803</b>				<b>-2,656</b>		<b>530,147</b>
<b>FY 2020 Appropriated Base</b>		<b>466,303</b>						<b>466,303</b>
2 / Classified adjustment						-1,306		-1,306
2 / Excess civilian growth						-750		-750
Unjustified growth						-600		-600
<b>FY 2020 OCO (Title IX)</b>		<b>66,500</b>						<b>66,500</b>
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>532,803</b>				<b>-2,656</b>		<b>530,147</b>
<b>Grand Total Operation and Maintenance, Marine Corps , 2020/2020</b>		<b>9,051,515</b>				<b>320,744</b>		<b>9,372,259</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Marine Corps , 2020/2020 (1106N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Financing								
APPROPRIATION, P.L. 116-93 (Base)		3,928,045				3,940,423		7,868,468
APPROPRIATION, P.L. 116-93 (OCO)		5,123,470				-4,013,679		1,109,791
APPROPRIATION, P.L. 116-93 (Title X)						394,000		394,000
TOTAL FINANCING - FY 2020 PROGRAM		9,051,515				320,744		9,372,259
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
4 / The following line items have been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of these lines for Title II and Title IX (OCO) funds: Operational Forces; Field Logistics; Depot Maintenance; and Facilities Sustainment, Restoration, and Modernization.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Navy Reserve , 2020/2020 (1806N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>1,130,543</b>				<b>-22,500</b>		<b>1,108,043</b>
<b>FY 2020 Appropriated Base</b>		<b>243,675</b>						<b>243,675</b>
Projected underexecution						-22,500		-22,500
Transfer from title IX						863,832		863,832
<b>FY 2020 OCO (Title IX)</b>		<b>886,868</b>						<b>886,868</b>
Transfer to title II						-863,832		-863,832
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>1,130,543</b>				<b>-22,500</b>		<b>1,108,043</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>17,609</b>						<b>17,609</b>
<b>FY 2020 Appropriated Base</b>		<b>17,609</b>						<b>17,609</b>
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>17,609</b>						<b>17,609</b>
<b>Grand Total Operation and Maintenance, Navy Reserve , 2020/2020</b>		<b>1,148,152</b>				<b>-22,500</b>		<b>1,125,652</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		261,284				841,332		1,102,616
APPROPRIATION, P.L. 116-93 (OCO)		886,868				-863,832		23,036
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>1,148,152</b>				<b>-22,500</b>		<b>1,125,652</b>
<b>Footnotes:</b>								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Marine Corps Reserve, 2020/2020 (1107N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>287,209</b>				<b>-2,500</b>		<b>284,709</b>
<b>FY 2020 Appropriated Base</b>		<b>47,516</b>						<b>47,516</b>
Excess growth						-2,500		-2,500
Transfer from title IX						230,986		230,986
<b>FY 2020 OCO (Title IX)</b>		<b>239,693</b>						<b>239,693</b>
Transfer to title II						-230,986		-230,986
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>287,209</b>				<b>-2,500</b>		<b>284,709</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>13,574</b>				<b>-500</b>		<b>13,074</b>
<b>FY 2020 Appropriated Base</b>		<b>13,574</b>						<b>13,574</b>
2 / Excess civilian growth						-500		-500
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>13,574</b>				<b>-500</b>		<b>13,074</b>
<b>Grand Total Operation and Maintenance, Marine Corps Reserve, 2020/2020</b>		<b>300,783</b>				<b>-3,000</b>		<b>297,783</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		61,090				227,986		289,076
APPROPRIATION, P.L. 116-93 (OCO)		239,693				-230,986		8,707
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>300,783</b>				<b>-3,000</b>		<b>297,783</b>
<b>Footnotes:</b>  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Environmental Restoration Accounts, Navy, 2020/XXXX (0810NX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Department Of The Navy</b>		<b>335,932</b>				<b>49,068</b>		<b>385,000</b>
<b>FY 2020 Appropriated Base</b>		<b>335,932</b>						<b>335,932</b>
1 / Program increase						49,068		49,068
<b>Subtotal Budget Activity 02: Department Of The Navy</b>		<b>335,932</b>				<b>49,068</b>		<b>385,000</b>
<b>Grand Total Environmental Restoration Accounts, Navy, 2020/XXXX</b>		<b>335,932</b>				<b>49,068</b>		<b>385,000</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		335,932				49,068		385,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>335,932</b>				<b>49,068</b>		<b>385,000</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Navy, 2020/2022 (1506N)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Combat Aircraft</b>								
<b>01 F/A-18E/F (Fighter) Hornet</b>	<b>24</b>	<b>1,748,934</b>				<b>-40,136</b>	<b>24</b>	<b>1,708,798</b>
FY 2020 Appropriated Base	24	1,748,934					24	1,748,934
2 / ECO excess growth						-12,336		-12,336
2 / Contract award savings						-27,800		-27,800
<b>01 F/A-18E/F (Fighter) Hornet Advance Procurement (CY)</b>		<b>55,128</b>				<b>-1,974</b>		<b>53,154</b>
FY 2020 Appropriated Base		55,128						55,128
2 / Engine excess cost growth						-1,974		-1,974
<b>01 Joint Strike Fighter CV</b>	<b>20</b>	<b>2,272,301</b>				<b>-158,000</b>	<b>20</b>	<b>2,114,301</b>
FY 2020 Appropriated Base	20	2,272,301					20	2,272,301
2 / Unit cost growth						-148,000		-148,000
2 / Other corporate ops carryover						-10,000		-10,000
<b>01 Joint Strike Fighter CV Advance Procurement (CY)</b>		<b>339,053</b>						<b>339,053</b>
FY 2020 Appropriated Base		339,053						339,053
<b>01 JSF STOVL</b>	<b>10</b>	<b>1,342,035</b>			<b>6</b>	<b>555,366</b>	<b>16</b>	<b>1,897,401</b>
FY 2020 Appropriated Base	10	1,342,035					10	1,342,035
1 / Program increase - six aircraft					6	669,200	6	669,200
2 / Unit cost growth						-83,000		-83,000
2 / NRE excess cost						-20,834		-20,834
2 / Other corporate ops carryover						-10,000		-10,000
<b>01 JSF STOVL Advance Procurement (CY)</b>		<b>291,804</b>						<b>291,804</b>
FY 2020 Appropriated Base		291,804						291,804
<b>01 CH-53K (Heavy Lift)</b>	<b>6</b>	<b>807,876</b>				<b>39,716</b>	<b>6</b>	<b>847,592</b>
FY 2020 Appropriated Base	6	807,876					6	807,876
1 / Full funding of fiscal year 2020 aircraft						53,693		53,693
2 / NRE excess growth						-13,977		-13,977
<b>01 CH-53K (Heavy Lift) Advance Procurement (CY)</b>		<b>215,014</b>						<b>215,014</b>
FY 2020 Appropriated Base		215,014						215,014
<b>01 V-22 (Medium Lift)</b>	<b>10</b>	<b>966,666</b>			<b>4</b>	<b>270,893</b>	<b>14</b>	<b>1,237,559</b>
FY 2020 Appropriated Base	10	966,666					10	966,666
1 / Program increase- four additional aircraft for the Marine Corps					4	310,000	4	310,000
2 / Support cost excess growth						-39,107		-39,107
<b>01 V-22 (Medium Lift) Advance Procurement (CY)</b>		<b>27,104</b>				<b>-1,021</b>		<b>26,083</b>
FY 2020 Appropriated Base		27,104						27,104
2 / CMV-22 excess cost growth						-1,021		-1,021
<b>01 H-1 Upgrades (UH-1Y/AH-1Z)</b>		<b>62,003</b>				<b>-18,021</b>		<b>43,982</b>
FY 2020 Appropriated Base		62,003						62,003
2 / Production line shutdown excess to need						-18,021		-18,021
<b>01 MH-60R (MYP)</b>		<b>894</b>						<b>894</b>
FY 2020 Appropriated Base		894						894

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Navy, 2020/2022 (1506N)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01</b>	<b>P-8A Poseidon</b>	<b>6</b>	<b>1,206,701</b>			<b>3</b>	<b>461,372</b>	<b>9</b>	<b>1,668,073</b>
	<b>FY 2020 Appropriated Base</b>	<b>6</b>	<b>1,206,701</b>					<b>6</b>	<b>1,206,701</b>
	1 / Program increase - three additional aircraft for the Navy Reserve					3	541,200	3	541,200
	2 / Unit cost growth						-12,528		-12,528
	2 / Production engineering support excess growth						-27,900		-27,900
	2 / Other ILS excess growth						-39,400		-39,400
<b>01</b>	<b>E-2D Adv Hawkeye</b>	<b>4</b>	<b>744,484</b>			<b>2</b>	<b>325,753</b>	<b>6</b>	<b>1,070,237</b>
	<b>FY 2020 Appropriated Base</b>	<b>4</b>	<b>744,484</b>					<b>4</b>	<b>744,484</b>
	1 / Program increase - two additional aircraft					2	346,500	2	346,500
	2 / GFE electronics excess growth						-3,447		-3,447
	2 / Anticipated unit cost contract award savings						-5,000		-5,000
	2 / Peculiar ground support equipment unjustified growth						-12,300		-12,300
<b>01</b>	<b>E-2D Adv Hawkeye Advance Procurement (CY)</b>		<b>190,204</b>						<b>190,204</b>
	<b>FY 2020 Appropriated Base</b>		<b>190,204</b>						<b>190,204</b>
<b>Subtotal Budget Activity 01: Combat Aircraft</b>			<b>10,270,201</b>				<b>1,433,948</b>		<b>11,704,149</b>
<b>Budget Activity 03: Trainer Aircraft</b>									
<b>03</b>	<b>Advanced Helicopter Training System</b>	<b>32</b>	<b>261,160</b>				<b>-13,895</b>	<b>32</b>	<b>247,265</b>
	<b>FY 2020 Appropriated Base</b>	<b>32</b>	<b>261,160</b>					<b>32</b>	<b>261,160</b>
	2 / Program reduction						-13,895		-13,895
<b>Subtotal Budget Activity 03: Trainer Aircraft</b>			<b>261,160</b>				<b>-13,895</b>		<b>247,265</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Navy, 2020/2022 (1506N)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Other Aircraft</b>								
04 KC-130J	3	240,840					3	240,840
FY 2020 Appropriated Base	3	240,840					3	240,840
04 KC-130J Advance Procurement (CY)		66,061						66,061
FY 2020 Appropriated Base		66,061						66,061
04 F-5	22	39,676					22	39,676
FY 2020 Appropriated Base	22	39,676					22	39,676
04 MQ-4 Triton	2	473,134				-37,401	2	435,733
FY 2020 Appropriated Base	2	473,134					2	473,134
2 / Airframe PGSE excess growth						-24,901		-24,901
2 / Unjustified unit cost growth						-12,500		-12,500
04 MQ-4 Triton Advance Procurement (CY)		20,139						20,139
FY 2020 Appropriated Base		20,139						20,139
04 MQ-8 UAV		44,957						44,957
FY 2020 Appropriated Base		44,957						44,957
04 STUASLO UAV		51,740				-11,000		40,740
FY 2020 Appropriated Base		43,819						43,819
2 / Contract award delay						-11,000		-11,000
FY 2020 OCO (Title IX)		7,921						7,921
04 MQ-9A Reaper	3	77,000			-1	-23,892	2	53,108
FY 2020 OCO (Title IX)	3	77,000					3	77,000
2 / Program decrease - new production aircraft					-1	-23,892	-1	-23,892
04 VH-92A Executive Helo	6	658,067				-17,073	6	640,994
FY 2020 Appropriated Base	6	658,067					6	658,067
2 / ECO excess growth						-7,073		-7,073
2 / Excess support costs						-10,000		-10,000
04 Other Support Aircraft					1	14,300	1	14,300
FY 2020 Appropriated Base								
1 / Program increase - additional UC-12W for USMC					1	14,300	1	14,300
<b>Subtotal Budget Activity 04: Other Aircraft</b>		<b>1,671,614</b>				<b>-75,066</b>		<b>1,596,548</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Aircraft Procurement, Navy, 2020/2022 (1506N)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: Modification of Aircraft</b>								
<b>05 AEA Systems</b>		<b>44,470</b>				<b>-10,627</b>		<b>33,843</b>
<b>FY 2020 Appropriated Base</b>		<b>44,470</b>						<b>44,470</b>
2 / Vertical polarized antenna previously funded						-1,671		-1,671
2 / Installation equipment excess growth						-8,956		-8,956
<b>05 AV-8 Series</b>		<b>39,472</b>				<b>-1,241</b>		<b>38,231</b>
<b>FY 2020 Appropriated Base</b>		<b>39,472</b>						<b>39,472</b>
2 / AV-8B listening pod (OSIP 023-00) installation kits previously funded						-1,241		-1,241
<b>05 Adversary</b>		<b>3,415</b>						<b>3,415</b>
<b>FY 2020 Appropriated Base</b>		<b>3,415</b>						<b>3,415</b>
<b>05 F-18 Series</b>		<b>1,207,089</b>				<b>-77,771</b>		<b>1,129,318</b>
<b>FY 2020 Appropriated Base</b>		<b>1,207,089</b>						<b>1,207,089</b>
2 / Support costs previously funded (OSIP 11-84)						-2,564		-2,564
2 / F/A-18 upgrade ECP-583 (OSIP 21-00) early to need						-11,000		-11,000
2 / Installation of ECP-6234C1 early to need (OSIP 14-03)						-175		-175
2 / IRST modifications early to need						-33,710		-33,710
2 / IRST support equipment excess to need						-5,556		-5,556
2 / Unit cost growth						-24,766		-24,766
<b>05 H-53 Series</b>		<b>68,385</b>						<b>68,385</b>
<b>FY 2020 Appropriated Base</b>		<b>68,385</b>						<b>68,385</b>
<b>05 MH-60 Series</b>		<b>149,797</b>				<b>-8,185</b>		<b>141,612</b>
<b>FY 2020 Appropriated Base</b>		<b>149,797</b>						<b>149,797</b>
2 / NRE prior year carryover (OSIP 018-12)						-5,685		-5,685
2 / MC/FMC B kits excess to need						-2,500		-2,500
<b>05 H-1 Series</b>		<b>114,059</b>						<b>114,059</b>
<b>FY 2020 Appropriated Base</b>		<b>114,059</b>						<b>114,059</b>
<b>05 EP-3 Series</b>		<b>14,143</b>						<b>14,143</b>
<b>FY 2020 Appropriated Base</b>		<b>8,655</b>						<b>8,655</b>
<b>FY 2020 OCO (Title IX)</b>		<b>5,488</b>						<b>5,488</b>
<b>05 E-2 Series</b>		<b>117,059</b>						<b>117,059</b>
<b>FY 2020 Appropriated Base</b>		<b>117,059</b>						<b>117,059</b>
<b>05 Trainer A/C Series</b>		<b>5,616</b>						<b>5,616</b>
<b>FY 2020 Appropriated Base</b>		<b>5,616</b>						<b>5,616</b>
<b>05 C-2A</b>		<b>15,747</b>				<b>-2,000</b>		<b>13,747</b>
<b>FY 2020 Appropriated Base</b>		<b>15,747</b>						<b>15,747</b>
2 / ARC-210 radio program cancellation						-2,000		-2,000
<b>05 C-130 Series</b>		<b>122,671</b>				<b>-31,578</b>		<b>91,093</b>
<b>FY 2020 Appropriated Base</b>		<b>122,671</b>						<b>122,671</b>
2 / Installation early to need (OSIP 022-07)						-4,785		-4,785
2 / Kits previously funded (OSIP 008-12)						-3,085		-3,085
2 / Installation cost growth (OSIP 020-12)						-2,408		-2,408
2 / Block 8.1 upgrade program delay (OSIP 019-14)						-21,300		-21,300

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Navy, 2020/2022 (1506N)**

Fiscal Year Program:

**2020**

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>05 FEWSG</b>		<b>509</b>						<b>509</b>
FY 2020 Appropriated Base		509						509
<b>05 Cargo/Transport A/C Series</b>		<b>8,767</b>						<b>8,767</b>
FY 2020 Appropriated Base		8,767						8,767
<b>05 E-6 Series</b>		<b>169,827</b>				<b>-16,254</b>		<b>153,573</b>
FY 2020 Appropriated Base		169,827						169,827
2 / Unjustified growth						-16,254		-16,254
<b>05 Executive Helicopters Series</b>		<b>8,933</b>						<b>8,933</b>
FY 2020 Appropriated Base		8,933						8,933
<b>05 Special Project Aircraft</b>		<b>3,498</b>						<b>3,498</b>
FY 2020 OCO (Title IX)		3,498						3,498
<b>05 T-45 Series</b>		<b>186,022</b>				<b>-11,496</b>		<b>174,526</b>
FY 2020 Appropriated Base		186,022						186,022
2 / NRE previously funded (OSIP 003-03)						-1,708		-1,708
2 / Installation cost growth (OSIP 022-14)						-6,008		-6,008
2 / Prior year carryover						-3,780		-3,780
<b>05 Power Plant Changes</b>		<b>16,136</b>						<b>16,136</b>
FY 2020 Appropriated Base		16,136						16,136
<b>05 JPATS Series</b>		<b>21,824</b>						<b>21,824</b>
FY 2020 Appropriated Base		21,824						21,824
<b>05 Aviation Life Support Mods</b>		<b>39,762</b>						<b>39,762</b>
FY 2020 Appropriated Base		39,762						39,762
<b>05 Common ECM Equipment</b>		<b>166,245</b>				<b>-7,429</b>		<b>158,816</b>
FY 2020 Appropriated Base		162,839						162,839
2 / MV-22 kit cost growth (OSIP 014-90)						-2,327		-2,327
2 / H-1 kit cost growth (OSIP 014-90)						-1,802		-1,802
2 / Install equip AN/APR-39 MV-22 unit cost growth						-3,300		-3,300
FY 2020 OCO (Title IX)		3,406						3,406
<b>05 Common Avionics Changes</b>		<b>102,107</b>				<b>-19,129</b>		<b>82,978</b>
FY 2020 Appropriated Base		102,107						102,107
2 / Installation equipment growth early to need						-10,988		-10,988
2 / Common mission computing and displays concurrency (OSIP 06-20)						-8,141		-8,141
<b>05 Common Defensive Weapon System</b>		<b>5,374</b>						<b>5,374</b>
FY 2020 Appropriated Base		2,100						2,100
FY 2020 OCO (Title IX)		3,274						3,274
<b>05 ID Systems</b>		<b>41,437</b>						<b>41,437</b>
FY 2020 Appropriated Base		41,437						41,437
<b>05 P-8 Series</b>		<b>107,539</b>				<b>-32,929</b>		<b>74,610</b>
FY 2020 Appropriated Base		107,539						107,539
2 / Increment 3 ECP 6 early to need (OSIP 006-18)						-32,929		-32,929
<b>05 MAGTF EW for Aviation</b>		<b>26,536</b>						<b>26,536</b>
FY 2020 Appropriated Base		26,536						26,536



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Navy, 2020/2022 (1506N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>05</b> <b>MQ-8 Series</b>		<b>34,686</b>				<b>-3,000</b>		<b>31,686</b>
FY 2020 Appropriated Base		34,686						34,686
2 / UCARS redundancy retrofit previously funded (OSIP 021-14)						-3,000		-3,000
<b>05</b> <b>V-22 (Tilt/Rotor ACFT) Osprey</b>		<b>325,367</b>						<b>325,367</b>
FY 2020 Appropriated Base		325,367						325,367
<b>05</b> <b>Next Generation Jammer (NGJ)</b>		<b>6,223</b>				<b>-6,223</b>		
FY 2020 Appropriated Base		6,223						6,223
2 / Procurement early to need						-6,223		-6,223
<b>05</b> <b>F-35 STOVL Series</b>		<b>65,585</b>						<b>65,585</b>
FY 2020 Appropriated Base		65,585						65,585
<b>05</b> <b>F-35 CV Series</b>		<b>15,358</b>						<b>15,358</b>
FY 2020 Appropriated Base		15,358						15,358
<b>05</b> <b>QRC</b>		<b>183,474</b>				<b>-1,643</b>		<b>181,831</b>
FY 2020 Appropriated Base		165,016						165,016
2 / Unit cost growth (OSIP 11-16)						-1,643		-1,643
FY 2020 OCO (Title IX)		18,458						18,458
<b>05</b> <b>MQ-4 Series</b>		<b>27,994</b>						<b>27,994</b>
FY 2020 Appropriated Base		27,994						27,994
<b>05</b> <b>RQ-21 Series</b>		<b>66,282</b>				<b>-5,250</b>		<b>61,032</b>
FY 2020 Appropriated Base		66,282						66,282
2 / B kits unjustified growth (OSIP 004-20)						-5,250		-5,250
<b>Subtotal Budget Activity 05: Modification of Aircraft</b>		<b>3,531,408</b>				<b>-234,755</b>		<b>3,296,653</b>
<b>Budget Activity 06: Aircraft Spares and Repair Parts</b>								
<b>06</b> <b>Spares and Repair Parts</b>		<b>2,166,788</b>				<b>1,814</b>		<b>2,168,602</b>
FY 2020 Appropriated Base		2,166,788						2,166,788
1 / Program increase - F-35B engines						28,800		28,800
1 / Program increase - F/A-18 E/F engines						52,000		52,000
2 / MQ-4 Triton spares excess growth						-63,986		-63,986
2 / CH-53K spares excess growth						-15,000		-15,000
<b>Subtotal Budget Activity 06: Aircraft Spares and Repair Parts</b>		<b>2,166,788</b>				<b>1,814</b>		<b>2,168,602</b>

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Navy, 2020/2022 (1506N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Aircraft Support Equip &amp; Facilities</b>								
<b>07 Common Ground Equipment</b>		<b>491,025</b>				<b>-42,737</b>		<b>448,288</b>
<b>FY 2020 Appropriated Base</b>		<b>491,025</b>						<b>491,025</b>
2 / Cryogenics contract award delay						-1,800		-1,800
2 / Other flight training cost growth						-19,983		-19,983
2 / Other flight training previously funded						-20,954		-20,954
<b>07 Aircraft Industrial Facilities</b>		<b>71,335</b>						<b>71,335</b>
<b>FY 2020 Appropriated Base</b>		<b>71,335</b>						<b>71,335</b>
<b>07 War Consumables</b>		<b>41,086</b>				<b>-9,000</b>		<b>32,086</b>
<b>FY 2020 Appropriated Base</b>		<b>41,086</b>						<b>41,086</b>
2 / BRU-61 previously funded						-9,000		-9,000
<b>07 Special Support Equipment</b>		<b>135,740</b>						<b>135,740</b>
<b>FY 2020 Appropriated Base</b>		<b>135,740</b>						<b>135,740</b>
<b>07 First Destination Transportation</b>		<b>892</b>				<b>-892</b>		
<b>FY 2020 Appropriated Base</b>		<b>892</b>						<b>892</b>
2 / Prior year carryover						-892		-892
<b>Subtotal Budget Activity 07: Aircraft Support Equip &amp; Facilities</b>		<b>740,078</b>				<b>-52,629</b>		<b>687,449</b>
<b>Grand Total Aircraft Procurement, Navy, 2020/2022</b>		<b>18,641,249</b>				<b>1,059,417</b>		<b>19,700,666</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		18,522,204				1,083,309		19,605,513
APPROPRIATION, P.L. 116-93 (OCO)		119,045				-23,892		95,153
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>18,641,249</b>				<b>1,059,417</b>		<b>19,700,666</b>

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Weapons Procurement, Navy, 2020/2022 (1507N)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Ballistic Missiles</b>								
<b>01 1250A</b>		<b>1,177,251</b>				<b>-11,515</b>		<b>1,165,736</b>
Trident II Mods (1)								
FY 2020 Appropriated Base								
2 / Tooling, test/support equipment excess growth						-11,515		-11,515
Transfer from title IX						1,177,251		1,177,251
FY 2020 OCO (Title IX)		<b>1,177,251</b>						<b>1,177,251</b>
Transfer to title III						-1,177,251		-1,177,251
<b>01 1350A</b>		<b>7,142</b>						<b>7,142</b>
Missile Industrial Facilities (2)								
FY 2020 Appropriated Base								
Transfer from title IX						7,142		7,142
FY 2020 OCO (Title IX)		<b>7,142</b>						<b>7,142</b>
Transfer to title III						-7,142		-7,142
<b>Subtotal Budget Activity 01: Ballistic Missiles</b>		<b>1,184,393</b>				<b>-11,515</b>		<b>1,172,878</b>
<b>Budget Activity 02: Other Missiles</b>								
<b>02 2101A</b>	<b>90</b>	<b>386,730</b>				<b>-573</b>	<b>90</b>	<b>386,157</b>
Tomahawk (3)								
FY 2020 Appropriated Base								
1 / Program increase						50,000		50,000
2 / Production engineering excess support growth						-2,000		-2,000
2 / MST kits early to need						-16,963		-16,963
2 / MST support early to need						-436		-436
2 / Support equipment requirements previously funded						-13,380		-13,380
2 / Excess to need						-17,794		-17,794
Transfer from title IX					90	386,730	90	386,730
FY 2020 OCO (Title IX)	<b>90</b>	<b>386,730</b>					<b>90</b>	<b>386,730</b>
Transfer to title III					-90	-386,730	-90	-386,730
<b>02 2206A</b>	<b>169</b>	<b>224,502</b>			<b>23</b>	<b>-12,675</b>	<b>192</b>	<b>211,827</b>
AMRAAM (4)								
FY 2020 Appropriated Base								
2 / AUR unit cost growth						-12,675		-12,675
Quantity Adjusted based on revised unit pricing					23		23	
Transfer from title IX					169	224,502	169	224,502
FY 2020 OCO (Title IX)	<b>169</b>	<b>224,502</b>					<b>169</b>	<b>224,502</b>
Transfer to title III					-169	-224,502	-169	-224,502
<b>02 2209A</b>	<b>292</b>	<b>119,456</b>			<b>73</b>	<b>29,783</b>	<b>365</b>	<b>149,239</b>
Sidewinder (5)								
FY 2020 Appropriated Base								
2 / AUR unit cost growth						-3,983		-3,983
2 / CATM unit cost growth						-434		-434
Transfer from title IX					277	119,456	277	119,456
FY 2020 OCO (Title IX)	<b>292</b>	<b>119,456</b>					<b>292</b>	<b>119,456</b>
1 / Program increase - additional munitions					88	34,200	88	34,200
Transfer to title III					-292	-119,456	-292	-119,456

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Weapons Procurement, Navy, 2020/2022 (1507N)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 2234A</b>								
Standard Missile (7)	125	404,523					125	404,523
FY 2020 Appropriated Base								
Transfer from title IX					125	404,523	125	404,523
FY 2020 OCO (Title IX)	125	404,523					125	404,523
Transfer to title III					-125	-404,523	-125	-404,523
<b>02 2234C</b>								
Standard Missile Advance Procurement (CY) (8)		96,085						96,085
FY 2020 Appropriated Base								
Transfer from title IX						96,085		96,085
FY 2020 OCO (Title IX)		96,085						96,085
Transfer to title III						-96,085		-96,085
<b>02 2238A</b>								
Small Diameter Bomb II (9)	750	118,466			-238	-10,014	512	108,452
FY 2020 Appropriated Base								
2 / AUR unit cost growth						-10,014		-10,014
Transfer from title IX					512	118,466	512	118,466
FY 2020 OCO (Title IX)	750	118,466					750	118,466
Transfer to title III					-750	-118,466	-750	-118,466
<b>02 2242A</b>								
Ram (10)	120	106,765					120	106,765
FY 2020 Appropriated Base								
Transfer from title IX					120	106,765	120	106,765
FY 2020 OCO (Title IX)	120	106,765					120	106,765
Transfer to title III					-120	-106,765	-120	-106,765
<b>02 2248A</b>								
Joint Air Ground Missile (JAGM) (11)	382	90,966			-62	-15,237	320	75,729
FY 2020 OCO (Title IX)	382	90,966					382	90,966
2 / Contract delays					-62	-15,237	-62	-15,237
<b>02 2254A</b>								
Hellfire (12)	29	1,525					29	1,525
FY 2020 Appropriated Base								
Transfer from title IX					29	1,525	29	1,525
FY 2020 OCO (Title IX)	29	1,525					29	1,525
Transfer to title III					-29	-1,525	-29	-1,525
<b>02 2280A</b>								
Aerial Targets (15)		152,380				-1,819		150,561
FY 2020 Appropriated Base								
2 / BQM-177A unit cost growth						-1,819		-1,819
Transfer from title IX						145,880		145,880
FY 2020 OCO (Title IX)		152,380						152,380
Transfer to title III						-145,880		-145,880
<b>02 2285A</b>								
Drones And Decoys (16)	30	20,000			-30	-20,000		
FY 2020 Appropriated Base								
2 / Accelerated acquisition strategy						-20,000		-20,000
Transfer from title IX						20,000		20,000
FY 2020 OCO (Title IX)	30	20,000					30	20,000
Transfer to title III					-30	-20,000	-30	-20,000

Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title:							Fiscal Year Program:		
<b>Weapons Procurement, Navy, 2020/2022 (1507N)</b>							<b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02	2290A								
	Other Missile Support (17)		3,388						3,388
	FY 2020 Appropriated Base								
	Transfer from title IX						3,388		3,388
	FY 2020 OCO (Title IX)		3,388						3,388
	Transfer to title III						-3,388		-3,388
02	2291A	48	143,200			-31	-70,656	17	72,544
	LRASM (18)								
	FY 2020 Appropriated Base								
	2 / Contract delay						-70,656		-70,656
	Transfer from title IX					17	143,200	17	143,200
	FY 2020 OCO (Title IX)	48	143,200					48	143,200
	Transfer to title III					-48	-143,200	-48	-143,200
02	2292A	18	38,137					18	38,137
	LCS OTH Missile (19)								
	FY 2020 Appropriated Base								
	Transfer from title IX					18	38,137	18	38,137
	FY 2020 OCO (Title IX)	18	38,137					18	38,137
	Transfer to title III					-18	-38,137	-18	-38,137
02	2307A	60	128,059			-10	-25,458	50	102,601
	ESSM (20)								
	FY 2020 Appropriated Base								
	2 / Production support excess to need						-7,458		-7,458
	2 / AUR unit cost adjustment						-18,000		-18,000
	Transfer from title IX					50	128,059	50	128,059
	FY 2020 OCO (Title IX)	60	128,059					60	128,059
	Transfer to title III					-60	-128,059	-60	-128,059
02	2326A		25,447				-1,862		23,585
	Harpoon Mods (21)								
	FY 2020 Appropriated Base								
	2 / Harpoon block II+ installation kits unit cost growth						-1,862		-1,862
	Transfer from title IX						25,447		25,447
	FY 2020 OCO (Title IX)		25,447						25,447
	Transfer to title III						-25,447		-25,447
02	2327A		183,740						183,740
	Harm Mods (22)								
	FY 2020 Appropriated Base								
	Transfer from title IX						183,740		183,740
	FY 2020 OCO (Title IX)		183,740						183,740
	Transfer to title III						-183,740		-183,740
02	2356A		22,500				-20,000		2,500
	Standard Missiles Mods (23)								
	FY 2020 Appropriated Base								
	2 / Early to need/unjustified component improvement request						-20,000		-20,000
	Transfer from title IX						22,500		22,500
	FY 2020 OCO (Title IX)		22,500						22,500
	Transfer to title III						-22,500		-22,500

Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title:							Fiscal Year Program:			
Weapons Procurement, Navy, 2020/2022 (1507N)							2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02	2420A	Weapons Industrial Facilities (24)		1,958				10,048		12,006
		FY 2020 Appropriated Base								
	1 /	Program increase - NIROP facilitization						10,048		10,048
		Transfer from title IX						1,958		1,958
		FY 2020 OCO (Title IX)		1,958						1,958
		Transfer to title III						-1,958		-1,958
02	2433A	Fleet Satellite Comm Follow-On (25)		67,380				-4,300		63,080
		FY 2020 Appropriated Base								
	2 /	MUOS upgrade mod kits cost growth						-4,300		-4,300
		Transfer from title IX						67,380		67,380
		FY 2020 OCO (Title IX)		67,380						67,380
		Transfer to title III						-67,380		-67,380
02	2500A	Ordnance Support Equipment (27)		109,427				-23,710		85,717
		FY 2020 Appropriated Base								
	2 /	Classified adjustment						-23,710		-23,710
		Transfer from title IX						109,427		109,427
		FY 2020 OCO (Title IX)		109,427						109,427
		Transfer to title III						-109,427		-109,427
Subtotal Budget Activity 02: Other Missiles				2,444,634				-166,473		2,278,161

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Weapons Procurement, Navy, 2020/2022 (1507N)**

Fiscal Year Program:

**2020**

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Torpedoes and Related Equipment</b>								
<b>03 3113A SSTD (28)</b>		<b>5,561</b>						<b>5,561</b>
FY 2020 Appropriated Base								
Transfer from title IX						5,561		5,561
FY 2020 OCO (Title IX)		<b>5,561</b>						<b>5,561</b>
Transfer to title III						-5,561		-5,561
<b>03 3117A MK-48 Torpedo (29)</b>	<b>58</b>	<b>114,000</b>			<b>13</b>	<b>16,000</b>	<b>71</b>	<b>130,000</b>
FY 2020 Appropriated Base								
1 / Program increase - additional munitions						16,000		16,000
Transfer from title IX					71	114,000	71	114,000
FY 2020 OCO (Title IX)	<b>58</b>	<b>114,000</b>					<b>58</b>	<b>114,000</b>
Transfer to title III					-58	-114,000	-58	-114,000
<b>03 3141A ASW Targets (30)</b>		<b>15,095</b>						<b>15,095</b>
FY 2020 Appropriated Base								
Transfer from title IX						15,095		15,095
FY 2020 OCO (Title IX)		<b>15,095</b>						<b>15,095</b>
Transfer to title III						-15,095		-15,095
<b>03 3215A MK-54 Torpedo Mods (31)</b>		<b>119,453</b>				<b>-15,593</b>		<b>103,860</b>
FY 2020 Appropriated Base								
2 / HAAWC kits unit cost growth						-15,593		-15,593
Transfer from title IX						119,453		119,453
FY 2020 OCO (Title IX)		<b>119,453</b>						<b>119,453</b>
Transfer to title III						-119,453		-119,453
<b>03 3225A MK-48 Torpedo ADCAP Mods (32)</b>		<b>39,508</b>						<b>39,508</b>
FY 2020 Appropriated Base								
Transfer from title IX						39,508		39,508
FY 2020 OCO (Title IX)		<b>39,508</b>						<b>39,508</b>
Transfer to title III						-39,508		-39,508
<b>03 3231A Quickstrike Mine (33)</b>		<b>5,183</b>						<b>5,183</b>
FY 2020 Appropriated Base								
Transfer from title IX						5,183		5,183
FY 2020 OCO (Title IX)		<b>5,183</b>						<b>5,183</b>
Transfer to title III						-5,183		-5,183

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Weapons Procurement, Navy, 2020/2022 (1507N)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>03 3301A</b>	<b>Torpedo Support Equipment (34)</b>		<b>79,028</b>				<b>-10,803</b>		<b>68,225</b>
	<b>FY 2020 Appropriated Base</b>								
	2 / Prior year carryover						-10,803		-10,803
	Transfer from title IX						79,028		79,028
	<b>FY 2020 OCO (Title IX)</b>		<b>79,028</b>						<b>79,028</b>
	Transfer to title III						-79,028		-79,028
<b>03 3302A</b>	<b>ASW Range Support (35)</b>		<b>3,890</b>						<b>3,890</b>
	<b>FY 2020 Appropriated Base</b>								
	Transfer from title IX						3,890		3,890
	<b>FY 2020 OCO (Title IX)</b>		<b>3,890</b>						<b>3,890</b>
	Transfer to title III						-3,890		-3,890
<b>03 2410A</b>	<b>First Destination Transportation (36)</b>		<b>3,803</b>						<b>3,803</b>
	<b>FY 2020 Appropriated Base</b>								
	Transfer from title IX						3,803		3,803
	<b>FY 2020 OCO (Title IX)</b>		<b>3,803</b>						<b>3,803</b>
	Transfer to title III						-3,803		-3,803
<b>Subtotal Budget Activity 03: Torpedoes and Related Equipment</b>			<b>385,521</b>				<b>-10,396</b>		<b>375,125</b>



## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Weapons Procurement, Navy, 2020/2022 (1507N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Other Weapons</b>								
<b>04 4129A</b>								
Small Arms and Weapons (37)		14,797				-1,190		13,607
FY 2020 Appropriated Base								
2 / CSASS previously funded						-1,190		-1,190
Transfer from title IX						14,797		14,797
FY 2020 OCO (Title IX)		14,797						14,797
Transfer to title III						-14,797		-14,797
<b>04 4205A</b>								
CIWS Mods (38)		44,126						44,126
FY 2020 Appropriated Base								
Transfer from title IX						44,126		44,126
FY 2020 OCO (Title IX)		44,126						44,126
Transfer to title III						-44,126		-44,126
<b>04 4206A</b>								
Coast Guard Weapons (39)		44,980				-1,053		43,927
FY 2020 Appropriated Base								
2 / ILS unjustified growth						-1,053		-1,053
Transfer from title IX						44,980		44,980
FY 2020 OCO (Title IX)		44,980						44,980
Transfer to title III						-44,980		-44,980
<b>04 4217A</b>								
Gun Mount Mods (40)		66,376				-3,797		62,579
FY 2020 Appropriated Base								
2 / Medium caliber gun mounts unjustified growth						-1,127		-1,127
2 / MK-38 unjustified growth						-2,670		-2,670
Transfer from title IX						66,376		66,376
FY 2020 OCO (Title IX)		66,376						66,376
Transfer to title III						-66,376		-66,376
<b>04 4221A</b>								
LCS Module Weapons (41)	120	14,585			-30	-3,587	90	10,998
FY 2020 Appropriated Base								
2 / AURs early to need						-3,587		-3,587
Transfer from title IX					90	14,585	90	14,585
FY 2020 OCO (Title IX)	120	14,585					120	14,585
Transfer to title III					-120	-14,585	-120	-14,585
<b>04 4225A</b>								
Airborne Mine Neutralization Systems (43)		7,160						7,160
FY 2020 Appropriated Base								
Transfer from title IX						7,160		7,160
FY 2020 OCO (Title IX)		7,160						7,160
Transfer to title III						-7,160		-7,160
<b>Subtotal Budget Activity 04: Other Weapons</b>		192,024				-9,627		182,397

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Weapons Procurement, Navy, 2020/2022 (1507N)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Spares and Repair Parts</b>								
<b>06 6120A Spares and Repair Parts (45)</b>		<b>126,138</b>				<b>-800</b>		<b>125,338</b>
<b>FY 2020 Appropriated Base</b>								
1 / Increase - ESB						7,500		7,500
2 / Prior year carryover						-8,300		-8,300
Transfer from title IX						126,138		126,138
<b>FY 2020 OCO (Title IX)</b>		<b>126,138</b>						<b>126,138</b>
Transfer to title III						-126,138		-126,138
<b>Subtotal Budget Activity 06: Spares and Repair Parts</b>		<b>126,138</b>				<b>-800</b>		<b>125,338</b>
<b>Grand Total Weapons Procurement, Navy, 2020/2022</b>		<b>4,332,710</b>				<b>-198,811</b>		<b>4,133,899</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						4,017,470		4,017,470
APPROPRIATION, P.L. 116-93 (OCO)		4,332,710				-4,216,281		116,429
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>4,332,710</b>				<b>-198,811</b>		<b>4,133,899</b>
<b>Footnotes:</b> <p>1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.</p> <p>2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.</p> <p>For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.</p>								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Ammunition, Navy and Marine Corps, 2020/2022 (1508N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Proc Ammo, Navy</b>								
<b>01 General Purpose Bombs</b>		<b>63,006</b>				<b>-16,507</b>		<b>46,499</b>
FY 2020 Appropriated Base								
2 / Q2192 BLU-110 unit cost growth						-1,031		-1,031
2 / Q2032 FMU-139 electrical fuze contract award delays						-15,476		-15,476
Transfer from title IX						36,028		36,028
FY 2020 OCO (Title IX)		<b>63,006</b>						<b>63,006</b>
Transfer to title III						-36,028		-36,028
<b>01 JDAM</b>	<b>3,388</b>	<b>82,676</b>				<b>-7,435</b>	<b>3,388</b>	<b>75,241</b>
FY 2020 Appropriated Base								
2 / JDAM tail kit unit cost growth						-7,435		-7,435
Transfer from title IX					2,844	70,413	2,844	70,413
FY 2020 OCO (Title IX)	<b>3,388</b>	<b>82,676</b>					<b>3,388</b>	<b>82,676</b>
Transfer to title III					-2,844	-70,413	-2,844	-70,413
<b>01 Airborne Rockets, All Types</b>		<b>76,776</b>				<b>-7,834</b>		<b>68,942</b>
FY 2020 Appropriated Base								
2 / MK-66 rocket motor unit cost growth						-4,072		-4,072
2 / LAU-68 contract award delay						-3,762		-3,762
Transfer from title IX						31,756		31,756
FY 2020 OCO (Title IX)		<b>76,776</b>						<b>76,776</b>
Transfer to title III						-31,756		-31,756
<b>01 Machine Gun Ammunition</b>		<b>38,370</b>						<b>38,370</b>
FY 2020 Appropriated Base								
Transfer from title IX						4,793		4,793
FY 2020 OCO (Title IX)		<b>38,370</b>						<b>38,370</b>
Transfer to title III						-4,793		-4,793
<b>01 Practice Bombs</b>		<b>46,611</b>				<b>-3,672</b>		<b>42,939</b>
FY 2020 Appropriated Base								
2 / Q1300 LGTR unit cost growth						-3,672		-3,672
Transfer from title IX						34,708		34,708
FY 2020 OCO (Title IX)		<b>46,611</b>						<b>46,611</b>
Transfer to title III						-34,708		-34,708
<b>01 Cartridges &amp; Cart Actuated Devices</b>		<b>60,819</b>				<b>-7,878</b>		<b>52,941</b>
FY 2020 Appropriated Base								
2 / Thermal battery contract delay						-987		-987
2 / MK122 schedule delays						-5,365		-5,365
2 / MK123 schedule delays						-567		-567
2 / MK124 schedule delays						-959		-959
Transfer from title IX						45,738		45,738
FY 2020 OCO (Title IX)		<b>60,819</b>						<b>60,819</b>
Transfer to title III						-45,738		-45,738

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Ammunition, Navy and Marine Corps, 2020/2022 (1508N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 Air Expendable Countermeasures</b>		<b>94,212</b>				<b>-7,202</b>		<b>87,010</b>
<b>FY 2020 Appropriated Base</b>								
2 / ALE-55 unit cost growth						-3,412		-3,412
2 / MJU-67 unit cost growth						-3,790		-3,790
Transfer from title IX						77,301		77,301
<b>FY 2020 OCO (Title IX)</b>		<b>94,212</b>						<b>94,212</b>
Transfer to title III						-77,301		-77,301
<b>01 JATOS</b>		<b>7,262</b>						<b>7,262</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						7,262		7,262
<b>FY 2020 OCO (Title IX)</b>		<b>7,262</b>						<b>7,262</b>
Transfer to title III						-7,262		-7,262
<b>01 5 Inch/54 Gun Ammunition</b>		<b>22,594</b>				<b>-3,433</b>		<b>19,161</b>
<b>FY 2020 Appropriated Base</b>								
2 / MK187 contract delay						-3,433		-3,433
Transfer from title IX						22,594		22,594
<b>FY 2020 OCO (Title IX)</b>		<b>22,594</b>						<b>22,594</b>
Transfer to title III						-22,594		-22,594
<b>01 Intermediate Caliber Gun Ammunition</b>		<b>37,193</b>						<b>37,193</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						37,193		37,193
<b>FY 2020 OCO (Title IX)</b>		<b>37,193</b>						<b>37,193</b>
Transfer to title III						-37,193		-37,193
<b>01 Other Ship Gun Ammunition</b>		<b>42,753</b>				<b>-6,425</b>		<b>36,328</b>
<b>FY 2020 Appropriated Base</b>								
2 / CART 20MM dummy contract award delay						-425		-425
2 / CART 20MM MK244 ELC contract award delay						-6,000		-6,000
Transfer from title IX						39,491		39,491
<b>FY 2020 OCO (Title IX)</b>		<b>42,753</b>						<b>42,753</b>
Transfer to title III						-39,491		-39,491
<b>01 Small Arms &amp; Landing Party Ammo</b>		<b>48,906</b>						<b>48,906</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						47,896		47,896
<b>FY 2020 OCO (Title IX)</b>		<b>48,906</b>						<b>48,906</b>
Transfer to title III						-47,896		-47,896
<b>01 Pyrotechnic and Demolition</b>		<b>11,158</b>						<b>11,158</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from title IX						10,621		10,621
<b>FY 2020 OCO (Title IX)</b>		<b>11,158</b>						<b>11,158</b>
Transfer to title III						-10,621		-10,621

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Ammunition, Navy and Marine Corps, 2020/2022 (1508N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01</b>	<b>Ammunition Less Than \$5 Million</b>							
		2,386				-1,325		1,061
	<b>FY 2020 Appropriated Base</b>							
2 /	MK-58 marine location markers contract award delay					-1,325		-1,325
	Transfer from title IX					2,386		2,386
	<b>FY 2020 OCO (Title IX)</b>							<b>2,386</b>
	Transfer to title III					-2,386		-2,386
<b>Subtotal Budget Activity 01: Proc Ammo, Navy</b>		<b>634,722</b>				<b>-61,711</b>		<b>573,011</b>
<b>Budget Activity 02: Proc Ammo, MC</b>								
<b>02</b>	<b>Mortars</b>							
		57,473						57,473
	<b>FY 2020 Appropriated Base</b>							
	Transfer from title IX					55,543		55,543
	<b>FY 2020 OCO (Title IX)</b>							<b>57,473</b>
	Transfer to title III					-55,543		-55,543
<b>02</b>	<b>Direct Support Munitions</b>					<b>-30,859</b>		<b>102,078</b>
	<b>FY 2020 Appropriated Base</b>							
2 /	CZ11 multipurpose round insufficient budget justification					-30,053		-30,053
	Transfer from title IX					131,765		131,765
	CA30 complete round unit cost discrepancy					-806		-806
	<b>FY 2020 OCO (Title IX)</b>							<b>132,937</b>
	Transfer to title III					-131,765		-131,765
<b>02</b>	<b>Infantry Weapons Ammunition</b>					<b>-25,968</b>		<b>54,246</b>
	<b>FY 2020 Appropriated Base</b>							
2 /	Marine Corps identified excess to need					-25,968		-25,968
	Transfer from title IX					78,056		78,056
	<b>FY 2020 OCO (Title IX)</b>							<b>80,214</b>
	Transfer to title III					-78,056		-78,056
<b>02</b>	<b>Combat Support Munitions</b>					<b>-6,053</b>		<b>34,960</b>
	<b>FY 2020 Appropriated Base</b>							
2 /	MK913 LAP unit cost growth					-907		-907
2 /	MK913 COMP C-4 unit cost growth					-4,540		-4,540
2 /	Hand grenade production engineering excess growth					-606		-606
	Transfer from title IX					40,048		40,048
	<b>FY 2020 OCO (Title IX)</b>							<b>41,013</b>
	Transfer to title III					-40,048		-40,048
<b>02</b>	<b>Ammo Modernization</b>							<b>14,325</b>
	<b>FY 2020 Appropriated Base</b>							
	Transfer from title IX					14,325		14,325
	<b>FY 2020 OCO (Title IX)</b>							<b>14,325</b>
	Transfer to title III					-14,325		-14,325

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement of Ammunition, Navy and Marine Corps, 2020/2022 (1508N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
<b>02</b>	<b>Artillery Munitions</b>		<b>220,923</b>				<b>-13,322</b>	<b>207,601</b>
	<b>FY 2020 Appropriated Base</b>							
2 /	DA54 explosive fill IMX 104 contract award delay						-380	-380
2 /	DA54 wooden pallets contract award delay						-442	-442
2 /	DA54 explosive fill IMX 101 contract award delay						-4,000	-4,000
2 /	DA54 M795 IM metal part contract award delay						-6,000	-6,000
2 /	NA29 unit cost growth						-2,500	-2,500
	Transfer from title IX						188,876	188,876
	<b>FY 2020 OCO (Title IX)</b>		<b>220,923</b>					<b>220,923</b>
	Transfer to title III						-188,876	-188,876
<b>02</b>	<b>Items Less Than \$5 Million</b>		<b>4,521</b>					<b>4,521</b>
	<b>FY 2020 Appropriated Base</b>							
	Transfer from title IX						4,521	4,521
	<b>FY 2020 OCO (Title IX)</b>		<b>4,521</b>					<b>4,521</b>
	Transfer to title III						-4,521	-4,521
<b>Subtotal Budget Activity 02: Proc Ammo, MC</b>			<b>551,406</b>				<b>-76,202</b>	<b>475,204</b>
<b>Grand Total Procurement of Ammunition, Navy and Marine Corps, 2020/2022</b>			<b>1,186,128</b>				<b>-137,913</b>	<b>1,048,215</b>
<b>Financing</b>								
	APPROPRIATION, P.L. 116-93 (Base)						843,401	843,401
	APPROPRIATION, P.L. 116-93 (OCO)		1,186,128				-981,314	204,814
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>			<b>1,186,128</b>				<b>-137,913</b>	<b>1,048,215</b>
<b>Footnotes:</b>  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Shipbuilding & Conversion, Navy, 2020/2020 (1611N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Other Warships</b>								
<b>02 Littoral Combat Ship</b>						<b>14,000</b>		<b>14,000</b>
FY 2020 Appropriated Base								
Transfers Completion of Prior Year Shipbuilding to 2020/2020 per Sec 8073 - 2016						14,000		14,000
<b>Subtotal Budget Activity 02: Other Warships</b>						<b>14,000</b>		<b>14,000</b>
<b>Budget Activity 03: Amphibious Ships</b>								
<b>03 Expeditionary Sea Base (ESB)</b>						<b>38,000</b>		<b>38,000</b>
FY 2020 Appropriated Base								
Transfers Completion of Prior Year Shipbuilding to 2020/2020 per Sec 8073 - 2016						38,000		38,000
<b>03 Expeditionary Fast Transport (EPF)</b>						<b>49,000</b>		<b>49,000</b>
FY 2020 Appropriated Base								
Transfers Completion of Prior Year Shipbuilding to 2020/2020 per Sec 8073 - 2019						49,000		49,000
<b>Subtotal Budget Activity 03: Amphibious Ships</b>						<b>87,000</b>		<b>87,000</b>
<b>Budget Activity 05: Auxiliaries, Craft, and Prior-Year Program Costs</b>								
<b>05 TAO Fleet Oiler</b>						<b>3,700</b>		<b>3,700</b>
FY 2020 Appropriated Base								
Transfers Completion of Prior Year Shipbuilding to 2020/2020 per Sec 8073 - 2018						3,700		3,700
<b>Subtotal Budget Activity 05: Auxiliaries, Craft, and Prior-Year Program Costs</b>						<b>3,700</b>		<b>3,700</b>
<b>Grand Total Shipbuilding &amp; Conversion, Navy, 2020/2020</b>						<b>104,700</b>		<b>104,700</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						104,700		104,700
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>						<b>104,700</b>		<b>104,700</b>

**Footnotes:**

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Shipbuilding & Conversion, Navy, 2020/2024 (1611N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Fleet Ballistic Missile Ships</b>								
<b>01 Columbia Class Submarine Advance Procurement (CY)</b>		<b>1,698,907</b>				<b>122,020</b>		<b>1,820,927</b>
<b>FY 2020 Appropriated Base</b>		<b>1,698,907</b>						<b>1,698,907</b>
1 / Program increase - submarine industrial base expansion						123,000		123,000
2 / Shipyard manufactured items continuous production early to need						-980		-980
<b>Subtotal Budget Activity 01: Fleet Ballistic Missile Ships</b>		<b>1,698,907</b>				<b>122,020</b>		<b>1,820,927</b>
<b>Budget Activity 02: Other Warships</b>								
<b>02 Carrier Replacement Program</b>	<b>1</b>	<b>2,347,000</b>				<b>-498,318</b>	<b>1</b>	<b>1,848,682</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>2,347,000</b>					<b>1</b>	<b>2,347,000</b>
4 / CVN-81 only - transfer to line 2x						-498,318		-498,318
<b>02 CVN-81</b>						<b>427,818</b>		<b>427,818</b>
<b>FY 2020 Appropriated Base</b>								
2 / Excess prior year carryover						-70,500		-70,500
5 / CVN-81 only - transfer from line 2						498,318		498,318
<b>02 Virginia Class Submarine</b>	<b>3</b>	<b>7,155,946</b>			<b>-1</b>	<b>-1,790,765</b>	<b>2</b>	<b>5,365,181</b>
<b>FY 2020 Appropriated Base</b>	<b>3</b>	<b>7,155,946</b>					<b>3</b>	<b>7,155,946</b>
2 / SSN-812 early to need					-1	-1,390,765	-1	-1,390,765
Transfer from SSN-812 to SSN-804 and SSN-805 full funding with Virginia Payload Modules per revised multi-year procurement contract cost estimate						-1,409,235		-1,409,235
Transfer from SSN-812 to SCN line 4 in support of 10th multi-year procurement contract option ship only						-200,000		-200,000
Transfer from SSN-812 to RDTE,N line 132 for design risk reduction						-100,000		-100,000
Transfer from SSN-812 to RDTE,N line 132 for future capability development						-100,000		-100,000
Transfer from SSN-812 to SSN-804 and SSN-805 per revised multi-year procurement contract cost estimate, including Virginia Payload Modules						1,409,235		1,409,235
<b>02 Virginia Class Submarine Advance Procurement (CY)</b>		<b>2,769,552</b>				<b>200,000</b>		<b>2,969,552</b>
<b>FY 2020 Appropriated Base</b>		<b>2,769,552</b>						<b>2,769,552</b>
Transfer SSN-812 from SCN line 3 in support of 10th multi-year procurement contract option ship only						200,000		200,000
<b>02 CVN Refueling Overhauls</b>	<b>1</b>	<b>647,926</b>				<b>-13,300</b>	<b>1</b>	<b>634,626</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>647,926</b>					<b>1</b>	<b>647,926</b>
1 / Program increase - operator ballistic protection for crew served weapons stations						20,000		20,000
2 / Temporary systems unjustified request						-16,400		-16,400
Transfer to line 6 only for CVN 75 RCOH						-16,900		-16,900
<b>02 CVN Refueling Overhauls Advance Procurement (CY)</b>						<b>16,900</b>		<b>16,900</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from line 5 only for CVN 75 RCOH						16,900		16,900



## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:						Fiscal Year Program:		
<b>Shipbuilding &amp; Conversion, Navy, 2020/2024 (1611N)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i
<b>02 DDG 1000</b>		<b>155,944</b>						<b>155,944</b>
<b>FY 2020 Appropriated Base</b>		<b>155,944</b>						<b>155,944</b>
<b>02 DDG-51</b>	<b>3</b>	<b>5,099,295</b>				<b>-34,000</b>	<b>3</b>	<b>5,065,295</b>
<b>FY 2020 Appropriated Base</b>	<b>3</b>	<b>5,099,295</b>					<b>3</b>	<b>5,099,295</b>
2 / Basic construction excess growth						-24,000		-24,000
2 / Electronics excess growth						-10,000		-10,000
<b>02 DDG-51 Advance Procurement (CY)</b>		<b>224,028</b>				<b>520,000</b>		<b>744,028</b>
<b>FY 2020 Appropriated Base</b>		<b>224,028</b>						<b>224,028</b>
1 / Program increase - long lead time material for fiscal year 2021 DDG-51 Flight III ships						390,000		390,000
1 / Program increase - surface combatant supplier base						130,000		130,000
<b>02 FFG-Frigate</b>	<b>1</b>	<b>1,281,177</b>					<b>1</b>	<b>1,281,177</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>1,281,177</b>					<b>1</b>	<b>1,281,177</b>
<b>02 Littoral Combat Ship</b>								
<b>Subtotal Budget Activity 02: Other Warships</b>		<b>19,680,868</b>				<b>-1,171,665</b>		<b>18,509,203</b>
<b>Budget Activity 03: Amphibious Ships</b>								
<b>03 LPD Flight II</b>						<b>524,100</b>		<b>524,100</b>
<b>FY 2020 Appropriated Base</b>								
1 / Program increase - LPD-31						277,000		277,000
LPD-31 - transfer from line 13						247,100		247,100
<b>03 LPD Flight II Advance Procurement (CY)</b>		<b>247,100</b>				<b>-247,100</b>		
<b>FY 2020 Appropriated Base</b>		<b>247,100</b>						<b>247,100</b>
LPD-31 - transfer to line 12						-247,100		-247,100
<b>03 LHA Replacement</b>						<b>650,000</b>		<b>650,000</b>
<b>FY 2020 Appropriated Base</b>								
1 / Program increase - LHA 9						650,000		650,000
<b>03 Expeditionary Fast Transport (EPF)</b>					<b>1</b>	<b>261,000</b>	<b>1</b>	<b>261,000</b>
<b>FY 2020 Appropriated Base</b>								
1 / Program increase - additional ship					1	261,000	1	261,000
<b>03 Expeditionary Sea Base (ESB)</b>								
<b>Subtotal Budget Activity 03: Amphibious Ships</b>		<b>247,100</b>				<b>1,188,000</b>		<b>1,435,100</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Shipbuilding & Conversion, Navy, 2020/2024 (1611N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: Auxiliaries, Craft, and Prior-Year Program Costs</b>								
05 TAO Fleet Oiler	2	981,215					2	981,215
FY 2020 Appropriated Base	2	981,215					2	981,215
05 TAO Fleet Oiler Advance Procurement (CY)		73,000						73,000
FY 2020 Appropriated Base		73,000						73,000
05 Towing, Salvage, and Rescue Ship (ATS)	2	150,282					2	150,282
FY 2020 Appropriated Base	2	150,282					2	150,282
05 LCU 1700	4	85,670				-2,000	4	83,670
FY 2020 Appropriated Base	4	85,670					4	85,670
2 / Other cost excess growth						-2,000		-2,000
05 Outfitting		754,679				-58,687		695,992
FY 2020 Appropriated Base		754,679						754,679
2 / Virginia class outfitting excess growth						-8,958		-8,958
2 / DDG-51 outfitting excess to need						-5,613		-5,613
2 / LCS outfitting early to need						-2,607		-2,607
2 / Virginia class post-delivery early to need						-1,258		-1,258
2 / CVN-79 outfitting early to need						-37,539		-37,539
2 / T-AO outfitting early to need						-2,712		-2,712
05 Ship to Shore Connector					1	65,000	1	65,000
FY 2020 Appropriated Base								
1 / Program increase - one additional SSC					1	65,000	1	65,000
05 Service Craft		56,289						56,289
FY 2020 Appropriated Base		56,289						56,289
05 Completion of PY Shipbuilding Programs		55,700				-55,700		
FY 2020 Appropriated Base		55,700						55,700
1 / Program increase - EPF-14 expeditionary medical transport conversion						49,000		49,000
Transfers Completion of Prior Year Shipbuilding to 2020/2020 per Sec 8073						-104,700		-104,700
<b>Subtotal Budget Activity 05: Auxiliaries, Craft, and Prior-Year Program Costs</b>		<b>2,156,835</b>				<b>-51,387</b>		<b>2,105,448</b>
<b>Grand Total Shipbuilding &amp; Conversion, Navy, 2020/2024</b>		<b>23,783,710</b>				<b>86,968</b>		<b>23,870,678</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Shipbuilding &amp; Conversion, Navy, 2020/2024 (1611N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)			23,783,710				86,968	23,870,678
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>			<b>23,783,710</b>				<b>86,968</b>	<b>23,870,678</b>
<b>Footnotes:</b> <p>1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.</p> <p>2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.</p> <p>4 / The transfer from the Carrier Replacement Program is \$498,318K instead of \$1,285,000K. This is because \$786,682K was obligated during the FY 2020 Continuing Resolution for CVN-81 in the Carrier Replacement Program Line Item.</p> <p>5 / The transfer from the Carrier Replacement Program is \$498,318K instead of \$1,285,000K. This is because \$786,682K was obligated during the FY 2020 Continuing Resolution for CVN-81 in the Carrier Replacement Program Line Item.</p> <p>For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.</p>								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Ships Support Equipment</b>								
01 Surface Power Equipment		14,490						14,490
FY 2020 Appropriated Base		14,490						14,490
01 Surface Combatant HM&E		31,583				34,978		66,561
FY 2020 Appropriated Base		31,583						31,583
1 / Program increase - hybrid electric drive						35,000		35,000
2 / Twisted rudder installation early to need						-22		-22
01 Other Navigation Equipment		77,404				-4,660		72,744
FY 2020 Appropriated Base		77,404						77,404
2 / Surface Navy ECDIS hardware B kit contract award and installation delay						-4,660		-4,660
01 Sub Periscope, Imaging and Supt Equip Prog		160,803						160,803
FY 2020 Appropriated Base		160,803						160,803
01 DDG Mod		566,140				-1,174		564,966
FY 2020 Appropriated Base		566,140						566,140
1 / Program increase - integrated training and maintenance support system						9,000		9,000
1 / Program increase - water purification systems						5,000		5,000
2 / Aegis modernization testing excess to need						-5,000		-5,000
2 / Combat system ship qualification trials excess to need						-9,000		-9,000
2 / DDG modernization HME (MCS/DCS) installation excess growth						-1,174		-1,174
01 Firefighting Equipment		18,223				-676		17,547
FY 2020 Appropriated Base		18,223						18,223
2 / SOPV replacement installation cost growth						-676		-676
01 Command and Control Switchboard		2,086						2,086
FY 2020 Appropriated Base		2,086						2,086
01 LHA/LHD Midlife		95,651				-16,088		79,563
FY 2020 Appropriated Base		95,651						95,651
2 / Conjunctive alterations unjustified growth						-5,819		-5,819
2 / Machinery control system NRE early to need						-10,269		-10,269
01 Pollution Control Equipment		23,910				-2,090		21,820
FY 2020 Appropriated Base		23,910						23,910
2 / OPA improvements unit cost growth						-2,090		-2,090
01 Submarine Support Equipment		44,895						44,895
FY 2020 Appropriated Base		44,895						44,895
01 Virginia Class Support Equipment		28,465						28,465
FY 2020 Appropriated Base		28,465						28,465
01 LCS Class Support Equipment		19,426				4,000		23,426
FY 2020 Appropriated Base		19,426						19,426
1 / Program increase - water purification systems						4,000		4,000

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Navy, 2020/2022 (1810N)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
01	Submarine Batteries		26,290				-3,600		22,690
	FY 2020 Appropriated Base		26,290						26,290
	2 / Battery installation test equipment previously funded						-1,000		-1,000
	2 / ABMS tech refresh previously funded						-900		-900
	2 / Unit cost growth						-1,700		-1,700
01	LPD Class Support Equipment		46,945						46,945
	FY 2020 Appropriated Base		46,945						46,945
01	DDG 1000 Class Support Equipment		9,930				-1,400		8,530
	FY 2020 Appropriated Base		9,930						9,930
	2 / Maritime strike tomahawk integration ahead of need						-1,400		-1,400
01	Strategic Platform Support Equip		14,331						14,331
	FY 2020 Appropriated Base		14,331						14,331
01	DSSP Equipment		2,909						2,909
	FY 2020 Appropriated Base		2,909						2,909
01	CG Modernization		193,990						193,990
	FY 2020 Appropriated Base		193,990						193,990
01	LCAC		3,392						3,392
	FY 2020 Appropriated Base		3,392						3,392
01	Underwater EOD Programs		77,040						77,040
	FY 2020 Appropriated Base		71,240						71,240
	FY 2020 OCO (Title IX)		5,800						5,800
01	Items Less Than \$5 Million		102,543				-14,686		87,857
	FY 2020 Appropriated Base		102,543						102,543
	2 / MCRRS contract award delays						-1,818		-1,818
	2 / Machinery plant upgrades early to need						-6,898		-6,898
	2 / Machinery plant upgrades installation early to need						-5,970		-5,970
01	Chemical Warfare Detectors		2,961						2,961
	FY 2020 Appropriated Base		2,961						2,961
01	Submarine Life Support System		6,635						6,635
	FY 2020 Appropriated Base		6,635						6,635
01	Ship Maintenance, Repair and Modernization						1,000,000		1,000,000
	FY 2020 Appropriated Base								
	Pacific Fleet ship maintenance pilot program - transfer from OM,N line 1B4B						1,000,000		1,000,000
01	Reactor Power Units		5,340						5,340
	FY 2020 Appropriated Base		5,340						5,340
01	Reactor Components		465,726				-13,034		452,692
	FY 2020 Appropriated Base		465,726						465,726
	2 / Program decrease - unit cost growth						-2,977		-2,977
	2 / Program decrease - unit cost growth						-2,656		-2,656
	2 / Program decrease - unit cost growth						-1,297		-1,297
	2 / Program decrease- unjustified request infield change procurement						-6,104		-6,104

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i
01 Diving and Salvage Equipment		11,854						11,854
FY 2020 Appropriated Base		11,854						11,854
01 Standard Boats		79,102				-12,000		67,102
FY 2020 Appropriated Base		79,102						79,102
2 / CPF boat simulators unjustified growth						-12,000		-12,000
01 Operating Forces lpe		202,238						202,238
FY 2020 Appropriated Base		202,238						202,238
01 LCS Common Mission Modules Equipment		51,553				-12,823		38,730
FY 2020 Appropriated Base		51,553						51,553
2 / CMPT MPTS tech modernization unjustified growth						-1,931		-1,931
2 / EMM/ANSQS-62 training equipment unjustified request						-3,692		-3,692
2 / Mission bay training devices - ASW unjustified request						-7,200		-7,200
01 LCS MCM Mission Modules		197,129				-132,340		64,789
FY 2020 Appropriated Base		197,129						197,129
2 / Knifefish excess to need						-28,640		-28,640
2 / Unmanned surface vehicles excess to need						-88,966		-88,966
Navy requested transfer to RDTE,N line 75						-14,734		-14,734
01 LCS ASW Mission Modules		27,754				-3,137		24,617
FY 2020 Appropriated Base		27,754						27,754
2 / Variable depth sonar unit cost growth						-3,137		-3,137
01 LCS SUW Mission Modules		26,566				-11,968		14,598
FY 2020 Appropriated Base		26,566						26,566
2 / Surface-to-surface missile module excess to need						-11,968		-11,968
01 LCS In-Service Modernization		84,972				742		85,714
FY 2020 Appropriated Base		84,972						84,972
1 / Program increase - modernization of combat and communication systems and installation acceleration						7,000		7,000
2 / Habitability mod (Freedom variant) unit cost growth						-2,972		-2,972
2 / LCS modernization (independence variant) installation cost growth						-3,286		-3,286
01 Small & Medium UUV		40,547				-14,946		25,601
FY 2020 Appropriated Base		40,547						40,547
2 / Knifefish excess to need						-14,946		-14,946
01 LSD Midlife & Modernization		40,269						40,269
FY 2020 Appropriated Base		40,269						40,269
Subtotal Budget Activity 01: Ships Support Equipment		2,803,092				795,098		3,598,190

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Communications &amp; Electronics Equip</b>								
<b>02 SPQ-9B Radar</b>		26,195				-4,531		21,664
FY 2020 Appropriated Base		26,195						26,195
2 / AN?SPQ-9B radar FMP kits prior year carryover						-4,531		-4,531
<b>02 AN/SQQ-89 Surf ASW Combat System</b>		125,237				-3,271		121,966
FY 2020 Appropriated Base		125,237						125,237
2 / AN/SQQ-89A(V)15 kits technology insertion cost growth						-1,880		-1,880
2 / AN/SQQ-89A(V)15 kits technology insertion installation cost growth						-1,391		-1,391
<b>02 SSN Acoustic Equipment</b>		366,968				652		367,620
FY 2020 Appropriated Base		366,968						366,968
1 / Program increase						8,000		8,000
2 / Towed array refurbishment and upgrades failure to comply with congressionally directed reduction						-2,348		-2,348
2 / Low cost conformal array kits contract delays						-5,000		-5,000
<b>02 Undersea Warfare Support Equipment</b>		8,967						8,967
FY 2020 Appropriated Base		8,967						8,967
<b>02 Submarine Acoustic Warfare System</b>		23,545				-1,214		22,331
FY 2020 Appropriated Base		23,545						23,545
2 / CSA MK3 engineering changes excess growth						-1,214		-1,214
<b>02 SSTD</b>		12,439						12,439
FY 2020 Appropriated Base		12,439						12,439
<b>02 Fixed Surveillance System</b>		438,944						438,944
FY 2020 Appropriated Base		128,441						128,441
FY 2020 OCO (Title IX)		310,503						310,503
<b>02 SURTASS</b>		21,923						21,923
FY 2020 Appropriated Base		21,923						21,923
<b>02 AN/SLQ-32</b>		420,154				-79,448		340,706
FY 2020 Appropriated Base		420,154						420,154
2 / SEWIP block 1B2 for USCG ship forward fit contract delays						-1,410		-1,410
2 / FMP block 1B3 for SLQ-32(V)6 previously funded						-2,467		-2,467
2 / Block 2 electronic support systems installation cost growth						-1,961		-1,961
2 / Block 3 kit early to need						-65,758		-65,758
2 / Solid state product support integrator funding ahead of need						-1,778		-1,778
2 / Block 3 multi-purpose reconfigurable training systems ahead of need						-1,410		-1,410
2 / Block 1B3 installations preciously funded						-2,300		-2,300
2 / Block 3 installation funding ahead of need						-2,364		-2,364

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Navy, 2020/2022 (1810N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 Shipboard IW Exploit		194,758				-6,272		188,486
FY 2020 Appropriated Base		194,758						194,758
2 / SSEE modifications kits unit cost growth						-1,472		-1,472
2 / SSEE modifications installation previously funded						-4,800		-4,800
02 Automated Identification System (AIS)		5,368						5,368
FY 2020 Appropriated Base		5,368						5,368
02 Cooperative Engagement Capability		35,128				-4,676		30,452
FY 2020 Appropriated Base		35,128						35,128
2 / Common array block antenna previously funded						-4,676		-4,676
02 Naval Tactical Command Support System (NTCSS)		15,154						15,154
FY 2020 Appropriated Base		15,154						15,154
02 ATDLS		52,753						52,753
FY 2020 Appropriated Base		52,753						52,753
02 Navy Command and Control System (NCCS)		3,390						3,390
FY 2020 Appropriated Base		3,390						3,390
02 Minesweeping System Replacement		19,448						19,448
FY 2020 Appropriated Base		19,448						19,448
02 Shallow Water MCM		8,730						8,730
FY 2020 Appropriated Base		8,730						8,730
02 Navstar GPS Receivers (SPACE)		32,674				-9,380		23,294
FY 2020 Appropriated Base		32,674						32,674
2 / GPTNS excess growth						-9,380		-9,380
02 American Forces Radio and TV Service		2,617						2,617
FY 2020 Appropriated Base		2,617						2,617
02 Strategic Platform Support Equip		7,973						7,973
FY 2020 Appropriated Base		7,973						7,973
02 Ashore ATC Equipment		72,406				-1,369		71,037
FY 2020 Appropriated Base		72,406						72,406
2 / MATCALs improvements cost growth						-1,369		-1,369
02 Afloat ATC Equipment		67,410				-4,131		63,279
FY 2020 Appropriated Base		67,410						67,410
2 / ACLS mod kits installation cost growth						-1,631		-1,631
2 / AN/SPN-50(V)1 excess support costs						-2,500		-2,500
02 ID Systems		26,059				-553		25,506
FY 2020 Appropriated Base		26,059						26,059
2 / AN/UPX 24(V) mode S production engineering previously funded						-553		-553
02 Joint Precision Approach And Landing System (		92,695				-7,250		85,445
FY 2020 Appropriated Base		92,695						92,695
2 / Excess growth						-7,250		-7,250
02 Naval Mission Planning Systems		15,296						15,296
FY 2020 Appropriated Base		15,296						15,296



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 Tactical/Mobile C4I Systems		36,226				-2,807		33,419
FY 2020 Appropriated Base		36,226						36,226
2 / DJC2 increment I system enhancements unit cost growth						-2,807		-2,807
02 DCGS-N		21,788				-3,111		18,677
FY 2020 Appropriated Base		21,788						21,788
2 / DCGS-N increment 2 kit unit cost diecrepancy						-361		-361
2 / Installation ahead of need						-2,750		-2,750
02 CANES		426,654				-17,083		409,571
FY 2020 Appropriated Base		426,654						426,654
2 / CANES afloat technical insertion installation cost growth						-3,885		-3,885
2 / CANES ashore installation previously funded						-2,698		-2,698
2 / Installations previously funded						-10,500		-10,500
02 RADIAC		6,450						6,450
FY 2020 Appropriated Base		6,450						6,450
02 CANES-Intell		52,713						52,713
FY 2020 Appropriated Base		52,713						52,713
02 GPETE		13,028				-814		12,214
FY 2020 Appropriated Base		13,028						13,028
2 / Engineering and documentation unjustified growth						-814		-814
02 MASF		5,193						5,193
FY 2020 Appropriated Base		5,193						5,193
02 Integ Combat System Test Facility		6,028						6,028
FY 2020 Appropriated Base		6,028						6,028
02 EMI Control Instrumentation		4,209						4,209
FY 2020 Appropriated Base		4,209						4,209
02 Items Less Than \$5 Million		168,436				-15,102		153,334
FY 2020 Appropriated Base		168,436						168,436
2 / Next generation surface search radar kits unit cost growth						-2,462		-2,462
2 / Next generation surface search radar installation early to need						-12,640		-12,640
02 Shipboard Tactical Communications		55,853				-8,042		47,811
FY 2020 Appropriated Base		55,853						55,853
2 / MR MUOS upgrade kits installation cost growth						-2,242		-2,242
2 / Prior year carryover						-5,800		-5,800
02 Ship Communications Automation		137,861				-9,133		128,728
FY 2020 Appropriated Base		137,861						137,861
2 / STACC equipment unit cost growth						-6,400		-6,400
2 / STACC installation cost growth						-2,733		-2,733

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Navy, 2020/2022 (1810N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02</b>	<b>Communications Items Under \$5M</b>							
	FY 2020 Appropriated Base					-5,607		29,486
	35,093							35,093
2 /	Navy expeditionary C4I procurement unjustified growth					-3,242		-3,242
2 /	BFTN failure to comply with fiscal year 2019 congressional direction					-963		-963
2 /	BFTN DSA failure to comply with fiscal year 2019 congressional direction					-1,402		-1,402
<b>02</b>	<b>Submarine Broadcast Support</b>							
	FY 2020 Appropriated Base							50,833
	50,833							50,833
<b>02</b>	<b>Submarine Communication Equipment</b>					-8,849		60,794
	FY 2020 Appropriated Base							69,643
	69,643							69,643
2 /	Buoy shape improvements unjustified request					-8,849		-8,849
<b>02</b>	<b>Satellite Communications Systems</b>					-757		45,084
	FY 2020 Appropriated Base							45,841
	45,841							45,841
2 /	GBS afloat receive terminal DSA previously funded					-757		-757
<b>02</b>	<b>Navy Multiband Terminal (NMT)</b>					-11,306		76,715
	FY 2020 Appropriated Base							88,021
	88,021							88,021
2 /	Afloat ship kit contract savings					-5,203		-5,203
2 /	Afloat installation coat excess growth					-2,104		-2,104
2 /	Assured C2 modems installation cost excess growth					-1,818		-1,818
2 /	Ashore kit previously funded					-2,181		-2,181
<b>02</b>	<b>Joint Communications Support Element (JCSE)</b>							4,293
	FY 2020 Appropriated Base							4,293
	4,293							4,293
<b>02</b>	<b>Info Systems Security Program (ISSP)</b>							166,540
	FY 2020 Appropriated Base							166,540
	166,540							166,540
<b>02</b>	<b>MIO Intel Exploitation Team</b>							968
	FY 2020 Appropriated Base							968
	968							968
<b>02</b>	<b>Cryptologic Communications Equip</b>							13,090
	FY 2020 Appropriated Base							13,090
	13,090							13,090
<b>02</b>	<b>Coast Guard Equipment</b>							61,370
	FY 2020 Appropriated Base							61,370
	61,370							61,370
<b>Subtotal Budget Activity 02: Communications &amp; Electronics Equip</b>		3,566,362				-204,054		3,362,308

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Aviation Support Equipment</b>								
<b>03 Sonobuoys - All Types</b>		263,554				50,000		313,554
FY 2020 Appropriated Base		260,644						260,644
1 / Program increase						50,000		50,000
FY 2020 OCO (Title IX)		2,910						2,910
<b>03 Minotaur</b>		5,000						5,000
FY 2020 Appropriated Base		5,000						5,000
<b>03 Weapons Range Support Equipment</b>		101,843						101,843
FY 2020 Appropriated Base		101,843						101,843
<b>03 Aircraft Support Equipment</b>		159,021				28,905		187,926
FY 2020 Appropriated Base		145,601						145,601
2 / Transformer rectifier procurement ahead of need						-10,390		-10,390
FY 2020 OCO (Title IX)		13,420						13,420
FY 2020 Disaster Relief (Title X)								
1 / China Lake Earthquake						39,295		39,295
<b>03 Advanced Arresting Gear (AAG)</b>		4,725						4,725
FY 2020 Appropriated Base		4,725						4,725
<b>03 Meteorological Equipment</b>		14,687				-2,280		12,407
FY 2020 Appropriated Base		14,687						14,687
2 / ASOS upgrades unit cost growth						-2,280		-2,280
<b>03 Legacy Airborne MCM</b>		19,250				-3,252		15,998
FY 2020 Appropriated Base		19,250						19,250
2 / Modifications unjustified growth						-2,920		-2,920
2 / Prior year contract savings						-332		-332
<b>03 Lamps Equipment</b>		792						792
FY 2020 Appropriated Base		792						792
<b>03 Aviation Support Equipment</b>		55,915				6,974		62,889
FY 2020 Appropriated Base		55,415						55,415
1 / Program increase - advanced skills management legacy system upgrades						10,000		10,000
2 / Portable electronic maintenance aids contract delays						-3,026		-3,026
FY 2020 OCO (Title IX)		500						500
<b>03 UMCS-Unman Carrier Aviation(UCA)Mission Cntrl</b>		32,668				-15,100		17,568
FY 2020 Appropriated Base		32,668						32,668
2 / Funding ahead of need						-15,100		-15,100
<b>Subtotal Budget Activity 03: Aviation Support Equipment</b>		657,455				65,247		722,702

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Navy, 2020/2022 (1810N)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Ordnance Support Equipment</b>								
<b>04 Ship Gun Systems Equipment</b>		5,451						5,451
FY 2020 Appropriated Base		5,451						5,451
<b>04 Harpoon Support Equipment</b>		1,100				-1,100		
FY 2020 Appropriated Base		1,100						1,100
2 / Unjustified request						-1,100		-1,100
<b>04 Ship Missile Support Equipment</b>		228,104				-19,778		208,326
FY 2020 Appropriated Base		228,104						228,104
2 / I-stalker kits unit cost growth						-1,460		-1,460
2 / Ship self defense system combat system ship qualification trial unjustified growth						-5,002		-5,002
2 / SPY radar refurbishment previously funded						-7,078		-7,078
3 / Nulka decoys unit cost growth (-3,500)								
2 / SSDS COTS conversion kits budget request discrepancy						-6,238		-6,238
<b>04 Tomahawk Support Equipment</b>		78,593				-19,157		59,436
FY 2020 Appropriated Base		78,593						78,593
2 / TMPC 7.0 funding ahead of need						-19,157		-19,157
<b>04 Strategic Missile Systems Equip</b>		280,510				-21,577		258,933
FY 2020 Appropriated Base		280,510						280,510
2 / Flight test instrumentation refresh unjustified growth						-10,199		-10,199
2 / Navigation SSI increment 8 engineering and test unjustified growth						-6,636		-6,636
2 / SSI increment 15 previously funded						-4,742		-4,742
<b>04 SSN Combat Control Systems</b>		148,547				-4,869		143,678
FY 2020 Appropriated Base		148,547						148,547
2 / Weapons launch systems tech insertion excess growth						-4,869		-4,869
<b>04 ASW Support Equipment</b>		21,130				-2,949		18,181
FY 2020 Appropriated Base		21,130						21,130
2 / High speed maneuverable surface target contract award delay						-2,949		-2,949
<b>04 Explosive Ordnance Disposal Equip</b>		30,551				-6,300		24,251
FY 2020 Appropriated Base		15,244						15,244
FY 2020 OCO (Title IX)		15,307						15,307
2 / Navy EOD equipment unjustified request						-6,300		-6,300
<b>04 Items Less Than \$5 Million</b>		5,071						5,071
FY 2020 Appropriated Base		5,071						5,071
<b>04 Anti-Ship Missile Decoy System</b>		41,962				-3,500		38,462
FY 2020 Appropriated Base		41,962						41,962
3 / Nulka decoys unit cost growth						-3,500		-3,500

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Other Procurement, Navy, 2020/2022 (1810N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i
04 Submarine Training Device Mods		75,057				-7,828		67,229
FY 2020 Appropriated Base		75,057						75,057
1 / Program increase - integrated training and maintenance support system						5,000		5,000
2 / VA SMMTT new normal software mods unjustified growth						-8,871		-8,871
2 / SMTT PH III mods kit cost growth						-3,957		-3,957
04 Surface Training Equipment		233,175				-10,528		222,647
FY 2020 Appropriated Base		233,175						233,175
2 / LCS integrated tactics trainer modernization funding ahead of need						-6,133		-6,133
2 / BFFT ship sets installation excess funding						-1,515		-1,515
2 / BFFT upgrade kits installation funding ahead of need						-2,880		-2,880
Subtotal Budget Activity 04: Ordnance Support Equipment		1,149,251				-97,586		1,051,665
Budget Activity 05: Civil Engineering Support Equip								
05 Passenger Carrying Vehicles		4,735						4,735
FY 2020 Appropriated Base		4,562						4,562
FY 2020 OCO (Title IX)		173						173
05 General Purpose Trucks		11,382				-1,500		9,882
FY 2020 Appropriated Base		10,974						10,974
2 / Prior year carryover						-1,500		-1,500
FY 2020 OCO (Title IX)		408						408
05 Construction & Maintenance Equip		43,191						43,191
FY 2020 Appropriated Base		43,191						43,191
05 Fire Fighting Equipment		21,927				-9,816		12,111
FY 2020 Appropriated Base		21,142						21,142
2 / Hazardous response vehicle - medium contract award delays						-4,868		-4,868
2 / Truck fire fighting brush/grass contract award delays						-622		-622
2 / Truck fire structural pumper contract award delays						-3,193		-3,193
2 / Truck fire fighting agent resupplier water contract award delays						-1,083		-1,083
FY 2020 OCO (Title IX)		785						785
2 / Excess cost growth						-50		-50
05 Tactical Vehicles		33,432				-1,428		32,004
FY 2020 Appropriated Base		33,432						33,432
2 / JLTV contract award delay						-1,428		-1,428
05 Pollution Control Equipment		2,633						2,633
FY 2020 Appropriated Base		2,633						2,633
05 Items Under \$5 Million		53,467						53,467
FY 2020 Appropriated Base		53,467						53,467
05 Physical Security Vehicles		1,173						1,173
FY 2020 Appropriated Base		1,173						1,173
Subtotal Budget Activity 05: Civil Engineering Support Equip		171,940				-12,744		159,196

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Navy, 2020/2022 (1810N)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Supply Support Equipment</b>								
<b>06 Supply Equipment</b>		16,830						16,830
FY 2020 Appropriated Base		16,730						16,730
FY 2020 OCO (Title IX)		100						100
<b>06 First Destination Transportation</b>		5,899						5,899
FY 2020 Appropriated Base		5,389						5,389
FY 2020 OCO (Title IX)		510						510
<b>06 Special Purpose Supply Systems</b>		654,674				-37,152		617,522
FY 2020 Appropriated Base		654,674						654,674
2 / Classified adjustment						-37,152		-37,152
<b>Subtotal Budget Activity 06: Supply Support Equipment</b>		677,403				-37,152		640,251
<b>Budget Activity 07: Personnel &amp; Command Support Equip</b>								
<b>07 Training Support Equipment</b>		3,633						3,633
FY 2020 Appropriated Base		3,633						3,633
<b>07 Training and Education Equipment</b>		97,636				-10,165		87,471
FY 2020 Appropriated Base		97,636						97,636
2 / Prior year underexecution						-6,885		-6,885
2 / A2AD training equipment unit cost growth						-180		-180
2 / Fleet training wholeness excess growth						-3,100		-3,100
<b>07 Command Support Equipment</b>		68,902				25,720		94,622
FY 2020 Appropriated Base		66,102						66,102
2 / Fleet Forces Command equipment excess growth						-10,000		-10,000
FY 2020 OCO (Title IX)		2,800						2,800
FY 2020 Disaster Relief (Title X)								
1 / China Lake Earthquake						35,720		35,720
<b>07 Medical Support Equipment</b>		5,427				7,000		12,427
FY 2020 Appropriated Base		3,633						3,633
1 / Program increase - expeditionary medical facilities						7,000		7,000
FY 2020 OCO (Title IX)		1,794						1,794
<b>07 Naval MIP Support Equipment</b>		6,097						6,097
FY 2020 Appropriated Base		6,097						6,097
<b>07 Operating Forces Support Equipment</b>		17,995						17,995
FY 2020 Appropriated Base		16,905						16,905
FY 2020 OCO (Title IX)		1,090						1,090
<b>07 C4ISR Equipment</b>		30,146				-4,315		25,831
FY 2020 Appropriated Base		30,146						30,146
2 / Deployable mission support systems kits schedule delays						-4,315		-4,315
<b>07 Environmental Support Equipment</b>		22,186						22,186
FY 2020 Appropriated Base		21,986						21,986
FY 2020 OCO (Title IX)		200						200

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title: <b>Other Procurement, Navy, 2020/2022 (1810N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>07 Physical Security Equipment</b>		<b>161,346</b>						<b>161,346</b>
FY 2020 Appropriated Base		160,046						160,046
FY 2020 OCO (Title IX)		1,300						1,300
<b>07 Enterprise Information Technology</b>		<b>56,899</b>				<b>-2,066</b>		<b>54,833</b>
FY 2020 Appropriated Base		56,899						56,899
2 / MILCON outfitting costs unjustified growth						-2,066		-2,066
<b>07 Next Generation Enterprise Service</b>		<b>122,832</b>						<b>122,832</b>
FY 2020 Appropriated Base		122,832						122,832
<b>07 Classified Programs</b>		<b>16,346</b>						<b>16,346</b>
FY 2020 Appropriated Base		16,346						16,346
<b>Subtotal Budget Activity 07: Personnel &amp; Command Support Equip</b>		<b>609,445</b>				<b>16,174</b>		<b>625,619</b>
<b>Budget Activity 08: Spares and Repair Parts</b>								
<b>08 Spares and Repair Parts</b>		<b>375,608</b>				<b>-34,017</b>		<b>341,591</b>
FY 2020 Appropriated Base		375,608						375,608
2 / Excess program growth						-34,017		-34,017
<b>Subtotal Budget Activity 08: Spares and Repair Parts</b>		<b>375,608</b>				<b>-34,017</b>		<b>341,591</b>
<b>Grand Total Other Procurement, Navy, 2020/2022</b>		<b>10,010,556</b>				<b>490,966</b>		<b>10,501,522</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		9,652,956				422,301		10,075,257
APPROPRIATION, P.L. 116-93 (OCO)		357,600				-6,350		351,250
APPROPRIATION, P.L. 116-93 (Title X)						75,015		75,015
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>10,010,556</b>				<b>490,966</b>		<b>10,501,522</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  3 / This Congressional item was realigned from Ship Missile Support Equipment to Anti-Ship Missile Decoy System. This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.   For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Procurement, Marine Corps, 2020/2022 (1109N)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Weapons and combat vehicles</b>								
<b>02 AAV7A1 PIP</b>		39,495						39,495
FY 2020 Appropriated Base		39,495						39,495
<b>02 Amphibious Combat Vehicle 1.1</b>	56	317,935				-17,000	56	300,935
FY 2020 Appropriated Base	56	317,935					56	317,935
2 / Forward financing						-15,000		-15,000
2 / Unit cost growth						-2,000		-2,000
<b>02 LAV PIP</b>		60,734						60,734
FY 2020 Appropriated Base		60,734						60,734
<b>02 155mm Lightweight Towed Howitzer</b>		25,065						25,065
FY 2020 Appropriated Base		25,065						25,065
<b>02 Artillery Weapons System</b>		100,002				-4,316		95,686
FY 2020 Appropriated Base		100,002						100,002
2 / Peculiar support equipment previously funded						-4,316		-4,316
<b>02 Weapons and Combat Vehicles Under \$5 Million</b>		31,945						31,945
FY 2020 Appropriated Base		31,945						31,945
<b>02 Modification Kits</b>		22,760						22,760
FY 2020 Appropriated Base		22,760						22,760
<b>Subtotal Budget Activity 02: Weapons and combat vehicles</b>		597,936				-21,316		576,620
<b>Budget Activity 03: Guided missiles and equipment</b>								
<b>03 Ground Based Air Defense</b>		175,998				-28,392		147,606
FY 2020 Appropriated Base		175,998						175,998
2 / Excess to need						-28,392		-28,392
<b>03 Anti-Armor Missile-Javelin</b>	97	20,207					97	20,207
FY 2020 Appropriated Base	97	20,207					97	20,207
<b>03 Family Anti-Armor Weapon Systems (FOAAWS)</b>		21,913						21,913
FY 2020 Appropriated Base		21,913						21,913
<b>03 Anti-Armor Missile-TOW</b>		60,501						60,501
FY 2020 Appropriated Base		60,501						60,501
<b>03 Guided MLRS Rocket (GMLRS)</b>	340	45,981				-1,216	340	44,765
FY 2020 Appropriated Base	210	29,062					210	29,062
2 / Unit cost discrepancy						-1,216		-1,216
FY 2020 OCO (Title IX)	130	16,919					130	16,919
<b>Subtotal Budget Activity 03: Guided missiles and equipment</b>		324,600				-29,608		294,992



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Marine Corps, 2020/2022 (1109N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Communications And Electronics Equipment</b>								
<b>04 Common Aviation Command and Control System (C</b>		37,203				-6,391		30,812
<b>FY 2020 Appropriated Base</b>		37,203						37,203
2 / AN/MRQ-13 communications subsystems upgrades						-6,391		-6,391
unjustified growth								
<b>04 Repair and Test Equipment</b>		55,156						55,156
<b>FY 2020 Appropriated Base</b>		55,156						55,156
<b>04 Modification Kits</b>		4,945						4,945
<b>FY 2020 Appropriated Base</b>		4,945						4,945
<b>04 Items Under \$5 Million (Comm &amp; Elec)</b>		112,124				-31,775		80,349
<b>FY 2020 Appropriated Base</b>		112,124						112,124
2 / Fly-away broadcast system previously funded						-2,075		-2,075
2 / Maintain level of effort						-29,700		-29,700
<b>04 Air Operations C2 Systems</b>		17,408						17,408
<b>FY 2020 Appropriated Base</b>		17,408						17,408
<b>04 Radar Systems</b>		329						329
<b>FY 2020 Appropriated Base</b>		329						329
<b>04 Ground/Air Task Oriented Radar (G/ATOR)</b>	8	273,022					8	273,022
<b>FY 2020 Appropriated Base</b>	8	273,022					8	273,022
<b>04 GCSS-MC</b>		4,484						4,484
<b>FY 2020 Appropriated Base</b>		4,484						4,484
<b>04 Fire Support System</b>		35,488						35,488
<b>FY 2020 Appropriated Base</b>		35,488						35,488
<b>04 Intelligence Support Equipment</b>		56,896						56,896
<b>FY 2020 Appropriated Base</b>		56,896						56,896
<b>04 Unmanned Air Systems (Intel)</b>		34,711				-6,675		28,036
<b>FY 2020 Appropriated Base</b>		34,711						34,711
2 / Long range/long endurance cost growth						-2,795		-2,795
2 / Short range/short endurance cost growth						-2,487		-2,487
2 / Vertical takeoff and landing system cost growth						-1,393		-1,393
<b>04 DCGS-MC</b>		32,562						32,562
<b>FY 2020 Appropriated Base</b>		32,562						32,562
<b>04 Next Generation Enterprise Network (NGEN)</b>		114,901				-19,175		95,726
<b>FY 2020 Appropriated Base</b>		114,901						114,901
2 / End user devices tech refresh previously funded						-15,998		-15,998
2 / Network equipment tech refresh excess growth						-3,900		-3,900
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						723		723
<b>04 Common Computer Resources</b>		51,094						51,094
<b>FY 2020 Appropriated Base</b>		51,094						51,094

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Marine Corps, 2020/2022 (1109N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>04 Command Post Systems</b>		<b>108,897</b>				<b>-28,000</b>		<b>80,897</b>
<b>FY 2020 Appropriated Base</b>		<b>108,897</b>						<b>108,897</b>
2 / NOTM utility task vehicle unjustified request						-28,000		-28,000
<b>04 Radio Systems</b>		<b>227,320</b>				<b>-14,102</b>		<b>213,218</b>
<b>FY 2020 Appropriated Base</b>		<b>227,320</b>						<b>227,320</b>
1 / Program increase - GBS receive suite						2,000		2,000
2 / MCM unit cost growth						-2,800		-2,800
2 / TCM ground radios sparing early to need						-4,400		-4,400
2 / Line of sight system replacements previously funded						-8,902		-8,902
<b>04 Comm Switching &amp; Control Systems</b>		<b>31,685</b>				<b>-7,904</b>		<b>23,781</b>
<b>FY 2020 Appropriated Base</b>		<b>31,685</b>						<b>31,685</b>
ECP small form factor previously funded						-7,904		-7,904
<b>04 Comm &amp; Elec Infrastructure Support</b>		<b>21,140</b>				<b>58,600</b>		<b>79,740</b>
<b>FY 2020 Appropriated Base</b>		<b>21,140</b>						<b>21,140</b>
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						58,600		58,600
<b>04 Cyberspace Activities</b>		<b>27,632</b>						<b>27,632</b>
<b>FY 2020 Appropriated Base</b>		<b>27,632</b>						<b>27,632</b>
<b>04 Classified Programs</b>		<b>5,535</b>						<b>5,535</b>
<b>FY 2020 Appropriated Base</b>		<b>5,535</b>						<b>5,535</b>
<b>Subtotal Budget Activity 04: Communications And Electronics Equipment</b>		<b>1,252,532</b>				<b>-55,422</b>		<b>1,197,110</b>
<b>Budget Activity 05: Support Vehicles</b>								
<b>05 Commercial Cargo Vehicles</b>		<b>28,913</b>						<b>28,913</b>
<b>FY 2020 Appropriated Base</b>		<b>28,913</b>						<b>28,913</b>
<b>05 Motor Transport Modifications</b>		<b>19,234</b>						<b>19,234</b>
<b>FY 2020 Appropriated Base</b>		<b>19,234</b>						<b>19,234</b>
<b>05 Joint Light Tactical Vehicle</b>	<b>1,398</b>	<b>558,107</b>				<b>-2,459</b>	<b>1,398</b>	<b>555,648</b>
<b>FY 2020 Appropriated Base</b>	<b>1,398</b>	<b>558,107</b>					<b>1,398</b>	<b>558,107</b>
2 / Engineering change orders previously funded						-2,459		-2,459
<b>05 Family of Tactical Trailers</b>		<b>2,693</b>						<b>2,693</b>
<b>FY 2020 Appropriated Base</b>		<b>2,693</b>						<b>2,693</b>
<b>05 Trailers</b>						<b>14,000</b>		<b>14,000</b>
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						14,000		14,000
<b>Subtotal Budget Activity 05: Support Vehicles</b>		<b>608,947</b>				<b>11,541</b>		<b>620,488</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Marine Corps, 2020/2022 (1109N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Engineer and Other Equipment</b>								
06 Environmental Control Equip Assort		495						495
FY 2020 Appropriated Base		495						495
06 Tactical Fuel Systems		52						52
FY 2020 Appropriated Base		52						52
06 Power Equipment Assorted		22,441						22,441
FY 2020 Appropriated Base		22,441						22,441
06 Amphibious Support Equipment		7,101						7,101
FY 2020 Appropriated Base		7,101						7,101
06 EOD Systems		48,370						48,370
FY 2020 Appropriated Base		44,700						44,700
FY 2020 OCO (Title IX)		3,670						3,670
06 Physical Security Equipment		15,404						15,404
FY 2020 Appropriated Base		15,404						15,404
06 Field Medical Equipment		2,898						2,898
FY 2020 Appropriated Base		2,898						2,898
06 Training Devices		149,567				-23,899		125,668
FY 2020 Appropriated Base		149,567						149,567
ODS unjustified request						-23,899		-23,899
06 Family of Construction Equipment		35,622						35,622
FY 2020 Appropriated Base		35,622						35,622
06 Ultra-Light Tactical Vehicle (ULTV)		647						647
FY 2020 Appropriated Base		647						647
06 Items Less Than \$5 Million		10,956						10,956
FY 2020 Appropriated Base		10,956						10,956
<b>Subtotal Budget Activity 06: Engineer and Other Equipment</b>		<b>293,553</b>				<b>-23,899</b>		<b>269,654</b>
<b>Budget Activity 07: Spares and Repair Parts</b>								
07 Spares and Repair Parts		33,470						33,470
FY 2020 Appropriated Base		33,470						33,470
<b>Subtotal Budget Activity 07: Spares and Repair Parts</b>		<b>33,470</b>						<b>33,470</b>
<b>Grand Total Procurement, Marine Corps, 2020/2022</b>		<b>3,111,038</b>				<b>-118,704</b>		<b>2,992,334</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		3,090,449				-192,027		2,898,422
APPROPRIATION, P.L. 116-93 (OCO)		20,589						20,589
APPROPRIATION, P.L. 116-93 (Title X)						73,323		73,323
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>3,111,038</b>				<b>-118,704</b>		<b>2,992,334</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Basic Research</b>								
<b>01 0601103N University Research Initiatives</b>		<b>116,850</b>				<b>51,000</b>		<b>167,850</b>
<b>FY 2020 Appropriated Base</b>		<b>116,850</b>						<b>116,850</b>
1 / Program increase - university research initiatives						20,000		20,000
1 / Program increase - defense university research instrumentation program						10,000		10,000
1 / Program increase - multi-disciplinary university research initiative program						5,000		5,000
1 / Program increase - advanced digital radars						8,000		8,000
1 / Program increase - aircraft fleet readiness and sustainment						8,000		8,000
<b>01 0601152N In-House Laboratory Independent Research</b>		<b>19,121</b>						<b>19,121</b>
<b>FY 2020 Appropriated Base</b>		<b>19,121</b>						<b>19,121</b>
<b>01 0601153N Defense Research Sciences</b>		<b>470,007</b>				<b>-6,178</b>		<b>463,829</b>
<b>FY 2020 Appropriated Base</b>		<b>470,007</b>						<b>470,007</b>
1 / Program increase - Navy ROTC cybersecurity training program						5,500		5,500
2 / Mathematics, computer, and information sciences unjustified growth						-11,678		-11,678
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>605,978</b>				<b>44,822</b>		<b>650,800</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Applied Research</b>								
<b>02 0602114N</b>	<b>Power Projection Applied Research</b>					<b>10,000</b>		<b>28,546</b>
	<b>FY 2020 Appropriated Base</b>							<b>18,546</b>
1 /	Program increase - microwave systems for counter-UAS defense					10,000		10,000
<b>02 0602123N</b>	<b>Force Protection Applied Research</b>					<b>96,000</b>		<b>215,517</b>
	<b>FY 2020 Appropriated Base</b>							<b>119,517</b>
1 /	Program increase - energy resilience efforts					8,000		8,000
1 /	Program increase - coastal environmental research					5,000		5,000
1 /	Program increase - power generation and storage research					5,000		5,000
1 /	Program increase - platform reliability and advanced technical research					3,500		3,500
1 /	Program increase - advanced energetics research					10,000		10,000
1 /	Program increase - electric propulsion for military craft and advanced planing hulls					5,000		5,000
1 /	Program increase - hybrid composite structures research for enhanced mobility					5,000		5,000
1 /	Program increase - test bed for autonomous ship systems					4,000		4,000
1 /	Program increase - talent and technology for Navy power and energy systems					9,500		9,500
1 /	Program increase - compact high flow fan					4,000		4,000
1 /	Program increase - network cyber security and resiliency					4,000		4,000
1 /	Program increase - Navy alternative energy research, development, testing and deployment					20,000		20,000
1 /	Program increase - data-model fusion for naval platforms and systems					5,000		5,000
1 /	Program increase - blue carbon capture/direct air capture					8,000		8,000
<b>02 0602131M</b>	<b>Marine Corps Landing Force Technology</b>					<b>12,500</b>		<b>69,104</b>
	<b>FY 2020 Appropriated Base</b>							<b>56,604</b>
1 /	Program increase					5,000		5,000
1 /	Program increase - interdisciplinary expeditionary cybersecurity research					7,500		7,500
<b>02 0602235N</b>	<b>Common Picture Applied Research</b>					<b>-6,451</b>		<b>42,846</b>
	<b>FY 2020 Appropriated Base</b>							<b>49,297</b>
2 /	Applied information sciences for decision making excess growth					-6,451		-6,451

Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title:							Fiscal Year Program:			
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)							2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02	0602236N	Warfighter Sustainment Applied Research		63,825				32,000		95,825
		FY 2020 Appropriated Base		63,825						63,825
	1 /	Program increase - laser peening technology						4,000		4,000
	1 /	Program increase - lightweight anti-corrosion nanotechnology coating enhancement						5,000		5,000
	1 /	Program increase - polymer coatings for reduced ice and fouling adhesion						6,000		6,000
	1 /	Program increase - undersea domain human performance requirements						3,000		3,000
	1 /	Program increase - engineered systems to prevent hearing loss						5,000		5,000
	1 /	Program increase - extreme environment warfighter safety research						4,000		4,000
	1 /	Program increase - female musculoskeletal research						5,000		5,000
02	0602271N	Electromagnetic Systems Applied Research		83,497				5,000		88,497
		FY 2020 Appropriated Base		83,497						83,497
	1 /	Program increase - electromagnetic systems applied research						5,000		5,000
02	0602435N	Ocean Warfighting Environment Applied Research		63,894				18,688		82,582
		FY 2020 Appropriated Base		63,894						63,894
	1 /	Program increase - naval special warfare						10,000		10,000
	1 /	Program increase - task force ocean						10,000		10,000
	1 /	Program increase - arctic geospatial information						2,500		2,500
	2 /	Unjustified growth						-3,812		-3,812
02	0602651M	Joint Non-Lethal Weapons Applied Research		6,346						6,346
		FY 2020 Appropriated Base		6,346						6,346
02	0602747N	Undersea Warfare Applied Research		57,075				41,000		98,075
		FY 2020 Appropriated Base		57,075						57,075
	1 /	Program increase - undersea sensing and communications						5,000		5,000
	1 /	Program increase - energetics and warhead technology development						8,000		8,000
	1 /	Program increase - Navy and academia submarine partnerships						10,000		10,000
	1 /	Program increase - machine discovery and invention						4,000		4,000
	1 /	Program increase - instrumented tow cable						5,000		5,000
	1 /	Program increase - Navy undersea warfare science and technology strategy						2,000		2,000
	1 /	Program increase - autonomous undersea robotics systems						7,000		7,000

Base for Reprogramming Actions										
(Dollars in Thousands)										
Appropriation Account Title:							Fiscal Year Program:			
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)							2020			
Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02	0602750N	Future Naval Capabilities Applied Research		154,755				-2,743		152,012
		FY 2020 Appropriated Base		154,755						154,755
	1 /	Program increase - C4ISR and special projects						4,000		4,000
	2 /	Sea warfare and weapons excess growth						-4,183		-4,183
	2 /	Advanced analytics and decision making unjustified growth						-2,560		-2,560
02	0602782N	Mine and Expeditionary Warfare Applied Research		36,074				18,000		54,074
		FY 2020 Appropriated Base		36,074						36,074
	1 /	Program increase - underwater mine defeat capabilities urgent operational need						10,000		10,000
	1 /	Program increase - clandestine mine neutralization						8,000		8,000
02	0602792N	Innovative Naval Prototypes (INP) Applied Research		153,062				-708		152,354
		FY 2020 Appropriated Base		153,062						153,062
	1 /	Program increase - thermoplastic carbon-fiber composite materials research						4,000		4,000
	1 /	Program increase - thermoplastic tailorable universal feedstock composites						2,000		2,000
	2 /	Artificial intelligence excess growth						-2,974		-2,974
	2 /	Cyber excess growth						-3,734		-3,734
02	0602861N	Science and Technology Management - ONR Field Activities		73,961						73,961
		FY 2020 Appropriated Base		73,961						73,961
Subtotal Budget Activity 02: Applied Research				936,453				223,286		1,159,739

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603123N		35,286				5,000		40,286
		FY 2020 Appropriated Base						35,286
1 /		Program increase - additive manufacturing for functional alloys				5,000		5,000
03 0603271N		9,499						9,499
		FY 2020 Appropriated Base						9,499
03 0603640M		172,847				39,500		212,347
		FY 2020 Appropriated Base						172,847
1 /		Program increase - robotic protection system				5,000		5,000
1 /		Program increase - expeditionary mission planning enabled by high fidelity simulation				10,000		10,000
1 /		Program increase - extended range 155mm projectile				2,500		2,500
1 /		Program increase - adaptive threat force				7,000		7,000
1 /		Program increase - air drop extended range munitions				15,000		15,000
03 0603651M		13,307						13,307
		Joint Non-Lethal Weapons Technology Development						13,307
		FY 2020 Appropriated Base						13,307
03 0603673N		231,907				-9,430		222,477
		FY 2020 Appropriated Base						231,907
1 /		Program increase - automated critical care system				1,200		1,200
2 /		Expeditionary maneuver warfare excess growth				-8,280		-8,280
2 /		Surface warfare excess growth				-2,350		-2,350
03 0603680N		60,138				5,000		65,138
		Manufacturing Technology Program						60,138
		FY 2020 Appropriated Base						60,138
1 /		Program increase - modern shipbuilding manufacturing				5,000		5,000
03 0603729N		4,849				29,300		34,149
		Warfighter Protection Advanced Technology						4,849
		FY 2020 Appropriated Base						4,849
1 /		Program increase - bone marrow registry program				24,300		24,300
1 /		Program increase - novel therapeutic interventions research				5,000		5,000
03 0603758N		67,739						67,739
		Navy Warfighting Experiments and Demonstrations						67,739
		FY 2020 Appropriated Base						67,739
03 0603782N		13,335						13,335
		Mine and Expeditionary Warfare Advanced Technology						13,335
		FY 2020 Appropriated Base						13,335
03 0603801N		133,303				-4,300		129,003
		Innovative Naval Prototypes (INP) Advanced Technology Development						133,303
		FY 2020 Appropriated Base						133,303
1 /		Program increase - advanced thermal and power technology for improved DEW SWAP				8,000		8,000
2 /		Artificial intelligence excess growth				-3,189		-3,189
2 /		Fund excess to requirements				-9,111		-9,111
Subtotal Budget Activity 03: Advanced Technology Development		742,210				65,070		807,280



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Advanced Component Development &amp; Prototypes</b>								
04 0603207N Air/Ocean Tactical Applications		35,043				8,000		43,043
FY 2020 Appropriated Base		32,643						32,643
1 / Program increase - long duration autonomous hydrographic survey						8,000		8,000
FY 2020 OCO (Title IX)		2,400						2,400
04 0603216N Aviation Survivability		11,919						11,919
FY 2020 Appropriated Base		11,919						11,919
04 0603251N Aircraft Systems		1,473						1,473
FY 2020 Appropriated Base		1,473						1,473
04 0603254N ASW Systems Development		7,172						7,172
FY 2020 Appropriated Base		7,172						7,172
04 0603261N Tactical Airborne Reconnaissance		3,419						3,419
FY 2020 Appropriated Base		3,419						3,419
04 0603382N Advanced Combat Systems Technology		64,694				-6,747		57,947
FY 2020 Appropriated Base		64,694						64,694
2 / Project 3438 HIJENKS concurrency						-3,197		-3,197
2 / Project 3422 unit cost growth and excessive continuous prototyping						-3,550		-3,550
04 0603502N Surface and Shallow Water Mine Countermeasures		507,000				-99,200		407,800
FY 2020 Appropriated Base		507,000						507,000
2 / Project 3066 long lead material early to need						-79,200		-79,200
2 / Project 3066 - initial incremental no-VLS concept design only						-20,000		-20,000
04 0603506N Surface Ship Torpedo Defense		15,800				-8,558		7,242
FY 2020 Appropriated Base		15,800						15,800
2 / Excess sundown costs						-8,558		-8,558
04 0603512N Carrier Systems Development		4,997						4,997
FY 2020 Appropriated Base		4,997						4,997
04 0603525N PILOT FISH		291,148				-94,500		196,648
FY 2020 Appropriated Base		291,148						291,148
2 / Program adjustment						-94,500		-94,500
04 0603527N RETRACT LARCH		33,980						33,980
FY 2020 Appropriated Base		11,980						11,980
FY 2020 OCO (Title IX)		22,000						22,000
04 0603536N RETRACT JUNIPER		129,163						129,163
FY 2020 Appropriated Base		129,163						129,163
04 0603542N Radiological Control		689						689
FY 2020 Appropriated Base		689						689
04 0603553N Surface ASW		1,137						1,137
FY 2020 Appropriated Base		1,137						1,137

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>04 0603561N Advanced Submarine System Development</b>		<b>148,756</b>				<b>-33,039</b>		<b>115,717</b>
<b>FY 2020 Appropriated Base</b>		<b>148,756</b>						<b>148,756</b>
1 / Program increase - small business technology insertion						10,000		10,000
2 / Project 2033 contract delays						-575		-575
2 / Project 3391 contract delays						-640		-640
2 / Project 9710 unjustified new start						-9,790		-9,790
2 / Project 9710 lack of acquisition strategies						-28,899		-28,899
2 / Project 2096 material purchases growth early to need						-3,135		-3,135
<b>04 0603562N Submarine Tactical Warfare Systems</b>		<b>11,192</b>						<b>11,192</b>
<b>FY 2020 Appropriated Base</b>		<b>11,192</b>						<b>11,192</b>
<b>04 0603563N Ship Concept Advanced Design</b>		<b>81,846</b>				<b>15,000</b>		<b>96,846</b>
<b>FY 2020 Appropriated Base</b>		<b>81,846</b>						<b>81,846</b>
1 / Program increase - additive manufacturing						5,000		5,000
3 / Realigned from PE 0702207N Depot Maintenance (Non-IF).						10,000		10,000
<b>04 0603564N Ship Preliminary Design &amp; Feasibility Studies</b>		<b>69,084</b>				<b>-46,550</b>		<b>22,534</b>
<b>FY 2020 Appropriated Base</b>		<b>69,084</b>						<b>69,084</b>
2 / Future surface combatant concept development early to need						-46,550		-46,550
<b>04 0603570N Advanced Nuclear Power Systems</b>		<b>181,652</b>						<b>181,652</b>
<b>FY 2020 Appropriated Base</b>		<b>181,652</b>						<b>181,652</b>
<b>04 0603573N Advanced Surface Machinery Systems</b>		<b>25,408</b>				<b>62,000</b>		<b>87,408</b>
<b>FY 2020 Appropriated Base</b>		<b>25,408</b>						<b>25,408</b>
1 / Program increase - silicon carbide power modules						7,000		7,000
1 / Program increase - advanced power electronics integration						5,000		5,000
1 / Program increase - surface combatant component-level prototyping						50,000		50,000
<b>04 0603576N CHALK EAGLE</b>		<b>64,877</b>				<b>-10,000</b>		<b>54,877</b>
<b>FY 2020 Appropriated Base</b>		<b>64,877</b>						<b>64,877</b>
2 / Insufficient budget justification						-10,000		-10,000
<b>04 0603581N Littoral Combat Ship (LCS)</b>		<b>9,934</b>				<b>7,000</b>		<b>16,934</b>
<b>FY 2020 Appropriated Base</b>		<b>9,934</b>						<b>9,934</b>
1 / Program increase - integrated fire control land-based test asset						7,000		7,000
<b>04 0603582N Combat System Integration</b>		<b>17,251</b>						<b>17,251</b>
<b>FY 2020 Appropriated Base</b>		<b>17,251</b>						<b>17,251</b>
<b>04 0603595N Ohio Replacement</b>		<b>419,051</b>				<b>8,000</b>		<b>427,051</b>
<b>FY 2020 Appropriated Base</b>		<b>419,051</b>						<b>419,051</b>
1 / Program increase - materials for submarine propulsor applications						8,000		8,000
<b>04 0603596N LCS Mission Modules</b>		<b>108,505</b>						<b>108,505</b>
<b>FY 2020 Appropriated Base</b>		<b>108,505</b>						<b>108,505</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04	0603597N		7,653				35,000		42,653
	Automated Test and Analysis		7,653						7,653
	FY 2020 Appropriated Base		7,653						7,653
	1 / Program increase -ONR CTE						35,000		35,000
04	0603599N		59,007						59,007
	Frigate Development		59,007						59,007
	FY 2020 Appropriated Base		59,007						59,007
04	0603609N		9,988						9,988
	Conventional Munitions		9,988						9,988
	FY 2020 Appropriated Base		9,988						9,988
04	0603635M		86,464				-34,467		51,997
	Marine Corps Ground Combat/Support System		86,464						86,464
	FY 2020 Appropriated Base		86,464						86,464
	2 / Project 1558 concurrency/prototype manufacturing early to need						-6,000		-6,000
	2 / Project 1558 excess program management						-1,387		-1,387
	2 / Project 1964 unjustified request						-980		-980
	2 / Project 2614 unjustified request						-500		-500
	2 / Project 7400 NMESIS Phase 1a excess to need and future improvements						-15,400		-15,400
	2 / Project 7400 sea mob amphibious reconnaissance capability product development						-10,200		-10,200
04	0603654N		47,656						47,656
	Joint Service Explosive Ordnance Development		47,656						47,656
	FY 2020 Appropriated Base		33,478						33,478
	FY 2020 OCO (Title IX)		14,178						14,178
04	0603713N		5,619						5,619
	Ocean Engineering Technology Development		5,619						5,619
	FY 2020 Appropriated Base		5,619						5,619
04	0603721N		20,564						20,564
	Environmental Protection		20,564						20,564
	FY 2020 Appropriated Base		20,564						20,564
04	0603724N		26,514				31,500		58,014
	Navy Energy Program		26,514						26,514
	FY 2020 Appropriated Base		26,514						26,514
	1 / Program increase						15,000		15,000
	1 / Program increase - marine energy systems for sensors and microgrids						11,500		11,500
	1 / Program increase - navy energy program/shore energy						5,000		5,000
04	0603725N		3,440						3,440
	Facilities Improvement		3,440						3,440
	FY 2020 Appropriated Base		3,440						3,440
04	0603734N		346,800				-39,408		307,392
	CHALK CORAL		346,800						346,800
	FY 2020 Appropriated Base		346,800						346,800
	2 / Program adjustment						-39,408		-39,408
04	0603739N		3,857						3,857
	Navy Logistic Productivity		3,857						3,857
	FY 2020 Appropriated Base		3,857						3,857
04	0603746N		258,519				-16,375		242,144
	RETRACT MAPLE		258,519						258,519
	FY 2020 Appropriated Base		258,519						258,519
	2 / Program adjustment						-16,375		-16,375

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
04	0603748N		403,909				-7,400	396,509
	LINK PLUMERIA							
	FY 2020 Appropriated Base		403,909					403,909
	2 / Program adjustment						-7,400	-7,400
04	0603751N		63,434					63,434
	RETRACT ELM							
	FY 2020 Appropriated Base		63,434					63,434
04	0603764N		184,110				-16,375	167,735
	LINK EVERGREEN							
	FY 2020 Appropriated Base		184,110					184,110
	2 / Program adjustment						-16,375	-16,375
04	0603790N		7,697					7,697
	NATO Research and Development							
	FY 2020 Appropriated Base		7,697					7,697
04	0603795N		10,514				-3,186	7,328
	Land Attack Technology							
	FY 2020 Appropriated Base		9,086					9,086
	2 / Project 3401 lack of acquisition strategy						-3,186	-3,186
	FY 2020 OCO (Title IX)		1,428					1,428
04	0603851M		28,466					28,466
	Joint Non-Lethal Weapons Testing							
	FY 2020 Appropriated Base		28,466					28,466
04	0603860N		51,341					51,341
	Joint Precision Approach and Landing Systems - Dem/Val							
	FY 2020 Appropriated Base		51,341					51,341
04	0603925N		118,169				17,750	135,919
	Directed Energy and Electric Weapon Systems							
	FY 2020 Appropriated Base		118,169					118,169
	1 / Program increase - high energy laser weapon system for counter-UAS area defense						10,000	10,000
	1 / Program increase - railgun						10,000	10,000
	2 / Project 2731 test and evaluation early to need						-2,250	-2,250
04	0604014N		113,456				-1,040	112,416
	F/A -18 Infrared Search and Track (IRST)							
	FY 2020 Appropriated Base		113,456					113,456
	2 / Hardware development contract delay						-1,040	-1,040
04	0604027N		50,120				-13,120	37,000
	Digital Warfare Office							
	FY 2020 Appropriated Base		50,120					50,120
	2 / Project 3255 unjustified request						-10,000	-10,000
	2 / Project 3425 unjustified growth						-3,120	-3,120
04	0604028N		32,527				14,734	47,261
	Small and Medium Unmanned Undersea Vehicles							
	FY 2020 Appropriated Base		32,527					32,527
	Navy requested transfer from OPN line 30 only for MCM UUV UON						14,734	14,734
04	0604029N		54,376				-12,466	41,910
	Unmanned Undersea Vehicle Core Technologies							
	FY 2020 Appropriated Base		54,376					54,376
	2 / Project 4053 duplicative efforts						-12,466	-12,466
04	0604030N		36,197				-5,197	31,000
	Rapid Prototyping, Experimentation and Demonstration.							
	FY 2020 Appropriated Base		36,197					36,197
	2 / Unjustified request						-5,197	-5,197

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04 0604031N		68,310						68,310
		68,310						68,310
04 0604112N		121,310				-15,554		105,756
		121,310						121,310
2 / Integrated digital shipbuilding insufficient budget justification						-9,000		-9,000
2 / Revised test schedule						-6,554		-6,554
04 0604126N		17,248				3,000		20,248
		17,248						17,248
1 / Program increase - coastal battlefield reconnaissance and analysis system						3,000		3,000
04 0604127N		18,735						18,735
		18,735						18,735
04 0604272N		68,346				-9,897		58,449
		68,346						68,346
2 / Project 3348 product development previously funded						-9,897		-9,897
04 0604289M		4,420				15,000		19,420
		4,420						4,420
1 / Program increase - construction robotics						5,000		5,000
1 / Program increase - large-scale 3D printing robotic system						10,000		10,000
04 0604320M		4,558						4,558
		4,558						4,558
04 0604454N		12,500						12,500
		12,500						12,500
04 0604536N		181,967				5,220		187,187
		181,967						181,967
1 / Program increase - XLUV competitive risk reduction						15,000		15,000
2 / Testing early to need						-2,250		-2,250
2 / Dual-vendor award acquisition strategy						-7,530		-7,530
04 0604636N		5,500				-2,400		3,100
		5,500						5,500
2 / System development duplication						-2,400		-2,400
04 0604659N		718,148				-80,894		637,254
		718,148						718,148
2 / Conventional prompt global strike unexecutable growth						-80,894		-80,894
04 0604707N		5,263						5,263
		5,263						5,263

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>04 0604786N</b>		<b>65,419</b>				<b>50,000</b>		<b>115,419</b>
<b>Offensive Anti-Surface Warfare Weapon Development</b>								
<b>FY 2020 Appropriated Base</b>		<b>65,419</b>						<b>65,419</b>
1 / Program increase - LRASM 1.1 capability improvements						50,000		50,000
<b>04 0303354N</b>		<b>9,991</b>						<b>9,991</b>
<b>ASW Systems Development - MIP</b>								
<b>FY 2020 Appropriated Base</b>		<b>9,991</b>						<b>9,991</b>
<b>04 0304240M</b>		<b>21,157</b>				<b>24,250</b>		<b>45,407</b>
<b>Advanced Tactical Unmanned Aircraft System</b>								
<b>FY 2020 Appropriated Base</b>		<b>21,157</b>						<b>21,157</b>
1 / Program increase - mobile unmanned/manned distributed lethality airborne network and fused integrated naval network						14,000		14,000
1 / Program increase - large unmanned logistics systems air development						18,500		18,500
2 / Project 3135 acquisition and funding strategy						-8,250		-8,250
<b>04 0304270N</b>		<b>609</b>						<b>609</b>
<b>Electronic Warfare Development - MIP</b>								
<b>FY 2020 Appropriated Base</b>		<b>609</b>						<b>609</b>
<b>04 0603764M</b>						<b>30,000</b>		<b>30,000</b>
<b>LINK EVERGREEN</b>								
<b>FY 2020 Appropriated Base</b>								
4 / Realigned from BA07 Classified Programs for proper execution.						30,000		30,000
<b>Subtotal Budget Activity 04: Advanced Component Development &amp; Prototypes</b>		<b>5,599,068</b>				<b>-229,919</b>		<b>5,369,149</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: System Development &amp; Demonstration</b>								
05 0603208N Training System Aircraft		15,514						15,514
FY 2020 Appropriated Base		15,514						15,514
05 0604212N Other Helo Development		28,835				10,000		38,835
FY 2020 Appropriated Base		28,835						28,835
1 / Program increase - attack and utility helicopter replacement						10,000		10,000
05 0604214M AV-8B Aircraft - Eng Dev		27,441						27,441
FY 2020 Appropriated Base		27,441						27,441
05 0604215N Standards Development		3,642						3,642
FY 2020 Appropriated Base		3,642						3,642
05 0604216N Multi-Mission Helicopter Upgrade Development		19,196						19,196
FY 2020 Appropriated Base		19,196						19,196
05 0604230N Warfare Support System		8,601						8,601
FY 2020 Appropriated Base		8,601						8,601
05 0604231N Tactical Command System		77,232				-3,312		73,920
FY 2020 Appropriated Base		77,232						77,232
2 / Project 2345 duplicative efforts						-72		-72
2 / Naval operational supply system previously funded						-3,240		-3,240
05 0604234N Advanced Hawkeye		232,752				-6,156		226,596
FY 2020 Appropriated Base		232,752						232,752
1 / Program increase - E-2D Hawkeye radar						12,000		12,000
2 / Data fusion schedule delays						-2,473		-2,473
2 / Counter electronic attack early to need						-4,720		-4,720
2 / Theater combat identification early to need						-7,043		-7,043
2 / ALQ-217 electronic support measures upgrade and survivability early to need						-3,920		-3,920
05 0604245M H-1 Upgrades		65,359				-4,368		60,991
FY 2020 Appropriated Base		65,359						65,359
2 / Weapons and sensors testing and integration unjustified growth						-4,368		-4,368
05 0604261N Acoustic Search Sensors		47,013						47,013
FY 2020 Appropriated Base		47,013						47,013
05 0604262N V-22A		185,105				6,130		191,235
FY 2020 Appropriated Base		185,105						185,105
1 / Program increase - active vibration control system						5,000		5,000
1 / Program increase - common lightweight cargo system						8,350		8,350
2 / V-22 multi-spectral sensor/helmet mounted display previously funded						-7,220		-7,220
05 0604264N Air Crew Systems Development		21,172				-2,000		19,172
FY 2020 Appropriated Base		21,172						21,172
2 / Schedule delays						-2,000		-2,000

Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title:							Fiscal Year Program:		
<b>Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)</b>							<b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	0604269N	EA-18	143,585				-19,948		123,637
		FY 2020 Appropriated Base	143,585						143,585
	2 /	EA-18G design and avionics integration unjustified growth					-19,948		-19,948
05	0604270N	Electronic Warfare Development	116,811				-2,462		114,349
		FY 2020 Appropriated Base	116,811						116,811
	2 /	Jammer techniques optimization excess growth					-1,634		-1,634
	2 /	Software reprogrammable payload unjustified growth					-828		-828
05	0604273M	Executive Helo Development	187,436				-11,225		176,211
		FY 2020 Appropriated Base	187,436						187,436
	2 /	VH-92A improvements early to need					-11,225		-11,225
05	0604274N	Next Generation Jammer (NGJ)	524,261				-32,377		491,884
		FY 2020 Appropriated Base	524,261						524,261
	2 /	Hardware procurement contract delays					-15,919		-15,919
	2 /	Test and evaluation delays					-16,458		-16,458
05	0604280N	Joint Tactical Radio System - Navy (JTRS-Navy)	192,345				-1,656		190,689
		FY 2020 Appropriated Base	192,345						192,345
	2 /	Network tactical common data link excess growth					-1,656		-1,656
05	0604282N	Next Generation Jammer (NGJ) Increment II	111,068				-20,146		90,922
		FY 2020 Appropriated Base	111,068						111,068
	2 /	System engineering failure to comply with congressional direction					-9,568		-9,568
	2 /	Aircraft integration early to need					-7,190		-7,190
	2 /	Change in acquisition strategy					-3,388		-3,388
05	0604307N	Surface Combatant Combat System Engineering	415,625				-39,944		375,681
		FY 2020 Appropriated Base	415,625						415,625
	2 /	Aegis development support studies and analysis early to need					-1,941		-1,941
	2 /	Combat systems test bed build 4 early to need					-2,978		-2,978
	2 /	Aegis BL 9 unjustified scope expansion					-35,025		-35,025
05	0604311N	LPD-17 Class Systems Integration	640						640
		FY 2020 Appropriated Base	640						640
05	0604329N	Small Diameter Bomb (SDB)	50,096						50,096
		FY 2020 Appropriated Base	50,096						50,096
05	0604366N	Standard Missile Improvements	232,391				-37,095		195,296
		FY 2020 Appropriated Base	232,391						232,391
	1 /	Program increase - advanced carbon nanotube materials research					7,000		7,000
	2 /	Project 0439 schedule delays					-5,000		-5,000
	2 /	Project 2063 contract award delays					-39,095		-39,095
05	0604373N	Airborne MCM	10,916						10,916
		FY 2020 Appropriated Base	10,916						10,916



Base for Reprogramming Actions								
(Dollars in Thousands)								
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Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
05	0604378N							
	Naval Integrated Fire Control - Counter Air Systems Engineering		33,379				-3,295	30,084
	FY 2020 Appropriated Base		33,379					33,379
	2 / Project 3159 contract delays						-3,295	-3,295
05	0604501N							
	Advanced Above Water Sensors		34,554				-4,375	30,179
	FY 2020 Appropriated Base		34,554					34,554
	2 / Project 3408 concurrency						-4,375	-4,375
05	0604503N							
	SSN-688 and Trident Modernization		84,663				-6,038	78,625
	FY 2020 Appropriated Base		84,663					84,663
	2 / Project 0775 future efforts early to need						-6,038	-6,038
05	0604504N							
	Air Control		44,923					44,923
	FY 2020 Appropriated Base		44,923					44,923
05	0604512N							
	Shipboard Aviation Systems		10,632				4,000	14,632
	FY 2020 Appropriated Base		10,632					10,632
	1 / Program increase - aircraft launch and recovery equipment software improvements						4,000	4,000
05	0604518N							
	Combat Information Center Conversion		16,094					16,094
	FY 2020 Appropriated Base		16,094					16,094
05	0604522N							
	Air and Missile Defense Radar (AMDR) System		55,349				-17,000	38,349
	FY 2020 Appropriated Base		55,349					55,349
	2 / Engineering changes testing and evaluation early to need						-3,000	-3,000
	2 / Advanced distributed radar development and integration concurrency						-14,000	-14,000
05	0604530N							
	Advanced Arresting Gear (AAG)		123,490				-995	122,495
	FY 2020 Appropriated Base		123,490					123,490
	2 / AAG training schedule delay						-995	-995
05	0604558N							
	New Design SSN		121,010				200,000	321,010
	FY 2020 Appropriated Base		121,010					121,010
	Transfer from SC,N line 3 for design risk reduction						100,000	100,000
	Transfer from SC,N line 3 for future capability development						100,000	100,000
05	0604562N							
	Submarine Tactical Warfare System		62,426					62,426
	FY 2020 Appropriated Base		62,426					62,426
05	0604567N							
	Ship Contract Design/ Live Fire T&E		46,809					46,809
	FY 2020 Appropriated Base		46,809					46,809
05	0604574N							
	Navy Tactical Computer Resources		3,692					3,692
	FY 2020 Appropriated Base		3,692					3,692
05	0604601N							
	Mine Development		28,964				27,500	56,464
	FY 2020 Appropriated Base		28,964					28,964
	1 / Program increase - quick strike joint direct attack munition						27,500	27,500

Base for Reprogramming Actions									
(Dollars in Thousands)									
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Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)							2020		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	0604610N								
	Lightweight Torpedo Development		148,349				-39,000		109,349
	FY 2020 Appropriated Base		148,349						148,349
	2 / Project 3418 program delays						-39,000		-39,000
05	0604654N								
	Joint Service Explosive Ordnance Development		8,237						8,237
	FY 2020 Appropriated Base		8,237						8,237
05	0604657M								
	USMC Ground Combat/Supporting Arms Systems - Eng Dev		22,000				-1,915		20,085
	FY 2020 Appropriated Base		22,000						22,000
	2 / testing early to need						-1,915		-1,915
05	0604703N								
	Personnel, Training, Simulation, and Human Factors		5,500						5,500
	FY 2020 Appropriated Base		5,500						5,500
05	0604727N								
	Joint Standoff Weapon Systems		18,725				-2,500		16,225
	FY 2020 Appropriated Base		18,725						18,725
	2 / Support excess to need						-2,500		-2,500
05	0604755N								
	Ship Self Defense (Detect & Control)		193,725				-14,000		179,725
	FY 2020 Appropriated Base		192,603						192,603
	2 / Project 2178 CSEA contract award delays						-14,000		-14,000
	FY 2020 OCO (Title IX)		1,122						1,122
05	0604756N								
	Ship Self Defense (Engage: Hard Kill)		137,268				-22,138		115,130
	FY 2020 Appropriated Base		137,268						137,268
	2 / Project 0173 block 2 obsolescence and redesign early to need						-5,000		-5,000
	2 / MK 73 tracker -illuminator unjustified new start						-1,500		-1,500
	2 / Project 2070 excess test assets						-15,638		-15,638
05	0604757N								
	Ship Self Defense (Engage: Soft Kill/EW)		97,363				-2,081		95,282
	FY 2020 Appropriated Base		97,363						97,363
	2 / Project 3316 testing delays						-2,081		-2,081
05	0604761N								
	Intelligence Engineering		26,710				18,900		45,610
	FY 2020 Appropriated Base		26,710						26,710
	1 / Program increase - countermeasure development						3,900		3,900
	1 / Program increase - physiological episodes research						15,000		15,000
05	0604771N								
	Medical Development		8,181				25,000		33,181
	FY 2020 Appropriated Base		8,181						8,181
	1 / Program increase - wound care research						10,000		10,000
	1 / Program increase - military dental research						10,000		10,000
	1 / Program increase - physiological episodes research						5,000		5,000
05	0604777N								
	Navigation/ID System		40,755				5,000		45,755
	FY 2020 Appropriated Base		40,755						40,755
	1 / Program increase - development of lightweight security identification Friend of Foe transmitter						5,000		5,000
05	0604800M								
	Joint Strike Fighter (JSF) - EMD		1,710						1,710
	FY 2020 Appropriated Base		1,710						1,710

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>05 0604800N Joint Strike Fighter (JSF) - EMD</b>		<b>1,490</b>						<b>1,490</b>
<b>FY 2020 Appropriated Base</b>		<b>1,490</b>						<b>1,490</b>
<b>05 0605013M Information Technology Development</b>		<b>1,494</b>						<b>1,494</b>
<b>FY 2020 Appropriated Base</b>		<b>1,494</b>						<b>1,494</b>
<b>05 0605013N Information Technology Development</b>		<b>384,162</b>				<b>-115,615</b>		<b>268,547</b>
<b>FY 2020 Appropriated Base</b>		<b>384,162</b>						<b>384,162</b>
1 / Program increase - NAVSEA readiness and logistics information technology digital transformation plan						8,000		8,000
2 / Electronic procurement system contract award delay						-11,877		-11,877
2 / Single point of entry contract award delay						-9,869		-9,869
2 / Navy personnel and pay - rapid fielding prototype concurrency						-51,805		-51,805
2 / NMMES-TR excess growth						-14,767		-14,767
2 / Aviation logistics environment contract delay						-14,703		-14,703
2 / Dynamic scheduling unjustified request						-2,038		-2,038
2 / Vector unjustified request						-1,676		-1,676
2 / Execution delays						-16,880		-16,880
<b>05 0605024N Anti-Tamper Technology Support</b>		<b>4,882</b>						<b>4,882</b>
<b>FY 2020 Appropriated Base</b>		<b>4,882</b>						<b>4,882</b>
<b>05 0605212M CH-53K RDTE</b>		<b>516,955</b>				<b>-10,000</b>		<b>506,955</b>
<b>FY 2020 Appropriated Base</b>		<b>516,955</b>						<b>516,955</b>
2 / Early to need						-10,000		-10,000
<b>05 0605215N Mission Planning</b>		<b>75,886</b>				<b>-3,320</b>		<b>72,566</b>
<b>FY 2020 Appropriated Base</b>		<b>75,886</b>						<b>75,886</b>
2 / CMBRE excess support costs						-3,320		-3,320
<b>05 0605217N Common Avionics</b>		<b>43,187</b>				<b>-6,132</b>		<b>37,055</b>
<b>FY 2020 Appropriated Base</b>		<b>43,187</b>						<b>43,187</b>
2 / Ground proximity warning system/terrain awareness warning system previously funded						-1,675		-1,675
2 / Avionics architectures team unjustified growth						-4,457		-4,457
<b>05 0605220N Ship to Shore Connector (SSC)</b>		<b>4,909</b>				<b>15,000</b>		<b>19,909</b>
<b>FY 2020 Appropriated Base</b>		<b>4,909</b>						<b>4,909</b>
1 / Program increase - advanced materials and manufacturing for naval hovercraft applications						15,000		15,000
<b>05 0605327N T-AO 205 Class</b>		<b>1,682</b>						<b>1,682</b>
<b>FY 2020 Appropriated Base</b>		<b>1,682</b>						<b>1,682</b>
<b>05 0605414N Unmanned Carrier Aviation (UCA)</b>		<b>671,258</b>				<b>-22,203</b>		<b>649,055</b>
<b>FY 2020 Appropriated Base</b>		<b>671,258</b>						<b>671,258</b>
2 / Test and evaluation prior year carryover						-8,043		-8,043
2 / UMCS excess to need/unjustified growth						-14,160		-14,160
<b>05 0605450M Joint Air-to-Ground Missile (JAGM)</b>		<b>18,393</b>						<b>18,393</b>
<b>FY 2020 Appropriated Base</b>		<b>18,393</b>						<b>18,393</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item			Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a			Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	0605500N	Multi-mission Maritime Aircraft (MMA)		21,472						21,472
		FY 2020 Appropriated Base		21,472						21,472
05	0605504N	Multi-Mission Maritime (MMA) Increment III		177,234				-35,700		141,534
		FY 2020 Appropriated Base		177,234						177,234
	1 /	Program increase - SBIR technology insertion						8,000		8,000
	2 /	ECP concurrency - ECP 7 early to need						-15,700		-15,700
	2 /	Engineering change proposal 6 unjustified increase						-28,000		-28,000
05	0605611M	Marine Corps Assault Vehicles System Development & Demonstration		77,322				-27,185		50,137
		FY 2020 Appropriated Base		77,322						77,322
	2 /	Design concurrency for additional ACV variants						-6,985		-6,985
	2 /	Procurement of ACV-30 variants early to need						-18,500		-18,500
	2 /	Technical support acceleration						-1,700		-1,700
05	0605813M	Joint Light Tactical Vehicle (JLTV) System Development & Demonstration		2,105						2,105
		FY 2020 Appropriated Base		2,105						2,105
05	0204202N	DDG-1000		111,435						111,435
		FY 2020 Appropriated Base		111,435						111,435
05	0304785N	Tactical Cryptologic Systems		101,339				-10,248		91,091
		FY 2020 Appropriated Base		101,339						101,339
	2 /	SSEE Inc F previously funded						-1,700		-1,700
	2 /	Spectral delays						-8,548		-8,548
05	0306250M	Cyber Operations Technology Development		26,406				-6,532		19,874
		FY 2020 Appropriated Base		26,406						26,406
	2 /	Common access platform early to need						-6,532		-6,532
Subtotal Budget Activity 05: System Development & Demonstration				6,333,155				-219,431		6,113,724

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Management Support</b>								
06 0604256N		66,678				-4,000		62,678
		66,678						66,678
2 /						-4,000		-4,000
Insufficient budget justification - classified program reduction								
06 0604258N		12,027						12,027
		12,027						12,027
06 0604759N		85,348				22,000		107,348
		85,348						85,348
1 /						4,000		4,000
1 /						8,000		8,000
1 /						5,000		5,000
1 /						5,000		5,000
06 0605152N		3,908						3,908
		3,908						3,908
06 0605154N		47,669						47,669
		47,669						47,669
06 0605285N		20,698				-13,598		7,100
		20,698						20,698
2 /						-13,598		-13,598
06 0605804N		988						988
		988						988
06 0605853N		102,401				11,443		113,844
		102,401						102,401
1 /						15,000		15,000
2 /						-3,557		-3,557
06 0605856N		3,742						3,742
		3,742						3,742
06 0605863N		93,872						93,872
		93,872						93,872
06 0605864N		394,020				128,952		522,972
		394,020						394,020
2 /						-1,492		-1,492
1 /						130,444		130,444
06 0605865N		25,145						25,145
		25,145						25,145

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
06 0605866N Navy Space and Electronic Warfare (SEW) Support		15,773				-3,121		12,652
FY 2020 Appropriated Base		15,773						15,773
2 / Project 3239 unjustified growth						-3,121		-3,121
06 0605867N SEW Surveillance/Reconnaissance Support		8,402						8,402
FY 2020 Appropriated Base		8,402						8,402
06 0605873M Marine Corps Program Wide Support		37,265				-2,531		34,734
FY 2020 Appropriated Base		37,265						37,265
2 / Project 3009 unjustified growth						-2,531		-2,531
06 0605898N Management HQ - R&D		39,673						39,673
FY 2020 Appropriated Base		39,673						39,673
06 0606355N Warfare Innovation Management		28,750						28,750
FY 2020 Appropriated Base		28,750						28,750
06 0305327N Insider Threat		2,645						2,645
FY 2020 Appropriated Base		2,645						2,645
06 0902498N Management Headquarters (Departmental Support Activities)		1,460						1,460
FY 2020 Appropriated Base		1,460						1,460
Subtotal Budget Activity 06: Management Support		990,464				139,145		1,129,609

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Operational Systems Development</b>								
07 0604227N HARPOON Modifications		2,302						2,302
FY 2020 Appropriated Base		2,302						2,302
07 0604840M F-35 C2D2		422,881				-31,716		391,165
FY 2020 Appropriated Base		422,881						422,881
2 / Prior year execution delays						-31,716		-31,716
07 0604840N F-35 C2D2		383,741				-28,781		354,960
FY 2020 Appropriated Base		383,741						383,741
2 / Prior year execution delays						-28,781		-28,781
07 0607658N Cooperative Engagement Capability (CEC)		127,924						127,924
FY 2020 Appropriated Base		127,924						127,924
07 0101221N Strategic Sub & Weapons System Support		157,676				-31,910		125,766
FY 2020 Appropriated Base		157,676						157,676
1 / Program increase - next generation strategic inertial measurement unit						6,000		6,000
1 / Program increase - high temperature composite material capacity expansion						12,000		12,000
2 / Project 2228 D5LE2 technology maturation concurrency with system architecture and trade analysis						-49,910		-49,910
07 0101224N SSBN Security Technology Program		43,354						43,354
FY 2020 Appropriated Base		43,354						43,354
07 0101226N Submarine Acoustic Warfare Development		6,815						6,815
FY 2020 Appropriated Base		6,815						6,815
07 0101402N Navy Strategic Communications		31,174				-2,500		28,674
FY 2020 Appropriated Base		31,174						31,174
2 / Project 29559 -E6B technical analysis and risk reduction schedule delays						-2,500		-2,500
07 0204136N F/A-18 Squadrons		213,715				-25,804		187,911
FY 2020 Appropriated Base		213,715						213,715
1 / Program increase - noise reduction research						2,000		2,000
2 / F/A-18 Block III support prior year carryover						-7,804		-7,804
2 / Project 1662 USMC capability upgrades undefined requirement						-20,000		-20,000
07 0204228N Surface Support		36,389				-1,787		34,602
FY 2020 Appropriated Base		36,389						36,389
2 / Military GPS user equipment previously funded						-1,787		-1,787
07 0204229N Tomahawk and Tomahawk Mission Planning Center (TMPC)		320,134				-47,098		273,036
FY 2020 Appropriated Base		320,134						320,134
2 / Maritime strike schedule delays						-35,000		-35,000
2 / JMEWS schedule delay						-12,098		-12,098

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i
07 0204311N	Integrated Surveillance System	88,382				15,000		103,382
	FY 2020 Appropriated Base	88,382						88,382
1 /	Program increase - transformational reliable acoustic path systems					15,000		15,000
07 0204313N	Ship-Towed Array Surveillance Systems	14,449						14,449
	FY 2020 Appropriated Base	14,449						14,449
07 0204413N	Amphibious Tactical Support Units (Displacement Craft)	6,931						6,931
	FY 2020 Appropriated Base	6,931						6,931
07 0204460M	Ground/Air Task Oriented Radar (G/ATOR)	23,891				5,000		28,891
	FY 2020 Appropriated Base	23,891						23,891
1 /	Program increase - low, slow, small targets					5,000		5,000
07 0204571N	Consolidated Training Systems Development	129,873				-1,200		128,673
	FY 2020 Appropriated Base	129,873						129,873
2 /	Project 3356 LCS Navy training system plan execution early to need					-1,200		-1,200
07 0204575N	Electronic Warfare (EW) Readiness Support	82,325				-11,182		71,143
	FY 2020 Appropriated Base	82,325						82,325
2 /	Prior year carryover					-11,182		-11,182
07 0205601N	HARM Improvement	138,431				-6,060		132,371
	FY 2020 Appropriated Base	138,431						138,431
2 /	AARGM ER test schedule discrepancy					-6,060		-6,060
07 0205620N	Surface ASW Combat System Integration	29,572						29,572
	FY 2020 Appropriated Base	29,572						29,572
07 0205632N	MK-48 ADCAP	85,973				-13,708		72,265
	FY 2020 Appropriated Base	85,973						85,973
2 /	TI-1 hardware development prior year carryover					-13,708		-13,708
07 0205633N	Aviation Improvements	125,461						125,461
	FY 2020 Appropriated Base	125,461						125,461
07 0205675N	Operational Nuclear Power Systems	106,192						106,192
	FY 2020 Appropriated Base	106,192						106,192
07 0206313M	Marine Corps Communications Systems	158,317				12,990		171,307
	FY 2020 Appropriated Base	143,317						143,317
1 /	Program increase - multi-function electronic warfare					8,600		8,600
1 /	Program increase - shipboard integration and AI networking/NOTM					4,390		4,390
	FY 2020 OCO (Title IX)	15,000						15,000
07 0206335M	Common Aviation Command and Control System (CAC2S)	4,489						4,489
	FY 2020 Appropriated Base	4,489						4,489
07 0206623M	Marine Corps Ground Combat/Supporting Arms Systems	51,788						51,788
	FY 2020 Appropriated Base	51,788						51,788



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07 0206624M Marine Corps Combat Services Support		37,761				6,767		44,528
FY 2020 Appropriated Base		37,761						37,761
1 / Program increase - airborne power generation technology						5,000		5,000
1 / Program increase - UAV alternative power generation technologies						3,000		3,000
2 / Project 2510 prior year carryover						-1,233		-1,233
07 0206625M USMC Intelligence/Electronic Warfare Systems (MIP)		21,458				6,428		27,886
FY 2020 Appropriated Base		21,458						21,458
1 / Program increase - advanced electronic warfare digital payload						6,428		6,428
07 0206629M Amphibious Assault Vehicle		5,476						5,476
FY 2020 Appropriated Base		5,476						5,476
07 0207161N Tactical AIM Missiles		19,488						19,488
FY 2020 Appropriated Base		19,488						19,488
07 0207163N Advanced Medium Range Air-to-Air Missile (AMRAAM)		39,029				-4,838		34,191
FY 2020 Appropriated Base		39,029						39,029
2 / System improvement program efforts prior year carryover						-4,838		-4,838
07 0303109N Satellite Communications (SPACE)		34,344						34,344
FY 2020 Appropriated Base		34,344						34,344
07 0303138N Consolidated Afloat Network Enterprise Services (CANES)		22,873						22,873
FY 2020 Appropriated Base		22,873						22,873
07 0303140N Information Systems Security Program		41,853				3,000		44,853
FY 2020 Appropriated Base		41,853						41,853
1 / Program increase - high insurance infrastructure in defense systems						3,000		3,000
07 0305192N Military Intelligence Program (MIP) Activities		8,913						8,913
FY 2020 Appropriated Base		8,913						8,913
07 0305204N Tactical Unmanned Aerial Vehicles		9,451						9,451
FY 2020 Appropriated Base		9,451						9,451
07 0305205N UAS Integration and Interoperability		42,315				-1,869		40,446
FY 2020 Appropriated Base		42,315						42,315
2 / Increment III early to need						-1,869		-1,869
07 0305208M Distributed Common Ground/Surface Systems		22,042						22,042
FY 2020 Appropriated Base		22,042						22,042
07 0305220N MQ-4C Triton		11,784						11,784
FY 2020 Appropriated Base		11,784						11,784
07 0305231N MQ-8 UAV		29,618						29,618
FY 2020 Appropriated Base		29,618						29,618
07 0305232M RQ-11 UAV		509						509
FY 2020 Appropriated Base		509						509

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07 0305234N		11,545				-2,135		9,410
		11,545						11,545
2 /						-2,135		-2,135
07 0305239M		10,914						10,914
		10,914						10,914
07 0305241N		70,612						70,612
		70,612						70,612
07 0305242M		3,704				6,300		10,004
		3,704						3,704
1 /						6,300		6,300
07 0305421N		202,346				-16,900		185,446
		202,346						202,346
2 /						-16,900		-16,900
07 0308601N		7,119				5,000		12,119
		7,119						7,119
1 /						5,000		5,000
07 0702207N		38,182				10,000		48,182
		38,182						38,182
1 /						10,000		10,000
1 /						10,000		10,000
3 /						-10,000		-10,000
07 0708730N		6,779				20,000		26,779
		6,779						6,779
1 /						20,000		20,000
07 1203109N		15,868						15,868
		15,868						15,868
07 999999999		1,721,419				129,090		1,850,509
		1,613,137						1,613,137
1 /						129,090		129,090
1 /						30,000		30,000
4 /						-30,000		-30,000
		108,282						108,282
Subtotal Budget Activity 07: Operational Systems Development		5,227,581				-7,913		5,219,668
Grand Total Research, Development, Test, and Evaluation, Navy , 2020/2021		20,434,909				15,060		20,449,969

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Navy , 2020/2021 (1319N)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		20,270,499				-115,384		20,155,115
APPROPRIATION, P.L. 116-93 (OCO)		164,410						164,410
APPROPRIATION, P.L. 116-93 (Title X)						130,444		130,444
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>20,434,909</b>				<b>15,060</b>		<b>20,449,969</b>
<b>Footnotes:</b> <p>1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.</p> <p>2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.</p> <p>3 / This item reflects an adjustment to realign a congressionally modified item: Realigned to PE 0603563N Ship Concept Advanced Design from PE 0702207N Depot Maintenance (Non-IF) for execution. The adjustment does not change the purpose for which the funds were appropriated.</p> <p>4 / This item reflects an adjustment to realign a congressionally modified item: Realigned to BA 04 PE 0603764M LINK EVERGREEN from BA 07 Classified Programs for execution. The adjustment does not change the purpose for which the funds were appropriated.</p> <p>For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.</p>								

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## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title: <b>Military Personnel, Air Force, 2020/2020 (3500F)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Pay and Allowances of Officers</b>		<b>10,225,459</b>						<b>10,225,459</b>
FY 2020 Appropriated Base		10,003,710						10,003,710
FY 2020 OCO (Title IX)		221,749						221,749
<b>Subtotal Budget Activity 01: Pay and Allowances of Officers</b>		<b>10,225,459</b>						<b>10,225,459</b>
<b>Budget Activity 02: Pay and Allowances of Enlisted</b>		<b>19,410,952</b>				<b>-35,190</b>		<b>19,375,762</b>
FY 2020 Appropriated Base		18,795,690						18,795,690
Historical unobligated balances						-35,190		-35,190
FY 2020 OCO (Title IX)		615,262						615,262
<b>Subtotal Budget Activity 02: Pay and Allowances of Enlisted</b>		<b>19,410,952</b>				<b>-35,190</b>		<b>19,375,762</b>
<b>Budget Activity 03: Pay And Allowances Of Cadets</b>		<b>80,959</b>						<b>80,959</b>
FY 2020 Appropriated Base		80,959						80,959
<b>Subtotal Budget Activity 03: Pay And Allowances Of Cadets</b>		<b>80,959</b>						<b>80,959</b>
<b>Budget Activity 04: Subsistence of Enlisted Personnel</b>		<b>1,320,938</b>						<b>1,320,938</b>
FY 2020 Appropriated Base		1,169,697						1,169,697
FY 2020 OCO (Title IX)		151,241						151,241
<b>Subtotal Budget Activity 04: Subsistence of Enlisted Personnel</b>		<b>1,320,938</b>						<b>1,320,938</b>
<b>Budget Activity 05: Permanent Change of Station Travel</b>		<b>1,124,520</b>						<b>1,124,520</b>
FY 2020 Appropriated Base		1,124,520						1,124,520
<b>Subtotal Budget Activity 05: Permanent Change of Station Travel</b>		<b>1,124,520</b>						<b>1,124,520</b>
<b>Budget Activity 06: Other Military Personnel Costs</b>		<b>129,725</b>				<b>-10,620</b>		<b>119,105</b>
FY 2020 Appropriated Base		110,383						110,383
1 / Program increase for Junior ROTC						380		380
Historical unobligated balances						-11,000		-11,000
FY 2020 OCO (Title IX)		19,342						19,342
<b>Subtotal Budget Activity 06: Other Military Personnel Costs</b>		<b>129,725</b>				<b>-10,620</b>		<b>119,105</b>
<b>Grand Total Military Personnel, Air Force, 2020/2020</b>		<b>32,292,553</b>				<b>-45,810</b>		<b>32,246,743</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		31,284,959				-45,810		31,239,149
APPROPRIATION, P.L. 116-93 (OCO)		1,007,594						1,007,594
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>32,292,553</b>				<b>-45,810</b>		<b>32,246,743</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Reserve Personnel, Air Force, 2020/2020 (3700F)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>2,054,468</b>				<b>-23,850</b>		<b>2,030,618</b>
<b>FY 2020 Appropriated Base</b>		<b>2,038,040</b>						<b>2,038,040</b>
Historical unobligated balances						-22,850		-22,850
Rate adjustments						-1,000		-1,000
<b>FY 2020 OCO (Title IX)</b>		<b>16,428</b>						<b>16,428</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>2,054,468</b>				<b>-23,850</b>		<b>2,030,618</b>
<b>Grand Total Reserve Personnel, Air Force, 2020/2020</b>		<b>2,054,468</b>				<b>-23,850</b>		<b>2,030,618</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		2,038,040				-23,850		2,014,190
APPROPRIATION, P.L. 116-93 (OCO)		16,428						16,428
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>2,054,468</b>				<b>-23,850</b>		<b>2,030,618</b>
Footnotes:								
For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>National Guard Personnel, Air Force, 2020/2020 (3850F)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Reserve Component Training and Support</b>		<b>4,069,469</b>				<b>-3,194</b>		<b>4,066,275</b>
<b>FY 2020 Appropriated Base</b>		<b>4,063,845</b>						<b>4,063,845</b>
1 / Program increase - Preventative mental health program						500		500
1 / Program increase - State Partnership Program						576		576
1 / Program increase - Wildfire training						2,000		2,000
1 / Trauma Training						2,200		2,200
Historical unobligated balances						-7,470		-7,470
Rate adjustments						-1,000		-1,000
<b>FY 2020 OCO (Title IX)</b>		<b>5,624</b>						<b>5,624</b>
<b>Subtotal Budget Activity 01: Reserve Component Training and Support</b>		<b>4,069,469</b>				<b>-3,194</b>		<b>4,066,275</b>
<b>Grand Total National Guard Personnel, Air Force, 2020/2020</b>		<b>4,069,469</b>				<b>-3,194</b>		<b>4,066,275</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		4,063,845				-3,194		4,060,651
APPROPRIATION, P.L. 116-93 (OCO)		5,624						5,624
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>4,069,469</b>				<b>-3,194</b>		<b>4,066,275</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Military Personnel, the Below Threshold Reprogramming limitation is \$10 million.								

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Operation and Maintenance, Air Force, 2020/2020 (3400F)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>44,183,734</b>				<b>-1,025,143</b>		<b>43,158,591</b>
<b>FY 2020 Appropriated Base</b>		<b>13,074,913</b>						<b>13,074,913</b>
1 / ISR Innovation Office						8,500		8,500
1 / Program increase - Public Law 115-68 Implementation at Combatant Commands						1,000		1,000
1 / Program increase - childcare						20,000		20,000
1 / Program increase - civil engineers equipment						2,000		2,000
2 / Classified adjustment						-6,250		-6,250
2 / Excess travel costs						-1,650		-1,650
2 / Insufficient justification - ISR modernization, automation, and development						-5,490		-5,490
Air Force requested transfer from RDTE.AF line 234						40,000		40,000
Air Force requested transfer from line 11R for non-FSRM disaster requirements						104,611		104,611
Air Force requested transfer to OM,ANG for environmental compliance						-4,495		-4,495
Air Force requested transfer to line 11Z for non-FSRM disaster requirements						-104,611		-104,611
Foreign Currency (Section 8133)						-17,571		-17,571
Historical unobligation						-52,967		-52,967
Insufficient justification						-169,400		-169,400
Remove one-time fiscal year 2019 increase						-38,000		-38,000
SCARS - Air Force requested transfer to OP,AF line 27						-4,820		-4,820
Transfer from title IX						22,132,333		22,132,333
Unjustified growth						-369,000		-369,000
4 / AF O&M								
<b>FY 2020 OCO (Title IX)</b>		<b>31,108,821</b>						<b>31,108,821</b>
Program decrease unaccounted for						-55,000		-55,000
Transfer to OCO								
Transfer to title II						-22,132,333		-22,132,333
Unjustified growth						-482,000		-482,000
<b>FY 2020 Disaster Relief (Title X)</b>								
1 / Hurricane Michael and Florence						110,000		110,000
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>44,183,734</b>				<b>-1,025,143</b>		<b>43,158,591</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Air Force, 2020/2020 (3400F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Mobilization</b>		<b>2,677,935</b>				<b>-10,976</b>		<b>2,666,959</b>
<b>FY 2020 Appropriated Base</b>		<b>1,296,814</b>						<b>1,296,814</b>
5 / Foreign Currency (Section 8133)						74		74
Unjustified growth						-11,050		-11,050
<b>FY 2020 OCO (Title IX)</b>		<b>1,381,121</b>						<b>1,381,121</b>
<b>Subtotal Budget Activity 02: Mobilization</b>		<b>2,677,935</b>				<b>-10,976</b>		<b>2,666,959</b>
<b>Budget Activity 03: Training and Recruiting</b>		<b>2,436,175</b>				<b>-20,680</b>		<b>2,415,495</b>
<b>FY 2020 Appropriated Base</b>		<b>2,405,458</b>						<b>2,405,458</b>
1 / Program increase - Pilot scholarship program						3,000		3,000
1 / Program increase - undergraduate pilot training						8,000		8,000
Foreign Currency (Section 8133)						-21		-21
Historical unobligation						-1,659		-1,659
Program decrease - removal one-time fiscal year 2019 increase						-15,000		-15,000
Unjustified growth						-5,000		-5,000
unjustified growth						-10,000		-10,000
<b>FY 2020 OCO (Title IX)</b>		<b>30,717</b>						<b>30,717</b>
<b>Subtotal Budget Activity 03: Training and Recruiting</b>		<b>2,436,175</b>				<b>-20,680</b>		<b>2,415,495</b>
<b>Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>5,009,367</b>				<b>-62,668</b>		<b>4,946,699</b>
<b>FY 2020 Appropriated Base</b>		<b>4,501,314</b>						<b>4,501,314</b>
1 / Program increase						7,163		7,163
1 / Program increase - Civil Air Patrol - communication equipment						1,867		1,867
1 / Training Gaps in Emerging Technologies						3,000		3,000
2 / Classified adjustment						-23,842		-23,842
Foreign Currency (Section 8133)						-482		-482
Historical unobligation						-5,374		-5,374
Program decrease - removal one-time fiscal year 2019 increase						-25,000		-25,000
Unjustified growth						-20,000		-20,000
<b>FY 2020 OCO (Title IX)</b>		<b>508,053</b>						<b>508,053</b>
<b>Subtotal Budget Activity 04: Admin &amp; Srvwd Activities</b>		<b>5,009,367</b>				<b>-62,668</b>		<b>4,946,699</b>
<b>Grand Total Operation and Maintenance, Air Force, 2020/2020</b>		<b>54,307,211</b>				<b>-1,119,467</b>		<b>53,187,744</b>

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Operation and Maintenance, Air Force, 2020/2020 (3400F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		21,278,499				21,457,866		42,736,365
APPROPRIATION, P.L. 116-93 (OCO)		33,028,712				-22,669,333		10,359,379
APPROPRIATION, P.L. 116-93 (Title X)						110,000		110,000
Favorable Exchange Rates						-18,000		
<b>Subtotal General Provision Reductions</b>								<b>-18,000</b>
<b>Subtotal General Provisions</b>								<b>-18,000</b>
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>54,307,211</b>				<b>-1,119,467</b>		<b>53,187,744</b>

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.
- 4 / The following line items have been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of these lines for Title II and Title IX (OCO) funds: Primary Combat Forces; Combat Enhancement Forces; Depot Purchase Equipment Maintenance; Facilities Sustainment, Restoration, & Modernization; Contractor Logistics Support and System Support; and Flying Hour Program.
- 5 / The funding adjustment for Foreign Currency (Section 8133), Favorable Exchange Rates, was incorrectly used to increase this budget line item. This action will be considered a Below Threshold Reprogramming (BTR) by OUSD(C) and the Air Force, and will be included in calculations of the available BTR authority going forward.

For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Space Force, 2020/2020 (3410F)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>72,436</b>				<b>-32,436</b>		<b>40,000</b>
<b>FY 2020 Appropriated Base</b>		<b>72,436</b>						<b>72,436</b>
Insufficient justification						-32,436		-32,436
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>72,436</b>				<b>-32,436</b>		<b>40,000</b>
<b>Grand Total Operation and Maintenance, Space Force, 2020/2020</b>		<b>72,436</b>				<b>-32,436</b>		<b>40,000</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		72,436				-32,436		40,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>72,436</b>				<b>-32,436</b>		<b>40,000</b>
Footnotes:								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Air Force Reserve, 2020/2020 (3740F)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>3,316,613</b>				<b>-169,500</b>		<b>3,147,113</b>
<b>FY 2020 Appropriated Base</b>		<b>2,121,482</b>						<b>2,121,482</b>
Excess growth						-15,000		-15,000
Historical unobligation						-10,000		-10,000
Insufficient justification						-5,500		-5,500
Overestimation of Civilian FTE Targets						-60,000		-60,000
Projected underexecution						-45,000		-45,000
Removal of one-time fiscal year 2019 increase						-34,000		-34,000
Transfer from title IX						1,165,373		1,165,373
4 / AF Reserve (O&M)								
<b>FY 2020 OCO (Title IX)</b>		<b>1,195,131</b>						<b>1,195,131</b>
Transfer to title II						-1,165,373		-1,165,373
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>3,316,613</b>				<b>-169,500</b>		<b>3,147,113</b>
<b>Budget Activity 04: Administration And Servicewide Activities</b>		<b>109,963</b>						<b>109,963</b>
<b>FY 2020 Appropriated Base</b>		<b>109,963</b>						<b>109,963</b>
<b>Subtotal Budget Activity 04: Administration And Servicewide Activities</b>		<b>109,963</b>						<b>109,963</b>
<b>Grand Total Operation and Maintenance, Air Force Reserve, 2020/2020</b>		<b>3,426,576</b>				<b>-169,500</b>		<b>3,257,076</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		2,231,445				995,873		3,227,318
APPROPRIATION, P.L. 116-93 (OCO)		1,195,131				-1,165,373		29,758
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>3,426,576</b>				<b>-169,500</b>		<b>3,257,076</b>
<b>Footnotes:</b>  4 / The Primary Combat Forces line item has been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of the line for Title II and Title IX (OCO) funds.  For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Air National Guard, 2020/2020 (3840F)						2020		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operating Forces</b>		<b>6,816,567</b>				<b>-71,937</b>		<b>6,744,630</b>
<b>FY 2020 Appropriated Base</b>		<b>3,524,585</b>						<b>3,524,585</b>
1 / Program increase						2,500		2,500
1 / Program increase - Advanced trauma training program						1,800		1,800
1 / Program increase - PFAS remediation						29,000		29,000
1 / Program increase - State Partnership Program						360		360
1 / Program increase - State Partnership virtual language project						500		500
1 / Program increase - preventative mental health						3,000		3,000
1 / Program increase - range expansion						1,168		1,168
1 / Program increase - tuition assistance						8,640		8,640
1 / Program increase - wildfire training						500		500
1 / Program increase - Joint Terminal Attack Controller Training						8,000		8,000
Excess growth						-26,000		-26,000
Historical unobligation						-20,000		-20,000
Insufficient justification						-43,900		-43,900
Overestimation of Civilian FTE Targets						-30,000		-30,000
Program decrease unaccounted for						-12,000		-12,000
Transfer Air Force requested transfer from O&M Air Force for environmental compliance						4,495		4,495
Transfer from title IX						3,115,073		3,115,073
4 / ANG(O&M)								
<b>FY 2020 OCO (Title IX)</b>		<b>3,291,982</b>						<b>3,291,982</b>
Transfer to title II						-3,115,073		-3,115,073
<b>Subtotal Budget Activity 01: Operating Forces</b>		<b>6,816,567</b>				<b>-71,937</b>		<b>6,744,630</b>
<b>Budget Activity 04: Administration And Service-Wide Activities</b>		<b>87,571</b>						<b>87,571</b>
<b>FY 2020 Appropriated Base</b>		<b>87,571</b>						<b>87,571</b>
<b>Subtotal Budget Activity 04: Administration And Service-Wide Activities</b>		<b>87,571</b>						<b>87,571</b>
<b>Grand Total Operation and Maintenance, Air National Guard, 2020/2020</b>		<b>6,904,138</b>				<b>-71,937</b>		<b>6,832,201</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		3,612,156				3,043,136		6,655,292
APPROPRIATION, P.L. 116-93 (OCO)		3,291,982				-3,115,073		176,909
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>6,904,138</b>				<b>-71,937</b>		<b>6,832,201</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
4 / The Aircraft Operations line item has been identified in the Explanatory Statement as requiring a prior approval reprogramming for transfers in excess of \$10 million out of the line for Title II and Title IX (OCO) funds.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Environmental Restoration, Air Force, 2020/XXXX (0810FX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Department Of The Air Force</b>		<b>302,744</b>				<b>182,256</b>		<b>485,000</b>
<b>FY 2020 Appropriated Base</b>		<b>302,744</b>						<b>302,744</b>
1 / Program increase associated with remediating contamination caused by perfluorinated chemicals						100,000		100,000
1 / Program increase						82,256		82,256
<b>Subtotal Budget Activity 03: Department Of The Air Force</b>		<b>302,744</b>				<b>182,256</b>		<b>485,000</b>
<b>Grand Total Environmental Restoration, Air Force, 2020/XXXX</b>		<b>302,744</b>				<b>182,256</b>		<b>485,000</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		302,744				182,256		485,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>302,744</b>				<b>182,256</b>		<b>485,000</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								



## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Air Force, 2020/2022 (3010F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Combat Aircraft</b>								
<b>01 F-35</b>	<b>48</b>	<b>4,274,359</b>			<b>14</b>	<b>973,700</b>	<b>62</b>	<b>5,248,059</b>
<b>FY 2020 Appropriated Base</b>	<b>48</b>	<b>4,274,359</b>					<b>48</b>	<b>4,274,359</b>
1 / Program increase - fourteen aircraft					14	1,202,800	14	1,202,800
2 / Unit cost adjustment						-219,100		-219,100
2 / Other corporate ops carryover						-10,000		-10,000
<b>01 F-35 Advance Procurement (CY)</b>		<b>655,500</b>				<b>156,000</b>		<b>811,500</b>
<b>FY 2020 Appropriated Base</b>		<b>655,500</b>						<b>655,500</b>
1 / Program increase						156,000		156,000
<b>01 F-15e</b>	<b>8</b>	<b>1,050,000</b>			<b>-2</b>	<b>-428,900</b>	<b>6</b>	<b>621,100</b>
<b>FY 2020 Appropriated Base</b>	<b>8</b>	<b>1,050,000</b>					<b>8</b>	<b>1,050,000</b>
2 / Excess to need						-64,500		-64,500
Transfer two test aircraft and NRE funds to RDTE,AF line 180 (BA 07, PE 0207134F F-15E Squadrons)					-2	-364,400	-2	-364,400
<b>Subtotal Budget Activity 01: Combat Aircraft</b>		<b>5,979,859</b>				<b>700,800</b>		<b>6,680,659</b>
<b>Budget Activity 02: Airlift Aircraft</b>								
<b>02 KC-46A MDAP</b>	<b>12</b>	<b>2,234,529</b>				<b>-94,824</b>	<b>12</b>	<b>2,139,705</b>
<b>FY 2020 Appropriated Base</b>	<b>12</b>	<b>2,234,529</b>					<b>12</b>	<b>2,234,529</b>
2 / Unit cost adjustment						-36,000		-36,000
2 / WARP kits cost growth						-10,280		-10,280
2 / Excess depot standup funding due to delivery delays						-48,544		-48,544
<b>02 C-130J</b>		<b>12,156</b>			<b>8</b>	<b>730,000</b>	<b>8</b>	<b>742,156</b>
<b>FY 2020 Appropriated Base</b>		<b>12,156</b>						<b>12,156</b>
1 / Program increase - four aircraft for the Air Force Reserve					4	392,000	4	392,000
<b>FY 2020 OCO (Title IX)</b>								
1 / Program increase - four aircraft for the Air National Guard					4	338,000	4	338,000
<b>02 MC-130J</b>	<b>8</b>	<b>871,207</b>				<b>-13,600</b>	<b>8</b>	<b>857,607</b>
<b>FY 2020 Appropriated Base</b>	<b>8</b>	<b>871,207</b>					<b>8</b>	<b>871,207</b>
2 / Excess unit cost growth						-13,600		-13,600
<b>02 MC-130J Advance Procurement (CY)</b>		<b>40,000</b>						<b>40,000</b>
<b>FY 2020 Appropriated Base</b>		<b>40,000</b>						<b>40,000</b>
<b>Subtotal Budget Activity 02: Airlift Aircraft</b>		<b>3,157,892</b>				<b>621,576</b>		<b>3,779,468</b>

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Air Force, 2020/2022 (3010F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Other Aircraft</b>								
<b>04 Combat Rescue Helicopter</b>	<b>12</b>	<b>884,235</b>				<b>-33,700</b>	<b>12</b>	<b>850,535</b>
FY 2020 Appropriated Base	12	884,235					12	884,235
2 / Other flyaway costs unjustified						-6,200		-6,200
2 / Engineering change orders excess						-17,500		-17,500
2 / Program management excess growth						-10,000		-10,000
<b>04 C-37A</b>	<b>2</b>	<b>161,000</b>				<b>-1,860</b>	<b>2</b>	<b>159,140</b>
FY 2020 Appropriated Base	2	161,000					2	161,000
2 / Unobligated balances						-1,860		-1,860
<b>04 Civil Air Patrol A/C</b>	<b>4</b>	<b>2,767</b>				<b>8,233</b>	<b>4</b>	<b>11,000</b>
FY 2020 Appropriated Base	4	2,767					4	2,767
1 / Program increase						8,233		8,233
<b>04 Target Drones</b>	<b>37</b>	<b>130,837</b>					<b>37</b>	<b>130,837</b>
FY 2020 Appropriated Base	37	130,837					37	130,837
<b>04 Compass Call</b>	<b>1</b>	<b>114,095</b>					<b>1</b>	<b>114,095</b>
FY 2020 Appropriated Base	1	114,095					1	114,095
<b>04 Observation Attack Replacement (OA-X) Light Attack Aircraft</b>						<b>210,000</b>		<b>210,000</b>
FY 2020 Appropriated Base								
1 / Program increase						210,000		210,000
<b>04 MQ-9</b>	<b>12</b>	<b>361,445</b>			<b>12</b>	<b>107,155</b>	<b>24</b>	<b>468,600</b>
FY 2020 Appropriated Base	3	189,205					3	189,205
2 / Unit cost adjustment						-14,400		-14,400
2 / Block 50 ground control stations ahead of testing						-46,845		-46,845
2 / Block 50 ground control simulator ahead of need						-35,800		-35,800
FY 2020 OCO (Title IX)	9	172,240					9	172,240
1 / Program increase - twelve aircraft					12	215,000	12	215,000
2 / Unit cost adjustment						-10,800		-10,800
<b>04 RQ-20B Puma</b>	<b>18</b>	<b>12,150</b>					<b>18</b>	<b>12,150</b>
FY 2020 OCO (Title IX)	18	12,150					18	12,150
<b>Subtotal Budget Activity 04: Other Aircraft</b>		<b>1,666,529</b>				<b>289,828</b>		<b>1,956,357</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Air Force, 2020/2022 (3010F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: Modification of Inservice Aircraft</b>								
<b>05 B-2A</b>		9,582						9,582
FY 2020 Appropriated Base		9,582						9,582
<b>05 B-1B</b>		22,111				-3,200		18,911
FY 2020 Appropriated Base		22,111						22,111
2 / ADS-B out ahead of need						-3,200		-3,200
<b>05 B-52</b>		69,648				-21,722		47,926
FY 2020 Appropriated Base		69,648						69,648
2 / Bomber tactical data link ahead of need						-4,000		-4,000
2 / Crypto modernization funding ahead of need						-17,722		-17,722
<b>05 Large Aircraft Infrared Countermeasures</b>		97,093						97,093
FY 2020 Appropriated Base		43,758						43,758
FY 2020 OCO (Title IX)		53,335						53,335
<b>05 A-10</b>		132,069				-6,244		125,825
FY 2020 Appropriated Base		132,069						132,069
2 / Prior year carryover						-6,244		-6,244
<b>05 E-11 BACN/HAG</b>		70,027						70,027
FY 2020 Appropriated Base		70,027						70,027
<b>05 F-15</b>		481,073				-6,936		474,137
FY 2020 Appropriated Base		481,073						481,073
1 / Program increase - anti-jam capability						7,000		7,000
2 / F-15C MUOS ahead of need						-630		-630
2 / APG-82 installation cost growth						-10,300		-10,300
2 / ADCP II-C installation funding ahead of need						-3,006		-3,006
<b>05 F-16</b>		234,782				46,694		281,476
FY 2020 Appropriated Base		234,782						234,782
1 / Program increase - AESA radar upgrades for the Air National Guard						75,000		75,000
2 / Aggressors update excess to need						-1,524		-1,524
2 / Modular mission computer funding ahead of need						-14,530		-14,530
2 / Digital radar warning receiver funding ahead of need						-4,315		-4,315
2 / AIFF mode 5 funding excess to requirement						-7,937		-7,937
<b>05 F-22A</b>		323,597				-114,300		209,297
FY 2020 Appropriated Base		323,597						323,597
2 / Link 16 delays						-14,300		-14,300
2 / Sensor enhancement funding ahead of need						-50,000		-50,000
Air Force requested transfer to RDTE, AF line 182 for F-22A modernization (BA 07, PE 0207138 F-22 Squadrons)						-50,000		-50,000
<b>05 F-35 Modifications</b>		343,590				-14,000		329,590
FY 2020 Appropriated Base		343,590						343,590
2 / Concurrency ICS excess growth						-6,000		-6,000
2 / Correction of deficiencies excess support costs						-8,000		-8,000

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Air Force, 2020/2022 (3010F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	F-15 EPAW		149,047				-23,630		125,417
	FY 2020 Appropriated Base		149,047						149,047
	2 / Unit cost growth						-17,400		-17,400
	2 / Installation funding ahead of need						-6,230		-6,230
05	Increment 3.2b		20,213						20,213
	FY 2020 Appropriated Base		20,213						20,213
05	KC-46A MDAP		10,213				-5,000		5,213
	FY 2020 Appropriated Base		10,213						10,213
	2 / Funding ahead of need						-5,000		-5,000
05	C-5		73,550				-15,613		57,937
	FY 2020 Appropriated Base		73,550						73,550
	2 / CMC weather radar contract delays						-15,613		-15,613
05	C-17A		60,244						60,244
	FY 2020 Appropriated Base		60,244						60,244
05	C-21		216						216
	FY 2020 Appropriated Base		216						216
05	C-32A		11,511						11,511
	FY 2020 Appropriated Base		11,511						11,511
05	C-37A		435						435
	FY 2020 Appropriated Base		435						435
05	Glider Mods		138						138
	FY 2020 Appropriated Base		138						138
05	T-6		11,826						11,826
	FY 2020 Appropriated Base		11,826						11,826
05	T-1		26,787						26,787
	FY 2020 Appropriated Base		26,787						26,787
05	T-38		37,341						37,341
	FY 2020 Appropriated Base		37,341						37,341
05	U-2 Mods		86,896				-28,333		58,563
	FY 2020 Appropriated Base		86,896						86,896
	1 / Program increase - avionics tech refresh upgrade						20,000		20,000
	2 / Electronic warfare systems delay						-3,000		-3,000
	2 / Airframe sensors and data recorder delays						-11,900		-11,900
	2 / ASARS-2B funding ahead of need						-33,433		-33,433
05	KC-10A (ATCA)		2,108						2,108
	FY 2020 Appropriated Base		2,108						2,108
05	C-12		3,021						3,021
	FY 2020 Appropriated Base		3,021						3,021
05	VC-25A Mod		48,624						48,624
	FY 2020 Appropriated Base		48,624						48,624
05	C-40		256						256
	FY 2020 Appropriated Base		256						256

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Air Force, 2020/2022 (3010F)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>05 C-130</b>		<b>52,066</b>				<b>134,000</b>		<b>186,066</b>
<b>FY 2020 Appropriated Base</b>		<b>52,066</b>						<b>52,066</b>
1 / Program increase - engine enhancement program						79,000		79,000
1 / Program increase - eight-blade propeller upgrade						55,000		55,000
<b>05 C-130J Mods</b>		<b>141,686</b>				<b>-13,287</b>		<b>128,399</b>
<b>FY 2020 Appropriated Base</b>		<b>141,686</b>						<b>141,686</b>
2 / Block 8.1 cost growth						-2,990		-2,990
2 / Block 8.1 excess support costs						-6,500		-6,500
2 / Center wing replacement installation cost growth						-3,797		-3,797
<b>05 C-135</b>		<b>124,491</b>				<b>-11,140</b>		<b>113,351</b>
<b>FY 2020 Appropriated Base</b>		<b>124,491</b>						<b>124,491</b>
2 / Low cost mods slow execution						-1,000		-1,000
2 / RPI installs funded with prior year funds						-875		-875
2 / Block 45 installation funding ahead of need						-4,465		-4,465
2 / RTIC installation funding carryover						-4,800		-4,800
<b>05 Compass Call</b>		<b>110,754</b>						<b>110,754</b>
<b>FY 2020 Appropriated Base</b>		<b>110,754</b>						<b>110,754</b>
<b>05 combat flight inspection - CFIN</b>		<b>508</b>						<b>508</b>
<b>FY 2020 Appropriated Base</b>		<b>508</b>						<b>508</b>
<b>05 RC-135</b>		<b>227,673</b>						<b>227,673</b>
<b>FY 2020 Appropriated Base</b>		<b>227,673</b>						<b>227,673</b>
<b>05 E-3</b>		<b>216,299</b>				<b>-104,207</b>		<b>112,092</b>
<b>FY 2020 Appropriated Base</b>		<b>216,299</b>						<b>216,299</b>
2 / Communications network upgrade funding ahead of need						-6,000		-6,000
2 / DRAGON installation funding ahead of need						-10,900		-10,900
Air Force requested transfer to line 88 for NATO AWACS (BA 07, Other Production Charges)						-87,307		-87,307
<b>05 E-4</b>		<b>58,477</b>						<b>58,477</b>
<b>FY 2020 Appropriated Base</b>		<b>58,477</b>						<b>58,477</b>
<b>05 E-8</b>		<b>28,778</b>				<b>20,000</b>		<b>48,778</b>
<b>FY 2020 Appropriated Base</b>		<b>28,778</b>						<b>28,778</b>
1 / Program increase						20,000		20,000
<b>05 Airborne Warning and Cntrl Sys (AWACS) 40/45</b>		<b>36,000</b>				<b>-3,179</b>		<b>32,821</b>
<b>FY 2020 Appropriated Base</b>		<b>36,000</b>						<b>36,000</b>
2 / Block 40/45 installation cost growth						-3,179		-3,179
<b>05 Family of Beyond Line-of-Sight Terminals</b>		<b>7,910</b>						<b>7,910</b>
<b>FY 2020 Appropriated Base</b>		<b>7,910</b>						<b>7,910</b>
<b>05 H-1</b>		<b>3,817</b>						<b>3,817</b>
<b>FY 2020 Appropriated Base</b>		<b>3,817</b>						<b>3,817</b>
<b>05 H-60</b>		<b>20,879</b>				<b>6,000</b>		<b>26,879</b>
<b>FY 2020 Appropriated Base</b>		<b>20,879</b>						<b>20,879</b>
1 / Program increase - operational loss replacement kits						6,000		6,000

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Air Force, 2020/2022 (3010F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>05 RQ-4 Mods</b>		<b>1,704</b>						<b>1,704</b>
FY 2020 Appropriated Base		1,704						1,704
<b>05 HC/MC-130 Modifications</b>		<b>51,482</b>				<b>-16,632</b>		<b>34,850</b>
FY 2020 Appropriated Base		51,482						51,482
2 / Block 8.1 funds ahead of need						-16,632		-16,632
<b>05 Other Aircraft</b>		<b>50,098</b>						<b>50,098</b>
FY 2020 Appropriated Base		50,098						50,098
<b>05 MQ-9 Mods</b>		<b>383,594</b>				<b>-129,179</b>		<b>254,415</b>
FY 2020 Appropriated Base		383,594						383,594
2 / DAS-4 excess to need						-101,500		-101,500
2 / MQ-9 field retrofit delays						-20,000		-20,000
2 / GCS block 30 modernization cost growth						-7,579		-7,579
2 / SLAM funding ahead of need						-100		-100
<b>05 MQ-9 UAS Payloads</b>		<b>19,800</b>						<b>19,800</b>
FY 2020 OCO (Title IX)		19,800						19,800
<b>05 CV-22 Mods</b>		<b>65,348</b>						<b>65,348</b>
FY 2020 Appropriated Base		65,348						65,348
<b>Subtotal Budget Activity 05: Modification of Inservice Aircraft</b>		<b>3,927,362</b>				<b>-309,908</b>		<b>3,617,454</b>
<b>Budget Activity 06: Aircraft Spares and Repair Parts</b>								
<b>06 Initial Spares/Repair Parts</b>		<b>752,790</b>				<b>15,449</b>		<b>768,239</b>
FY 2020 Appropriated Base		708,230						708,230
1 / Program increase - RQ-4 spares						25,000		25,000
2 / F-15 spares excess to requirement						-30,000		-30,000
2 / E-3 spares excess to need						-6,775		-6,775
2 / MQ-9 spares excess to need						-5,900		-5,900
FY 2020 OCO (Title IX)		<b>44,560</b>						<b>44,560</b>
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						33,124		33,124
<b>Subtotal Budget Activity 06: Aircraft Spares and Repair Parts</b>		<b>752,790</b>				<b>15,449</b>		<b>768,239</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Aircraft Procurement, Air Force, 2020/2022 (3010F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Aircraft Supt Equipment &amp; Facilities</b>								
<b>07 Aircraft Replacement Support Equip</b>		91,963				1,249		93,212
FY 2020 Appropriated Base		84,938						84,938
FY 2020 OCO (Title IX)		7,025						7,025
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						1,249		1,249
<b>07 B-2A</b>		1,403						1,403
FY 2020 Appropriated Base		1,403						1,403
<b>07 B-2B</b>		42,234						42,234
FY 2020 Appropriated Base		42,234						42,234
<b>07 B-52</b>		4,641				-2,300		2,341
FY 2020 Appropriated Base		4,641						4,641
2 / Prior year carryover						-2,300		-2,300
<b>07 C-17A</b>		124,805						124,805
FY 2020 Appropriated Base		124,805						124,805
<b>07 RC-135</b>						170,075		170,075
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						170,075		170,075
<b>07 F-15</b>		2,589						2,589
FY 2020 Appropriated Base		2,589						2,589
<b>07 F-16</b>		15,348				-3,946		11,402
FY 2020 Appropriated Base		15,348						15,348
2 / Digital radar warning receiver funding ahead of need						-3,946		-3,946
<b>07 RQ-4 Post Production Charges</b>		47,246						47,246
FY 2020 Appropriated Base		47,246						47,246
<b>07 Industrial Responsiveness</b>		17,705						17,705
FY 2020 Appropriated Base		17,705						17,705
<b>07 War Consumables</b>		32,102						32,102
FY 2020 Appropriated Base		32,102						32,102
<b>07 Other Production Charges</b>		1,194,728				-8,093		1,186,635
FY 2020 Appropriated Base		1,194,728						1,194,728
2 / F-22 Next Gen Lab excess to need						-72,000		-72,000
2 / RQ-4 delayed obligations						-16,000		-16,000
2 / MQ-9 prior year carryover						-4,500		-4,500
2 / Classified adjustment						-2,900		-2,900
Air Force requested transfer from line 56 for NATO AWACS (BA 05, E-3)						87,307		87,307
<b>07 Classified Programs</b>		34,193						34,193
FY 2020 Appropriated Base		34,193						34,193
<b>Subtotal Budget Activity 07: Aircraft Supt Equipment &amp; Facilities</b>		1,608,957				156,985		1,765,942
<b>Grand Total Aircraft Procurement, Air Force, 2020/2022</b>		17,093,389				1,474,730		18,568,119

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Aircraft Procurement, Air Force, 2020/2022 (3010F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		16,784,279				728,082		17,512,361
APPROPRIATION, P.L. 116-93 (OCO)		309,110				542,200		851,310
APPROPRIATION, P.L. 116-93 (Title X)						204,448		204,448
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>17,093,389</b>				<b>1,474,730</b>		<b>18,568,119</b>

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Missile Procurement, Air Force, 2020/2022 (3020F)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Ballistic Missiles</b>								
01 Missile Replacement Eq-Ballistic (1)		55,888						55,888
FY 2020 Appropriated Base		55,888						55,888
<b>Subtotal Budget Activity 01: Ballistic Missiles</b>		55,888						55,888
<b>Budget Activity 02: Other Missiles</b>								
02 Replac Equip & War Consumables (2)		9,100				-4,600		4,500
FY 2020 Appropriated Base		9,100						9,100
2 / Lack of justification						-4,600		-4,600
02 Joint Air-To-Ground Munition (3)	60	15,000			-20	-5,000	40	10,000
FY 2020 Appropriated Base	60	15,000					60	15,000
2 / Lack of clear requirement or funding strategy					-20	-5,000	-20	-5,000
02 Joint Air-Surface Standoff Missile (4)	430	503,425			-40	-20,000	390	483,425
FY 2020 Appropriated Base	411	482,525					371	482,525
2 / Re-pricing of variants					-40	-20,000	-40	-20,000
FY 2020 OCO (Title IX)	19	20,900					19	20,900
02 Sidewinder (AIM-9X) (6)	355	160,408				-5,119	355	155,289
FY 2020 Appropriated Base	355	160,408					355	160,408
2 / AUR unit cost growth						-5,119		-5,119
02 AMRAAM (7)	220	332,250				-20,520	220	311,730
FY 2020 Appropriated Base	220	332,250					220	332,250
2 / Unjustified production test support						-4,020		-4,020
2 / AUR unit cost growth						-16,500		-16,500
02 Predator Hellfire Missile (8)	3,859	299,631					3,859	299,631
FY 2020 Appropriated Base	1,531	118,860					1,531	118,860
FY 2020 OCO (Title IX)	2,328	180,771					2,328	180,771
02 Small Diameter Bomb (9)	7,078	275,438				-2,150	7,078	273,288
FY 2020 Appropriated Base	7,078	275,438					7,078	275,438
2 / Obsolescence contracts - unjustified growth						-2,150		-2,150
02 SMALL DIAMETER BOMB II (10)	1,175	212,434				-29,155	1,175	183,279
FY 2020 Appropriated Base	1,175	212,434					1,175	212,434
2 / AUR unit cost adjustment						-29,155		-29,155
02 Industr'I Preparedns/Pol Prevention (11)		801						801
FY 2020 Appropriated Base		801						801
<b>Subtotal Budget Activity 02: Other Missiles</b>		1,808,487				-86,544		1,721,943

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Missile Procurement, Air Force, 2020/2022 (3020F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Modification of Inservice Missiles</b>								
03 ICBM FUZE MOD (12)	6	5,000					6	5,000
FY 2020 Appropriated Base	6	5,000					6	5,000
03 ICBM FUZE MOD Advance Procurement (CY) (13)		14,497						14,497
FY 2020 Appropriated Base		14,497						14,497
03 MM III Modifications (14)		50,831				8,874		59,705
FY 2020 Appropriated Base		50,831						50,831
ICU II - Air Force requested transfer from line 16						8,874		8,874
03 AGM-65D Maverick (15)		294						294
FY 2020 Appropriated Base		294						294
03 Air Launch Cruise Missile (ALCM) (16)		77,387				-8,874		68,513
FY 2020 Appropriated Base		77,387						77,387
ICU II - Air Force requested transfer to line 14						-8,874		-8,874
<b>Subtotal Budget Activity 03: Modification of Inservice Missiles</b>		<b>148,009</b>						<b>148,009</b>
<b>Budget Activity 04: Spares and Repair Parts</b>								
04 Msl Sprs/Repair Parts (Initial) (18)		1,910						1,910
FY 2020 Appropriated Base		1,910						1,910
04 Replen Spares/Repair Parts (19)		82,490				-10,000		72,490
FY 2020 Appropriated Base		82,490						82,490
2 / Historical underexecution						-10,000		-10,000
<b>Subtotal Budget Activity 04: Spares and Repair Parts</b>		<b>84,400</b>				<b>-10,000</b>		<b>74,400</b>
<b>Budget Activity 05: Other Support</b>								
05 Special Update Programs (23)		144,553				-10,000		134,553
FY 2020 Appropriated Base		144,553						144,553
2 / Classified adjustment						-10,000		-10,000
05 Classified Programs (999)		849,521				-206,753		642,768
FY 2020 Appropriated Base		849,521						849,521
2 / Classified adjustment						-206,753		-206,753
<b>Subtotal Budget Activity 05: Other Support</b>		<b>994,074</b>				<b>-216,753</b>		<b>777,321</b>
<b>Grand Total Missile Procurement, Air Force, 2020/2022</b>		<b>3,090,858</b>				<b>-313,297</b>		<b>2,777,561</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		2,889,187				-313,297		2,575,890
APPROPRIATION, P.L. 116-93 (OCO)		201,671						201,671
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>3,090,858</b>				<b>-313,297</b>		<b>2,777,561</b>

**Footnotes:**

2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Space Procurement, Air Force, 2020/2022 (3021F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Space Procurement, Air Force</b>									
01	Advanced EHF (1)		31,894				-10,000		21,894
	FY 2020 Appropriated Base		31,894						31,894
2 /	Anticipated cost savings						-10,000		-10,000
01	AF Satellite Comm System (2)		56,298						56,298
	FY 2020 Appropriated Base		56,298						56,298
01	Counterspace Systems (4)		5,700						5,700
	FY 2020 Appropriated Base		5,700						5,700
01	Family of Beyond Line-of-Sight Terminals (5)		34,020				-10,000		24,020
	FY 2020 Appropriated Base		34,020						34,020
2 /	Underexecution						-10,000		-10,000
01	General Information Tech - Space (7)		3,244						3,244
	FY 2020 Appropriated Base		3,244						3,244
01	GPSIII Follow On (8)	1	414,625				-20,000	1	394,625
	FY 2020 Appropriated Base	1	414,625					1	414,625
2 /	Excess to need						-20,000		-20,000
01	GPS III Space Segment (9)		31,466						31,466
	FY 2020 Appropriated Base		31,466						31,466
01	Spaceborne Equip (Comsec) (12)		32,031						32,031
	FY 2020 Appropriated Base		32,031						32,031
01	MILSATCOM (13)		11,096						11,096
	FY 2020 Appropriated Base		11,096						11,096
01	National Security Space Launch (NSSL) (15)	4	1,237,635					4	1,237,635
	FY 2020 Appropriated Base	4	1,237,635					4	1,237,635
01	SBIR High (Space) (16)		233,952				-7,000		226,952
	FY 2020 Appropriated Base		233,952						233,952
1 /	Program increase - infrared detectors						3,000		3,000
2 /	Underexecution						-10,000		-10,000
01	NUDET Detection System (17)		7,432						7,432
	FY 2020 Appropriated Base		7,432						7,432
01	Rocket Systems Launch Program (18)		11,473						11,473
	FY 2020 Appropriated Base		11,473						11,473
01	space fence (19)		71,784				-14,000		57,784
	FY 2020 Appropriated Base		71,784						71,784
2 /	Excess to need						-14,000		-14,000
01	Space Mods (20)		106,330						106,330
	FY 2020 Appropriated Base		106,330						106,330
01	Spacelift Range System Space (21)		118,140						118,140
	FY 2020 Appropriated Base		118,140						118,140
<b>Subtotal Budget Activity 01: Space Procurement, Air Force</b>			<b>2,407,120</b>				<b>-61,000</b>		<b>2,346,120</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Space Procurement, Air Force, 2020/2022 (3021F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 02: Spares								
02 Spares and Repair Parts (22)		7,263						7,263
FY 2020 Appropriated Base		7,263						7,263
Subtotal Budget Activity 02: Spares		7,263						7,263
Grand Total Space Procurement, Air Force, 2020/2022		2,414,383				-61,000		2,353,383
<i>Financing</i>								
APPROPRIATION, P.L. 116-93 (Base)		2,414,383				-61,000		2,353,383
TOTAL FINANCING - FY 2020 PROGRAM		2,414,383				-61,000		2,353,383
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Ammunition, Air Force, 2020/2022 (3011F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Ammunition</b>								
<b>01      Rockets</b>		<b>218,228</b>				<b>-10,300</b>		<b>207,928</b>
FY 2020 Appropriated Base								
2 / APKWS Mk 66 rocket motor price adjustment						-10,000		-10,000
2 / APKWS production support growth						-300		-300
Transfer from title IX						133,268		133,268
FY 2020 OCO (Title IX)		<b>218,228</b>						<b>218,228</b>
Transfer to title III						-133,268		-133,268
<b>01      Cartridges</b>		<b>193,091</b>						<b>193,091</b>
FY 2020 Appropriated Base								
Transfer from title IX						140,449		140,449
FY 2020 OCO (Title IX)		<b>193,091</b>						<b>193,091</b>
Transfer to title III						-140,449		-140,449
<b>01      Practice Bombs</b>		<b>29,313</b>						<b>29,313</b>
FY 2020 Appropriated Base								
Transfer from title IX						29,313		29,313
FY 2020 OCO (Title IX)		<b>29,313</b>						<b>29,313</b>
Transfer to title III						-29,313		-29,313
<b>01      General Purpose Bombs</b>		<b>631,194</b>						<b>631,194</b>
FY 2020 Appropriated Base								
Transfer from title IX						85,885		85,885
Realign from BLU-117 to multi-purpose load facility in accordance with Air Force plan						-17,000		-17,000
Realign to multi-purpose load facility from BLU-117 in accordance with Air Force plan						17,000		17,000
FY 2020 OCO (Title IX)		<b>631,194</b>						<b>631,194</b>
Transfer to title III						-85,885		-85,885
<b>01      Joint Direct Attack Munition</b>	<b>37,000</b>	<b>1,066,224</b>			<b>-12,000</b>	<b>-32,000</b>	<b>25,000</b>	<b>1,034,224</b>
FY 2020 Appropriated Base								
2 / JDAM taikit unit cost adjustment					-12,000	-32,000	-12,000	-32,000
Transfer from title IX						1,066,224		1,066,224
FY 2020 OCO (Title IX)	<b>37,000</b>	<b>1,066,224</b>					<b>37,000</b>	<b>1,066,224</b>
Transfer to title III						-1,066,224		-1,066,224
<b>01      B61</b>	<b>533</b>	<b>80,773</b>					<b>533</b>	<b>80,773</b>
FY 2020 Appropriated Base								
Transfer from title IX						80,773		80,773
FY 2020 OCO (Title IX)	<b>533</b>	<b>80,773</b>					<b>533</b>	<b>80,773</b>
Transfer to title III						-80,773		-80,773

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Procurement of Ammunition, Air Force, 2020/2022 (3011F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
01 Cad/Pad		47,069						47,069
FY 2020 Appropriated Base								
Transfer from title IX						47,069		47,069
FY 2020 OCO (Title IX)		47,069						47,069
Transfer to title III						-47,069		-47,069
01 Explosive Ordnance Disposal (EOD)		6,133						6,133
FY 2020 Appropriated Base								
Transfer from title IX						6,133		6,133
FY 2020 OCO (Title IX)		6,133						6,133
Transfer to title III						-6,133		-6,133
01 Spares And Repair Parts		533						533
FY 2020 Appropriated Base								
Transfer from title IX						533		533
FY 2020 OCO (Title IX)		533						533
Transfer to title III						-533		-533
01 Modifications		1,291						1,291
FY 2020 Appropriated Base								
Transfer from title IX						1,291		1,291
FY 2020 OCO (Title IX)		1,291						1,291
Transfer to title III						-1,291		-1,291
01 Items Less Than \$5,000,000		1,677						1,677
FY 2020 Appropriated Base								
Transfer from title IX						1,677		1,677
FY 2020 OCO (Title IX)		1,677						1,677
Transfer to title III						-1,677		-1,677
01 Flares		129,388						129,388
FY 2020 Appropriated Base								
Transfer from title IX						36,116		36,116
FY 2020 OCO (Title IX)		129,388						129,388
Transfer to title III						-36,116		-36,116
01 Fuzes		158,889				-4,675		154,214
FY 2020 Appropriated Base								
Transfer from title IX						1,734		1,734
FY 2020 OCO (Title IX)		158,889						158,889
2 / FMU-152 cost growth						-4,675		-4,675
Transfer to title III						-1,734		-1,734
Subtotal Budget Activity 01: Ammunition		2,563,803				-46,975		2,516,828

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Procurement of Ammunition, Air Force, 2020/2022 (3011F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Weapons</b>								
<b>02 Small Arms</b>		<b>43,591</b>						<b>43,591</b>
FY 2020 Appropriated Base								
Transfer from title IX						37,496		37,496
FY 2020 OCO (Title IX)		<b>43,591</b>						<b>43,591</b>
Transfer to title III						-37,496		-37,496
<b>Subtotal Budget Activity 02: Weapons</b>		<b>43,591</b>						<b>43,591</b>
<b>Grand Total Procurement of Ammunition, Air Force, 2020/2022</b>		<b>2,607,394</b>				<b>-46,975</b>		<b>2,560,419</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						1,625,661		1,625,661
APPROPRIATION, P.L. 116-93 (OCO)		2,607,394				-1,672,636		934,758
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>2,607,394</b>				<b>-46,975</b>		<b>2,560,419</b>

**Footnotes:**

2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Vehicular Equipment</b>								
<b>02 Passenger Carrying Vehicles</b>		16,514				126		16,640
FY 2020 Appropriated Base		15,238						15,238
FY 2020 OCO (Title IX)		1,276						1,276
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						126		126
<b>02 Medium Tactical Vehicle</b>		34,616						34,616
FY 2020 Appropriated Base		34,616						34,616
<b>02 Cap Vehicles</b>		1,040				1,654		2,694
FY 2020 Appropriated Base		1,040						1,040
1 / Program increase - vehicles						660		660
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						994		994
<b>02 Cargo and Utility Vehicles</b>		32,835						32,835
FY 2020 Appropriated Base		23,133						23,133
FY 2020 OCO (Title IX)		9,702						9,702
<b>02 Joint Light Tactical Vehicle</b>		73,026						73,026
FY 2020 Appropriated Base		32,027						32,027
FY 2020 OCO (Title IX)		40,999						40,999
<b>02 Security And Tactical Vehicles</b>		1,315						1,315
FY 2020 Appropriated Base		1,315						1,315
<b>02 Special Purpose Vehicles</b>		67,095				306		67,401
FY 2020 Appropriated Base		14,593						14,593
FY 2020 OCO (Title IX)		52,502						52,502
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						306		306
<b>02 Fire Fighting/Crash Rescue Vehicles</b>		45,256						45,256
FY 2020 Appropriated Base		28,604						28,604
FY 2020 OCO (Title IX)		16,652						16,652
<b>02 Materials Handling Vehicles</b>		24,792				276		25,068
FY 2020 Appropriated Base		21,848						21,848
FY 2020 OCO (Title IX)		2,944						2,944
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						276		276
<b>02 Runway Snow Remov And Cleaning Equ</b>		6,678						6,678
FY 2020 Appropriated Base		2,925						2,925
FY 2020 OCO (Title IX)		3,753						3,753
<b>02 Base Maintenance Support Vehicles</b>		67,613				2,400		70,013
FY 2020 Appropriated Base		55,776						55,776
FY 2020 OCO (Title IX)		11,837						11,837
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						2,400		2,400
<b>Subtotal Budget Activity 02: Vehicular Equipment</b>		370,780				4,762		375,542



# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Electronics and Telecommunications Equip</b>								
<b>03 Comsec Equipment</b>		91,461				-10,000		81,461
FY 2020 Appropriated Base		91,461						91,461
2 / Unobligated balances						-10,000		-10,000
<b>03 International Intel Tech &amp; Architectures</b>		11,386						11,386
FY 2020 Appropriated Base		11,386						11,386
<b>03 Intelligence Training Equipment</b>		7,619						7,619
FY 2020 Appropriated Base		7,619						7,619
<b>03 Intelligence Comm Equipment</b>		35,558				-3,510		32,048
FY 2020 Appropriated Base		35,558						35,558
2 / IMAD procurement unjustified						-3,510		-3,510
<b>03 Air Traffic Control &amp; Landing Sys</b>		17,939				5,000		22,939
FY 2020 Appropriated Base		17,939						17,939
1 / Program increase - deployable instrument landing system						5,000		5,000
<b>03 Battle Control System - Fixed</b>		3,063						3,063
FY 2020 Appropriated Base		3,063						3,063
<b>03 Weather Observation Forecast</b>		31,447						31,447
FY 2020 Appropriated Base		31,447						31,447
<b>03 Strategic Command And Control</b>		5,090						5,090
FY 2020 Appropriated Base		5,090						5,090
<b>03 Cheyenne Mountain Complex</b>		10,145						10,145
FY 2020 Appropriated Base		10,145						10,145
<b>03 Mission Planning Systems</b>		14,508						14,508
FY 2020 Appropriated Base		14,508						14,508
<b>03 Integrated Strat Plan &amp; Analy Network (ISPAN)</b>		9,901				-1,300		8,601
FY 2020 Appropriated Base		9,901						9,901
2 / Unit cost growth						-1,300		-1,300
<b>03 General Information Technology</b>		31,933				4,820		36,753
FY 2020 Appropriated Base		26,933						26,933
Air Force requested transfer from OM,AF SAG 011D for SCARS						4,820		4,820
FY 2020 OCO (Title IX)		5,000						5,000
<b>03 Af Global Command &amp; Control Sys</b>		2,756						2,756
FY 2020 Appropriated Base		2,756						2,756
<b>03 Battlefield Airborne Control Node (BACN)</b>		48,478						48,478
FY 2020 Appropriated Base		48,478						48,478
<b>03 Mobility Command And Control</b>		21,186						21,186
FY 2020 Appropriated Base		21,186						21,186

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>03 Air Force Physical Security System</b>		<b>285,280</b>				<b>12,000</b>		<b>297,280</b>
FY 2020 Appropriated Base		178,361						178,361
FY 2020 OCO (Title IX)		106,919						106,919
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						12,000		12,000
<b>03 Combat Training Ranges</b>		<b>233,993</b>				<b>48,900</b>		<b>282,893</b>
FY 2020 Appropriated Base		233,993						233,993
1 / Program increase - joint threat emitter						28,000		28,000
1 / Program increase - F-35 advanced threat systems						20,900		20,900
<b>03 Minimum Essential Emergency Comm N</b>		<b>132,648</b>						<b>132,648</b>
FY 2020 Appropriated Base		132,648						132,648
<b>03 Wide Area Surveillance (WAS)</b>		<b>80,818</b>				<b>-38,700</b>		<b>42,118</b>
FY 2020 Appropriated Base		80,818						80,818
2 / Schedule slips						-18,700		-18,700
Air Force requested transfer to RDTE,AF line 155 for WAS						-20,000		-20,000
<b>03 C3 Countermeasures</b>		<b>25,036</b>						<b>25,036</b>
FY 2020 Appropriated Base		25,036						25,036
<b>03 Integrated Personnel and Pay System</b>		<b>20,900</b>				<b>-20,900</b>		
FY 2020 Appropriated Base		20,900						20,900
Acquisition strategy						-20,900		-20,900
<b>03 GCSS-AF Fos</b>		<b>11,226</b>						<b>11,226</b>
FY 2020 Appropriated Base		11,226						11,226
<b>03 Defense Enterprise Accounting &amp; Mgt Sys</b>		<b>1,905</b>						<b>1,905</b>
FY 2020 Appropriated Base		1,905						1,905
<b>03 Maintenance Repair &amp; Overhaul Initiative</b>		<b>1,912</b>						<b>1,912</b>
FY 2020 Appropriated Base		1,912						1,912
<b>03 Theater Battle Mgt C2 System</b>		<b>6,337</b>						<b>6,337</b>
FY 2020 Appropriated Base		6,337						6,337
<b>03 Air &amp; Space Operations Center (AOC)</b>		<b>33,243</b>						<b>33,243</b>
FY 2020 Appropriated Base		33,243						33,243
<b>03 Base Information Transprt Infrast (BITI) Wired</b>		<b>69,530</b>				<b>-7,250</b>		<b>62,280</b>
FY 2020 Appropriated Base		69,530						69,530
2 / Restoring acquisition accountability						-7,250		-7,250
<b>03 AFNET</b>		<b>147,063</b>				<b>-16,000</b>		<b>131,063</b>
FY 2020 Appropriated Base		147,063						147,063
2 / Maintain level of effort						-4,000		-4,000
2 / Prior year carryover						-7,000		-7,000
2 / Poor justification materials						-5,000		-5,000
<b>03 Joint Communications Support Element (JCSE)</b>		<b>6,505</b>						<b>6,505</b>
FY 2020 Appropriated Base		6,505						6,505
<b>03 USCENTCOM</b>		<b>20,190</b>						<b>20,190</b>
FY 2020 Appropriated Base		20,190						20,190

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
03 USSTRATCOM		11,244						11,244
FY 2020 Appropriated Base		11,244						11,244
03 Tactical C-E Equipment		144,063						144,063
FY 2020 Appropriated Base		143,757						143,757
FY 2020 OCO (Title IX)		306						306
03 Radio Equipment		15,402						15,402
FY 2020 Appropriated Base		15,402						15,402
03 CCTV/Audiovisual Equipment		3,211				-1,000		2,211
FY 2020 Appropriated Base		3,211						3,211
2 / Underexecution						-1,000		-1,000
03 Base Comm Infrastructure		47,423				7,934		55,357
FY 2020 Appropriated Base		43,123						43,123
FY 2020 OCO (Title IX)		4,300						4,300
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						7,934		7,934
03 Comm Elect Mods		14,500						14,500
FY 2020 Appropriated Base		14,500						14,500
Subtotal Budget Activity 03: Electronics and Telecommunications Equip		1,654,899				-20,006		1,634,893

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Other Base Maintenance and Support Equip</b>								
<b>04 Personal Safety and Rescue Equipment</b>		72,834				-3,700		69,134
FY 2020 Appropriated Base		50,634						50,634
2 / Integrated aircrew ensemble unit cost increase						-2,200		-2,200
2 / Next generation fixed wing helmet ahead of need						-1,500		-1,500
FY 2020 OCO (Title IX)		22,200						22,200
<b>04 Power Conditioning Equipment</b>		11,000						11,000
FY 2020 Appropriated Base		11,000						11,000
<b>04 Mechanized Material Handling Equip</b>		11,901						11,901
FY 2020 Appropriated Base		11,901						11,901
<b>04 Base Procured Equipment</b>		23,963				24,500		48,463
FY 2020 Appropriated Base		23,963						23,963
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						24,500		24,500
<b>04 Engineering and EOD Equipment</b>		34,124						34,124
FY 2020 Appropriated Base		34,124						34,124
<b>04 Mobility Equipment</b>		52,974						52,974
FY 2020 Appropriated Base		26,439						26,439
FY 2020 OCO (Title IX)		26,535						26,535
<b>04 Fuels Support Equipment (FSE)</b>		28,295						28,295
FY 2020 Appropriated Base		24,255						24,255
FY 2020 OCO (Title IX)		4,040						4,040
<b>04 Base Maintenance and Support Equipment</b>		59,053						59,053
FY 2020 Appropriated Base		38,986						38,986
FY 2020 OCO (Title IX)		20,067						20,067
<b>04 DARP RC135</b>		26,716				25,063		51,779
FY 2020 Appropriated Base		26,716						26,716
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						25,063		25,063
<b>04 DCGS-AF</b>		116,055						116,055
FY 2020 Appropriated Base		116,055						116,055
<b>04 Special Update Program</b>		835,148				82,000		917,148
FY 2020 Appropriated Base		835,148						835,148
1 / Classified adjustment						82,000		82,000
<b>04 Classified Programs</b>		21,501,873				238,847		21,740,720
FY 2020 Appropriated Base		17,637,807						17,637,807
1 / Classified adjustment						683,144		683,144
FY 2020 OCO (Title IX)		3,864,066						3,864,066
1 / Classified adjustment						210,703		210,703
2 / Classified adjustment						-210,703		-210,703
Transfer to title III						-444,297		-444,297
<b>Subtotal Budget Activity 04: Other Base Maintenance and Support Equip</b>		22,773,936				366,710		23,140,646

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Other Procurement, Air Force, 2020/2022 (3080F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: Spares and Repair Parts</b>								
<b>05 Spares And Repair Parts</b>		81,340				4,375		85,715
FY 2020 Appropriated Base		81,340						81,340
FY 2020 Disaster Relief (Title X)								
1 / Hurricane Michael and Florence						4,375		4,375
<b>Subtotal Budget Activity 05: Spares and Repair Parts</b>		81,340				4,375		85,715
<b>Grand Total Other Procurement, Air Force, 2020/2022</b>		24,880,955				355,841		25,236,796
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		20,687,857				722,164		21,410,021
APPROPRIATION, P.L. 116-93 (OCO)		4,193,098				-444,297		3,748,801
APPROPRIATION, P.L. 116-93 (Title X)						77,974		77,974
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		24,880,955				355,841		25,236,796

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.

For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Basic Research</b>								
01 0601102F Defense Research Sciences (1)		356,107						356,107
FY 2020 Appropriated Base		356,107						356,107
01 0601103F University Research Initiatives (2)		158,859				20,000		178,859
FY 2020 Appropriated Base		158,859						158,859
1 / Program increase						20,000		20,000
01 0601108F High Energy Laser Research Initiatives (3)		14,795						14,795
FY 2020 Appropriated Base		14,795						14,795
<b>Subtotal Budget Activity 01: Basic Research</b>								
		529,761				20,000		549,761
<b>Budget Activity 02: Applied Research</b>								
02 0602102F Materials (4)		128,851				87,000		215,851
FY 2020 Appropriated Base		128,851						128,851
1 / Program increase - molybdenum silicon boron research						3,000		3,000
1 / Program increase - coating technologies						10,000		10,000
1 / Program increase - high performance materials						8,000		8,000
1 / Program increase - deployable passive cooling						5,000		5,000
1 / Program increase - additive manufacturing						20,000		20,000
1 / Program increase - minority leaders program						8,500		8,500
1 / Program increase - certification of advanced composites						15,000		15,000
1 / Program increase - advanced aerospace composite structures						8,000		8,000
1 / Program increase - human monitoring capabilities						9,500		9,500
02 0602201F Aerospace Vehicle Technologies (5)		147,724				10,000		157,724
FY 2020 Appropriated Base		147,724						147,724
1 / Program increase - hypersonic vehicle structures						10,000		10,000
02 0602202F Human Effectiveness Applied Research (6)		131,795				3,000		134,795
FY 2020 Appropriated Base		131,795						131,795
1 / Program increase - advanced technology development						3,000		3,000
02 0602203F Aerospace Propulsion (7)		198,775				28,000		226,775
FY 2020 Appropriated Base		198,775						198,775
1 / Program increase - advanced turbine technologies						2,000		2,000
1 / Program increase - next generation liquid propulsion						5,000		5,000
1 / Program increase - next generation Hall thruster						14,000		14,000
1 / Program increase - thermal management technology						7,000		7,000
02 0602204F Aerospace Sensors (8)		202,912				17,000		219,912
FY 2020 Appropriated Base		202,912						202,912
1 / Program increase - exploitation detection						9,000		9,000
1 / Program increase - RF spectrum situational awareness						8,000		8,000
02 0602298F Science and Technology Management - Major Headquarters Activities (10)		7,968						7,968
FY 2020 Appropriated Base		7,968						7,968

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)**

Fiscal Year Program:

**2020**

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 0602602F Conventional Munitions (12)</b>		<b>142,772</b>						<b>142,772</b>
<b>FY 2020 Appropriated Base</b>		<b>142,772</b>						<b>142,772</b>
<b>02 0602605F Directed Energy Technology (13)</b>		<b>124,379</b>						<b>124,379</b>
<b>FY 2020 Appropriated Base</b>		<b>124,379</b>						<b>124,379</b>
<b>02 0602788F Dominant Information Sciences and Methods (14)</b>		<b>181,562</b>				<b>34,500</b>		<b>216,062</b>
<b>FY 2020 Appropriated Base</b>		<b>181,562</b>						<b>181,562</b>
1 / Program increase						5,000		5,000
1 / Program increase - artificial intelligence/machine learning accelerator						8,000		8,000
1 / Program increase - combat cloud technology						2,500		2,500
1 / Program increase - quantum information science innovation center						8,000		8,000
1 / Program increase - quantum communications						4,000		4,000
1 / Program increase - quantum cryptography						7,000		7,000
<b>02 0602890F High Energy Laser Research (15)</b>		<b>44,221</b>				<b>4,000</b>		<b>48,221</b>
<b>FY 2020 Appropriated Base</b>		<b>44,221</b>						<b>44,221</b>
1 / Program increase - directed energy fiber lasers						4,000		4,000
<b>02 1206601F Space Technology (16)</b>		<b>124,667</b>				<b>37,000</b>		<b>161,667</b>
<b>FY 2020 Appropriated Base</b>		<b>124,667</b>						<b>124,667</b>
1 / Program increase - thin-film photovoltaic energy						7,000		7,000
1 / Program increase - operational cryogenic upper stage augmentation kit						10,000		10,000
1 / Program increase - resilient space structure architecture						15,000		15,000
1 / Program increase - space situational awareness research						5,000		5,000
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>1,435,626</b>				<b>220,500</b>		<b>1,656,126</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Advanced Technology Development</b>								
<b>03 0603112F</b>								
Advanced Materials for Weapon Systems (17)		36,586				23,500		60,086
FY 2020 Appropriated Base		36,586						36,586
1 / Program increase - metal affordability research						10,000		10,000
1 / Program increase - composites technology						9,000		9,000
1 / Program increase - advanced ballistic eyewear						2,500		2,500
1 / Program increase - artificial intelligence enhanced life cycle management						2,000		2,000
<b>03 0603199F</b>								
Sustainment Science and Technology (S&T) (18)		16,249						16,249
FY 2020 Appropriated Base		16,249						16,249
<b>03 0603203F</b>								
Advanced Aerospace Sensors (19)		38,292				4,000		42,292
FY 2020 Appropriated Base		38,292						38,292
1 / Program increase - sensor integration to support ISR operations						4,000		4,000
<b>03 0603211F</b>								
Aerospace Technology Dev/Demo (20)		102,949				25,000		127,949
FY 2020 Appropriated Base		102,949						102,949
1 / Unfunded requirement - Agility Prime						25,000		25,000
1 / Program increase - low cost attritable aircraft technology						100,000		100,000
1, / Program increase - low cost attritable aircraft technology						-100,000		-100,000
4								
<b>03 0603216F</b>								
Aerospace Propulsion and Power Technology (21)		113,973				57,000		170,973
FY 2020 Appropriated Base		113,973						113,973
1 / Program increase - low spool generator capabilities						5,000		5,000
1 / Program increase - advanced turbine gas generator						17,000		17,000
1 / Program increase - chemical apogee engines						5,000		5,000
1 / Program increase - silicon carbide research						10,000		10,000
1 / Program increase - space propulsion technologies						2,000		2,000
1 / Program increase - upper stage engine technology						18,000		18,000
<b>03 0603270F</b>								
Electronic Combat Technology (22)		48,408						48,408
FY 2020 Appropriated Base		48,408						48,408
<b>03 0603401F</b>								
Advanced Spacecraft Technology (23)		70,525				10,000		80,525
FY 2020 Appropriated Base		70,525						70,525
1 / Program increase - radiation hardened memory						10,000		10,000
<b>03 0603444F</b>								
Maui Space Surveillance System (MSSS) (24)		11,878						11,878
FY 2020 Appropriated Base		11,878						11,878
<b>03 0603456F</b>								
Human Effectiveness Advanced Technology Development (25)		37,542						37,542
FY 2020 Appropriated Base		37,542						37,542
<b>03 0603601F</b>								
Conventional Weapons Technology (26)		225,817						225,817
FY 2020 Appropriated Base		225,817						225,817
<b>03 0603605F</b>								
Advanced Weapons Technology (27)		37,404						37,404
FY 2020 Appropriated Base		37,404						37,404



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)						2020		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
03	0603680F	<b>Manufacturing Technology Program (28)</b>					<b>87,800</b>	<b>130,916</b>
		<b>FY 2020 Appropriated Base</b>						<b>43,116</b>
	1 /	Program increase - thermal protection for hypersonic vehicles					10,000	10,000
	1 /	Program increase - modeling technology for small turbine engines					5,000	5,000
	1 /	Program increase - manufacturing technology for reverse engineering					5,000	5,000
	1 /	Program increase - solid state battery research					3,000	3,000
	1 /	Program increase - agile manufacturing initiatives					10,000	10,000
	1 /	Program increase - materials development research					5,000	5,000
	1 /	Program increase - F-35 battery technology					9,800	9,800
	1 /	Program increase - low cost manufacturing methods for hypersonic vehicle components					8,000	8,000
	1 /	Program increase - flexible hybrid electronics					5,000	5,000
	1 /	Program increase - aerospace composite structures					5,000	5,000
	1 /	Program increase - certification of bonded aircraft structures					5,000	5,000
	1 /	Program increase - industrialization of ceramic matrix composites for hypersonic weapons					10,000	10,000
	1 /	Program increase - thermal battery					2,000	2,000
	1 /	Program increase - technologies to repair fastener holes					5,000	5,000
03	0603788F	<b>Battlespace Knowledge Development and Demonstration (29)</b>						<b>56,414</b>
		<b>FY 2020 Appropriated Base</b>						<b>56,414</b>
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>			<b>839,153</b>				<b>207,300</b>	<b>1,046,453</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Advanced Component Development &amp; Prototypes</b>								
04 0603260F Intelligence Advanced Development (31)		5,672						5,672
FY 2020 Appropriated Base		5,672						5,672
04 0603742F Combat Identification Technology (32)		27,085				5,000		32,085
FY 2020 Appropriated Base		27,085						27,085
1 / Program increase - trusted time loaders						5,000		5,000
04 0603790F NATO Research and Development (33)		4,955						4,955
FY 2020 Appropriated Base		4,955						4,955
04 0603851F Intercontinental Ballistic Missile - Dem/Val (34)		44,109				-13,140		30,969
FY 2020 Appropriated Base		44,109						44,109
2 / Excess to need						-13,140		-13,140
04 0603859F Pollution Prevention - DEM/VAL (35)						3,000		3,000
FY 2020 Appropriated Base								
1 / Program increase - alternative energy aircraft tugs						3,000		3,000
04 0604002F Air Force Weather Services Research (36)		772						772
FY 2020 Appropriated Base		772						772
04 0604004F Advanced Engine Development (37)		878,442				-207,000		671,442
FY 2020 Appropriated Base		878,442						878,442
2 / Funding excess to need						-207,000		-207,000
04 0604015F Long Range Strike - Bomber (38)		3,003,899				-21,400		2,982,499
FY 2020 Appropriated Base		3,003,899						3,003,899
2 / Classified adjustment						-21,400		-21,400
04 0604032F Directed Energy Prototyping (39)		10,000				34,000		44,000
FY 2020 Appropriated Base		10,000						10,000
1 / Unfunded requirement						20,000		20,000
1 / Program increase - counter-UAS targeting solution						14,000		14,000
04 0604033F Hypersonics Prototyping (40)		576,000						576,000
FY 2020 Appropriated Base		576,000						576,000
04 0604201F PNT Resiliency, Mods, and Improvements (41)		92,600				32,000		124,600
FY 2020 Appropriated Base		92,600						92,600
1 / Unfunded requirement						32,000		32,000
04 0604257F Advanced Technology and Sensors (42)		23,145						23,145
FY 2020 Appropriated Base		23,145						23,145
04 0604288F National Airborne Ops Center (NAOC) Recap (43)		16,669				-4,000		12,669
FY 2020 Appropriated Base		16,669						16,669
2 / Unjustified growth						-4,000		-4,000
04 0604317F Technology Transfer (44)		23,614				14,000		37,614
FY 2020 Appropriated Base		23,614						23,614
1 / Program increase - technology partnerships						4,000		4,000
1 / Program increase - academic partnership intermediary agreement tech transfer						10,000		10,000

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04	0604327F								
	Hard and Deeply Buried Target Defeat System (HDBTDS) Program (45)		113,121						113,121
	FY 2020 Appropriated Base		113,121						113,121
04	0604414F								
	Cyber Resiliency of Weapon Systems-ACS (46)		56,325						56,325
	FY 2020 Appropriated Base		56,325						56,325
04	0604776F								
	Deployment & Distribution Enterprise R&D (47)		28,034						28,034
	FY 2020 Appropriated Base		28,034						28,034
04	0604858F								
	Tech Transition Program (48)		154,926				160,000		314,926
	FY 2020 Appropriated Base		128,476						128,476
	1 / Program increase - advanced repair and qualification processes						6,000		6,000
	1 / Program increase - rapid sustainment office						20,000		20,000
	1 / Program increase - reliable power for critical infrastructure						6,000		6,000
	1 / Program increase - logistics technologies						5,000		5,000
	1 / Program increase - small satellite manufacturing						8,000		8,000
	1 / Program increase - directed energy experimentation						5,000		5,000
	1 / Program increase - additive manufacturing						10,000		10,000
	1,4 / Program increase - low cost attritable aircraft technology						100,000		100,000
	FY 2020 OCO (Title IX)		26,450						26,450
04	0605230F								
	Ground Based Strategic Deterrent (49)		570,373				-12,878		557,495
	FY 2020 Appropriated Base		570,373						570,373
	1 / Program increase - risk reduction						65,100		65,100
	2 / TMRR contract funding excess to need						-100,000		-100,000
	Air Force requested transfer from line 168						22,022		22,022
04	0207100F								
	Light Attack Armed Reconnaissance (LAAR) Squadrons (50)		35,000				-33,000		2,000
	FY 2020 Appropriated Base		35,000						35,000
	2 / Unclear acquisition strategy						-33,000		-33,000
04	0207110F								
	Next Generation Air Dominance (51)		1,000,000				-95,000		905,000
	FY 2020 Appropriated Base		1,000,000						1,000,000
	2 / Classified adjustment						-95,000		-95,000
04	0207455F								
	Three Dimensional Long-Range Radar (3DELRR) (52)		37,290				-14,100		23,190
	FY 2020 Appropriated Base		37,290						37,290
	2 / Schedule slip						-14,100		-14,100
04	0208099F								
	Unified Platform (UP) (53)		10,000						10,000
	FY 2020 Appropriated Base		10,000						10,000
04	0305236F								
	Common Data Link Executive Agent (CDL EA) (54)		36,910						36,910
	FY 2020 Appropriated Base		36,910						36,910
04	0305251F								
	Cyberspace Operations Forces and Force Support (55)		35,000						35,000
	FY 2020 Appropriated Base		35,000						35,000
04	0305601F								
	Mission Partner Environments (56)		8,550						8,550
	FY 2020 Appropriated Base		8,550						8,550

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04 0306250F		198,864				3,500		202,364
		198,864						198,864
1 / Program increase - cloud communication validation pilot						3,500		3,500
04 0306415F		16,632						16,632
		16,632						16,632
04 0901410F		20,830						20,830
		20,830						20,830
04 1203164F		329,948				-9,350		320,598
		329,948						329,948
2 / Unjustified growth						-9,350		-9,350
04 1203710F		101,222				24,742		125,964
		101,222						101,222
Transfer from line 72						24,742		24,742
04 1206422F		225,660				-20,000		205,660
		225,660						225,660
2 / Unjustified growth						-20,000		-20,000
04 1206425F		29,776						29,776
		29,776						29,776
04 1206427F		142,045						142,045
		142,045						142,045
04 1206438F		64,231				-6,000		58,231
		64,231						64,231
2 / Underexecution						-6,000		-6,000
04 1206730F		56,385						56,385
		56,385						56,385
04 1206760F		105,003						105,003
		105,003						105,003
04 1206761F		173,694				-10,000		163,694
		173,694						173,694
2 / Unjustified growth						-10,000		-10,000
04 1206855F		172,206				-5,000		167,206
		172,206						172,206
2 / Unjustified increase						-5,000		-5,000
04 1206857F		51,627				-24,742		26,885
		33,742						33,742
Transfer to line 62						-24,742		-24,742
		17,885						17,885
04 0604003F						8,000		8,000
1, / Program increase - requirements refinement and technology						8,000		8,000
5 identification								
Subtotal Budget Activity 04: Advanced Component Development & Prototypes		8,480,614				-191,368		8,289,246

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: System Development &amp; Demonstration</b>								
05 0604200F		246,200				-241,200		5,000
		246,200						246,200
2 /						-241,200		-241,200
05 0604201F		67,782				75,000		142,782
		67,782						67,782
1 /						75,000		75,000
05 0604222F		4,406						4,406
		4,406						4,406
05 0604270F		2,066						2,066
		2,066						2,066
05 0604281F		229,631				-40,000		189,631
		229,631						229,631
2 /						-40,000		-40,000
05 0604287F		9,700						9,700
		9,700						9,700
05 0604329F		31,241				14,000		45,241
		31,241						31,241
1 /						4,000		4,000
1 /						10,000		10,000
05 0604429F		2				-2		
		2						2
2 /						-2		-2
05 0604602F		28,043						28,043
		28,043						28,043
05 0604604F		3,045						3,045
		3,045						3,045
05 0604617F		19,944				7,000		26,944
		19,944						19,944
1 /						7,000		7,000
05 0604706F		8,624				6,000		14,624
		8,624						8,624
1 /						6,000		6,000
05 0604735F		37,365				15,000		52,365
		37,365						37,365
1 /						15,000		15,000
05 0604800F		7,628						7,628
		7,628						7,628
05 0604932F		712,539						712,539
		712,539						712,539
05 0604933F		161,199						161,199
		161,199						161,199

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	0605030F		2,414						2,414
	FY 2020 Appropriated Base		2,414						2,414
05	0605056F		30,000						30,000
	FY 2020 Appropriated Base		30,000						30,000
05	0605221F		59,561						59,561
	FY 2020 Appropriated Base		59,561						59,561
05	0605223F		348,473				-8,100		340,373
	FY 2020 Appropriated Base		348,473						348,473
2 /	Forward financed						-8,100		-8,100
05	0605229F		247,047						247,047
	FY 2020 Appropriated Base		247,047						247,047
05	0605931F		294,400				-44,300		250,100
	FY 2020 Appropriated Base		294,400						294,400
2 /	Unjustified growth in management services						-34,300		-34,300
2 /	Test and evaluation funding early to need						-10,000		-10,000
05	0101125F		27,564						27,564
	FY 2020 Appropriated Base		27,564						27,564
05	0101213F		1				-1		1
	FY 2020 Appropriated Base		1						1
2 /	Unjustified request						-1		-1
05	0207171F		47,322						47,322
	FY 2020 Appropriated Base		47,322						47,322
05	0207328F		162,840						162,840
	FY 2020 Appropriated Base		162,840						162,840
05	0207701F		9,797						9,797
	FY 2020 Appropriated Base		9,797						9,797
05	0401310F		9,930						9,930
	FY 2020 Appropriated Base		9,930						9,930
05	0401319F		757,923						757,923
	FY 2020 Appropriated Base		757,923						757,923
05	0701212F		2,787						2,787
	FY 2020 Appropriated Base		2,787						2,787
05	1203176F		2,000						2,000
	FY 2020 Appropriated Base		2,000						2,000
05	1203269F		462,875				-15,000		447,875
	FY 2020 Appropriated Base		462,875						462,875
2 /	Excess to need						-15,000		-15,000
05	1203940F		76,829				-20,000		56,829
	FY 2020 Appropriated Base		76,829						76,829
2 /	Forward financed						-20,000		-20,000
05	1206421F		29,037				-2,000		27,037
	FY 2020 Appropriated Base		29,037						29,037
2 /	Underexection						-2,000		-2,000

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
05	1206422F		2,237						2,237
	FY 2020 Appropriated Base		2,237						2,237
05	1206425F		412,894				-50,000		362,894
	FY 2020 Appropriated Base		412,894						412,894
2	/ Silent Barker Phase II phasing						-50,000		-50,000
05	1206431F		117,290						117,290
	Advanced EHF MILSATCOM (SPACE) (116)		117,290						117,290
	FY 2020 Appropriated Base		117,290						117,290
05	1206432F		427,400				-15,000		412,400
	Polar MILSATCOM (SPACE) (117)		427,400						427,400
	FY 2020 Appropriated Base		427,400						427,400
2	/ Prior year carryover						-15,000		-15,000
05	1206433F		1,920						1,920
	Wideband Global SATCOM (SPACE) (118)		1,920						1,920
	FY 2020 Appropriated Base		1,920						1,920
05	1206441F		1						1
	Space Based Infrared System (SBIRS) High EMD (119)		1						1
	FY 2020 Appropriated Base		1						1
05	1206442F		1,395,278				75,000		1,470,278
	Next Generation OPIR (120)		1,395,278						1,395,278
	FY 2020 Appropriated Base		1,395,278						1,395,278
1	/ Program increase						75,000		75,000
05	1206445F						5,000		5,000
	Commercial SATCOM Integration (121)								5,000
	FY 2020 Appropriated Base								5,000
1	/ Program increase - commercial satellite communications						5,000		5,000
05	1206853F		432,009						432,009
	National Security Space Launch Program (SPACE) - EMD (122)		432,009						432,009
	FY 2020 Appropriated Base		432,009						432,009
Subtotal Budget Activity 05: System Development & Demonstration			6,929,244				-238,603		6,690,641

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Management Support</b>								
06 1206862F						19,000		19,000
1 /						19,000		19,000
06 0604256F		59,693						59,693
		59,693						59,693
06 0604759F		181,663				-75,000		106,663
		181,663						181,663
1 /						36,000		36,000
						-111,000		-111,000
06 0605101F		35,258						35,258
		35,258						35,258
06 0605712F		13,793						13,793
		13,793						13,793
06 0605807F		717,895						717,895
		717,895						717,895
06 0605826F		258,667				-3,000		255,667
		258,667						258,667
						-3,000		-3,000
06 0605827F		251,992				-2,000		249,992
		251,992						251,992
						-2,000		-2,000
06 0605828F		149,191						149,191
		149,191						149,191
06 0605829F		235,360						235,360
		235,360						235,360
06 0605830F		160,196						160,196
		160,196						160,196
06 0605831F		220,255				8,000		228,255
		220,255						220,255
						8,000		8,000
06 0605832F		42,392				-3,000		39,392
		42,392						42,392
						-3,000		-3,000
06 0605833F		133,231						133,231
		133,231						133,231
06 0605898F		5,590						5,590
		5,590						5,590
06 0605976F		88,445						88,445
		88,445						88,445



## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
06	0605978F								
	Facilities Sustainment - Test and Evaluation Support (139)		29,424						29,424
	FY 2020 Appropriated Base		29,424						29,424
06	0606017F								
	Requirements Analysis and Maturation (140)		62,715				24,000		86,715
	FY 2020 Appropriated Base		62,715						62,715
	1 / Unfunded requirement - development planning						2,000		2,000
	1 / Unfunded requirement - integrated simulation and analysis						4,000		4,000
	1 / Program increase - nuclear deterrence research						10,000		10,000
	1 / Program increase - nuclear modernization analytics						8,000		8,000
06	0606398F								
	Management HQ - T&E (141)		5,013						5,013
	FY 2020 Appropriated Base		5,013						5,013
06	0308602F								
	ENTEPRISE INFORMATION SERVICES (EIS) (142)		17,128				-6,500		10,628
	FY 2020 Appropriated Base		17,128						17,128
	2 / Forward financed						-6,500		-6,500
06	0702806F								
	Acquisition and Management Support (143)		5,913						5,913
	FY 2020 Appropriated Base		5,913						5,913
06	0804731F								
	General Skill Training (144)		1,475				5,000		6,475
	FY 2020 Appropriated Base		1,475						1,475
	1 / Program increase - integrated training and maintenance support systems						5,000		5,000
06	1001004F								
	International Activities (146)		4,071						4,071
	FY 2020 Appropriated Base		4,071						4,071
06	1206116F								
	Space Test and Training Range Development (147)		19,942				-5,000		14,942
	FY 2020 Appropriated Base		19,942						19,942
	2 / Underexecution						-5,000		-5,000
06	1206392F								
	Space and Missile Center (SMC) Civilian Workforce (148)		167,810						167,810
	FY 2020 Appropriated Base		167,810						167,810
06	1206398F								
	Space & Missile Systems Center - MHA (149)		10,170						10,170
	FY 2020 Appropriated Base		10,170						10,170
06	1206860F								
	Rocket Systems Launch Program (SPACE) (150)		13,192						13,192
	FY 2020 Appropriated Base		13,192						13,192
06	1206864F								
	Space Test Program (STP) (151)		26,097						26,097
	FY 2020 Appropriated Base		26,097						26,097
Subtotal Budget Activity 06: Management Support			2,916,571				-38,500		2,878,071

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Operational Systems Development</b>								
07 0604003F								
Advanced Battle Management System (ABMS) (152)		35,611						35,611
FY 2020 Appropriated Base		35,611						35,611
1 / Program increase - requirements refinement and technology identification						8,000		8,000
1, / Program increase - requirements refinement and technology identification						-8,000		-8,000
5								
07 0604233F								
Specialized Undergraduate Flight Training (154)		2,584						2,584
FY 2020 Appropriated Base		2,584						2,584
07 0604445F								
Wide Area Surveillance (155)						20,000		20,000
FY 2020 Appropriated Base								
Air Force requested transfer from OP,AF line 34						20,000		20,000
07 0604776F								
Deployment & Distribution Enterprise R&D (156)		903						903
FY 2020 Appropriated Base		903						903
07 0604840F								
F-35 C2D2 (157)		694,455				-52,084		642,371
FY 2020 Appropriated Base		694,455						694,455
2 / Prior year execution delays						-52,084		-52,084
07 0605018F								
AF Integrated Personnel and Pay System (AF-IPPS) (158)		40,567						40,567
FY 2020 Appropriated Base		40,567						40,567
07 0605024F								
Anti-Tamper Technology Executive Agency (159)		47,193						47,193
FY 2020 Appropriated Base		47,193						47,193
07 0605117F								
Foreign Materiel Acquisition and Exploitation (160)		70,083						70,083
FY 2020 Appropriated Base		70,083						70,083
07 0605278F								
HC/MC-130 Recap RDT&E (161)		17,218						17,218
FY 2020 Appropriated Base		17,218						17,218
07 0606018F								
NC3 Integration (162)		25,917						25,917
FY 2020 Appropriated Base		25,917						25,917
07 0101113F								
B-52 Squadrons (164)		325,974				-2,350		323,624
FY 2020 Appropriated Base		325,974						325,974
1 / Program increase - Air Force Global Strike Command innovation hub						2,000		2,000
2 / Advanced target pod contract delay						-4,350		-4,350
07 0101122F								
Air-Launched Cruise Missile (ALCM) (165)		10,217						10,217
FY 2020 Appropriated Base		10,217						10,217
07 0101126F								
B-1B Squadrons (166)		1,000						1,000
FY 2020 Appropriated Base		1,000						1,000
07 0101127F								
B-2 Squadrons (167)		97,276				-4,200		93,076
FY 2020 Appropriated Base		97,276						97,276
1 / Program increase - B-2 training modernization						5,000		5,000
2 / Airspace compliance schedule delay						-9,200		-9,200

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0101213F								
	Minuteman Squadrons (168)		128,961				-24,742		104,219
	FY 2020 Appropriated Base		128,961						128,961
	2 / Launch control center block upgrade excess to need						-2,720		-2,720
	Air Force requested transfer to line 49						-22,022		-22,022
07	0101316F								
	Worldwide Joint Strategic Communications (170)		18,177				8,000		26,177
	FY 2020 Appropriated Base		18,177						18,177
	1 / Program increase - NC3 architecture development						8,000		8,000
07	0101324F								
	Integrated Strategic Planning & Analysis Network (171)		24,261						24,261
	FY 2020 Appropriated Base		24,261						24,261
07	0101328F								
	ICBM Reentry Vehicles (172)		75,571				-9,900		65,671
	FY 2020 Appropriated Base		75,571						75,571
	2 / Program delay						-9,900		-9,900
07	0102110F								
	UH-1N Replacement Program (174)		170,975						170,975
	FY 2020 Appropriated Base		170,975						170,975
07	0205219F								
	MQ-9 UAV (176)		154,996				-27,700		127,296
	FY 2020 Appropriated Base		154,996						154,996
	2 / Upgrade program excess to need						-27,700		-27,700
07	0205671F								
	Joint Counter RCIED Electronic Warfare (177)		4,000						4,000
	FY 2020 OCO (Title IX)		4,000						4,000
07	0207131F								
	A-10 Squadrons (178)		36,816				-4,900		31,916
	FY 2020 Appropriated Base		36,816						36,816
	2 / Forward financed						-4,900		-4,900
07	0207133F								
	F-16 Squadrons (179)		193,013						193,013
	FY 2020 Appropriated Base		193,013						193,013
07	0207134F								
	F-15E Squadrons (180)		336,079				348,150		684,229
	FY 2020 Appropriated Base		336,079						336,079
	2 / Mobile user objective system unjustified growth						-16,250		-16,250
	Transfer of two test aircraft and non-recurring engineering from AP,AF line 3						364,400		364,400
07	0207136F								
	Manned Destructive Suppression (181)		15,521						15,521
	FY 2020 Appropriated Base		15,521						15,521
07	0207138F								
	F-22A Squadrons (182)		496,298				50,000		546,298
	FY 2020 Appropriated Base		496,298						496,298
	Air Force requested transfer from AP,AF line 28						50,000		50,000
07	0207142F								
	F-35 Squadrons (183)		99,943						99,943
	FY 2020 Appropriated Base		99,943						99,943
07	0207161F								
	Tactical AIM Missiles (184)		10,314						10,314
	FY 2020 Appropriated Base		10,314						10,314
07	0207163F								
	Advanced Medium Range Air-to-Air Missile (AMRAAM) (185)		55,384						55,384
	FY 2020 Appropriated Base		55,384						55,384

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0207227F	Combat Rescue - Pararescue (186)	281						281
		FY 2020 Appropriated Base	281						281
07	0207247F	AF TENCAP (187)	21,365						21,365
		FY 2020 Appropriated Base	21,365						21,365
07	0207249F	Precision Attack Systems Procurement (188)	10,696						10,696
		FY 2020 Appropriated Base	10,696						10,696
07	0207253F	Compass Call (189)	15,888				16,000		31,888
		FY 2020 Appropriated Base	15,888						15,888
1	/	Accelerate EC-37B baseline 4					16,000		16,000
07	0207268F	Aircraft Engine Component Improvement Program (190)	112,505						112,505
		FY 2020 Appropriated Base	112,505						112,505
07	0207325F	Joint Air-to-Surface Standoff Missile (JASSM) (191)	78,498						78,498
		FY 2020 Appropriated Base	78,498						78,498
07	0207410F	Air & Space Operations Center (AOC) (192)	114,864						114,864
		FY 2020 Appropriated Base	114,864						114,864
07	0207412F	Control and Reporting Center (CRC) (193)	8,109						8,109
		FY 2020 Appropriated Base	8,109						8,109
07	0207417F	Airborne Warning and Control System (AWACS) (194)	67,996						67,996
		FY 2020 Appropriated Base	67,996						67,996
07	0207418F	Tactical Airborne Control Systems (195)	2,462						2,462
		FY 2020 Appropriated Base	2,462						2,462
07	0207431F	Combat Air Intelligence System Activities (197)	13,668						13,668
		FY 2020 Appropriated Base	13,668						13,668
07	0207444F	Tactical Air Control Party-Mod (198)	6,217				-2,100		4,117
		FY 2020 Appropriated Base	6,217						6,217
2	/	Forward financed					-2,100		-2,100
07	0207452F	DCAPES (200)	19,910						19,910
		FY 2020 Appropriated Base	19,910						19,910
07	0207573F	National Technical Nuclear Forensics (201)	1,788						1,788
		FY 2020 Appropriated Base	1,788						1,788
07	0207590F	Seek Eagle (202)	28,237						28,237
		FY 2020 Appropriated Base	28,237						28,237
07	0207601F	USAF Modeling and Simulation (203)	15,725						15,725
		FY 2020 Appropriated Base	15,725						15,725
07	0207605F	Wargaming and Simulation Centers (204)	4,316						4,316
		FY 2020 Appropriated Base	4,316						4,316
07	0207610F	Battlefield Abn Comm Node (BACN) (205)	26,946						26,946
		FY 2020 Appropriated Base	26,946						26,946
07	0207697F	Distributed Training and Exercises (206)	4,303						4,303
		FY 2020 Appropriated Base	4,303						4,303
07	0208006F	Mission Planning Systems (207)	71,465						71,465
		FY 2020 Appropriated Base	71,465						71,465

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0208007F								
	Tactical Deception (208)		7,446						7,446
	FY 2020 Appropriated Base		7,446						7,446
07	0208064F								
	OPERATIONAL HQ - CYBER (209)		7,602						7,602
	FY 2020 Appropriated Base		7,602						7,602
07	0208087F								
	Distributed Cyber Warfare Operations (210)		35,178						35,178
	FY 2020 Appropriated Base		35,178						35,178
07	0208088F								
	AF Defensive Cyberspace Operations (211)		16,609				22,000		38,609
	FY 2020 Appropriated Base		16,609						16,609
	1 / Program increase - critical infrastructure cyber security						10,000		10,000
	1 / Program increase - cyber resilient space architecture						12,000		12,000
07	0208097F								
	Joint Cyber Command and Control (JCC2) (212)		11,603						11,603
	FY 2020 Appropriated Base		11,603						11,603
07	0208099F								
	Unified Platform (UP) (213)		84,702						84,702
	FY 2020 Appropriated Base		84,702						84,702
07	0208288F								
	Intel Data Applications (217)		1,200						1,200
	FY 2020 OCO (Title IX)		1,200						1,200
07	0301025F								
	GeoBase (219)		2,723						2,723
	FY 2020 Appropriated Base		2,723						2,723
07	0301112F								
	Nuclear Planning and Execution System (NPES) (220)		44,190						44,190
	FY 2020 Appropriated Base		44,190						44,190
07	0301401F								
	Air Force Space and Cyber Non-Traditional ISR for Battlespace Awareness (226)		3,575						3,575
	FY 2020 Appropriated Base		3,575						3,575
07	0302015F								
	E-4B National Airborne Operations Center (NAOC) (227)		70,173				-10,000		60,173
	FY 2020 Appropriated Base		70,173						70,173
	2 / Survivable SHF change in acquisition strategy						-10,000		-10,000
07	0303131F								
	Minimum Essential Emergency Communications Network (MEECN) (228)		13,543						13,543
	FY 2020 Appropriated Base		13,543						13,543
07	0303133F								
	High Frequency Radio Systems (229)		15,881						15,881
	FY 2020 Appropriated Base		15,881						15,881
07	0303140F								
	Information Systems Security Program (230)		27,726						27,726
	FY 2020 Appropriated Base		27,726						27,726
07	0303142F								
	Global Force Management - Data Initiative (232)		2,210						2,210
	FY 2020 Appropriated Base		2,210						2,210
07	0304115F								
	Multi Domain Command and Control (MDC2) (234)		150,880				-50,000		100,880
	FY 2020 Appropriated Base		150,880						150,880
	2 / Unjustified growth						-10,000		-10,000
	Air Force requested transfer to OM,AF SAG 12A						-40,000		-40,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07 0304260F		102,667				-17,510		85,157
		102,667						102,667
2 /						-17,510		-17,510
07 0304310F		3,431						3,431
		3,431						3,431
07 0305015F		9,313						9,313
		9,313						9,313
07 0305020F		1,121						1,121
		1,121						1,121
07 0305022F		19,000						19,000
		19,000						19,000
07 0305099F		4,544						4,544
		4,544						4,544
07 0305111F		25,461				10,000		35,461
		25,461						25,461
1 /						3,000		3,000
1 /						2,000		2,000
1 /						5,000		5,000
07 0305114F		5,651				3,000		8,651
		5,651						5,651
1 /						3,000		3,000
07 0305116F		7,448						7,448
		7,448						7,448
07 0305128F		425						425
		425						425
07 0305145F		54,546				-13,000		41,546
		54,546						54,546
2 /						-13,000		-13,000
07 0305146F		6,858						6,858
		6,858						6,858
07 0305179F		8,728						8,728
		8,728						8,728
07 0305202F		38,939				-2,550		36,389
		38,939						38,939
2 /						-2,550		-2,550
07 0305205F						15,000		15,000
1 /						15,000		15,000
07 0305206F		122,909				15,000		137,909
		122,909						122,909
1 /						15,000		15,000

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0305207F	Manned Reconnaissance Systems (256)	11,787						11,787
		FY 2020 Appropriated Base	11,787						11,787
07	0305208F	Distributed Common Ground/Surface Systems (257)	25,009						25,009
		FY 2020 Appropriated Base	25,009						25,009
07	0305220F	RQ-4 UAV (258)	191,733						191,733
		FY 2020 Appropriated Base	191,733						191,733
07	0305221F	Network-Centric Collaborative Targeting (259)	10,757						10,757
		FY 2020 Appropriated Base	10,757						10,757
07	0305238F	NATO AGS (260)	32,567						32,567
		FY 2020 Appropriated Base	32,567						32,567
07	0305240F	Support to DCGS Enterprise (261)	37,774						37,774
		FY 2020 Appropriated Base	37,774						37,774
07	0305600F	International Intelligence Technology and Architectures (262)	13,515						13,515
		FY 2020 Appropriated Base	13,515						13,515
07	0305881F	Rapid Cyber Acquisition (263)	4,383						4,383
		FY 2020 Appropriated Base	4,383						4,383
07	0305984F	Personnel Recovery Command & Ctrl (PRC2) (264)	2,133						2,133
		FY 2020 Appropriated Base	2,133						2,133
07	0307577F	Intelligence Mission Data (IMD) (265)	8,614						8,614
		FY 2020 Appropriated Base	8,614						8,614
07	0401115F	C-130 Airlift Squadron (266)	140,425				-39,000		101,425
		FY 2020 Appropriated Base	140,425						140,425
	2 /	Contract award savings					-39,000		-39,000
07	0401119F	C-5 Airlift Squadrons (IF) (267)	10,223						10,223
		FY 2020 Appropriated Base	10,223						10,223
07	0401130F	C-17 Aircraft (IF) (268)	25,101				-4,000		21,101
		FY 2020 Appropriated Base	25,101						25,101
	2 /	BLOS excess to need					-4,000		-4,000
07	0401132F	C-130J Program (269)	8,640						8,640
		FY 2020 Appropriated Base	8,640						8,640
07	0401134F	Large Aircraft IR Countermeasures (LAIRCM) (270)	5,424						5,424
		FY 2020 Appropriated Base	5,424						5,424
07	0401219F	KC-10s (272)	20						20
		FY 2020 Appropriated Base	20						20
07	0401318F	CV-22 (274)	17,906						17,906
		FY 2020 Appropriated Base	17,906						17,906
07	0408011F	Special Tactics / Combat Control (276)	3,629						3,629
		FY 2020 Appropriated Base	3,629						3,629
07	0702207F	Depot Maintenance (Non-IF) (277)	1,890						1,890
		FY 2020 Appropriated Base	1,890						1,890
07	0708055F	Maintenance, Repair & Overhaul System (278)	10,311						10,311
		FY 2020 Appropriated Base	10,311						10,311

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)

Fiscal Year Program:

2020

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	0708610F	Logistics Information Technology (LOGIT) (279)	16,065						16,065
		FY 2020 Appropriated Base	16,065						16,065
07	0708611F	Support Systems Development (280)	539						539
		FY 2020 Appropriated Base	539						539
07	0804743F	Other Flight Training (281)	2,057						2,057
		FY 2020 Appropriated Base	2,057						2,057
07	0808716F	Other Personnel Activities (282)	10						10
		FY 2020 Appropriated Base	10						10
07	0901202F	Joint Personnel Recovery Agency (283)	2,060						2,060
		FY 2020 Appropriated Base	2,060						2,060
07	0901218F	Civilian Compensation Program (284)	3,809						3,809
		FY 2020 Appropriated Base	3,809						3,809
07	0901220F	Personnel Administration (285)	6,476				-2,100		4,376
		FY 2020 Appropriated Base	6,476						6,476
	2 /	Forward financed					-2,100		-2,100
07	0901226F	Air Force Studies and Analysis Agency (286)	1,443						1,443
		FY 2020 Appropriated Base	1,443						1,443
07	0901538F	Financial Management Information Systems Development (287)	9,323						9,323
		FY 2020 Appropriated Base	9,323						9,323
07	0901554F	Defense Enterprise Acntng and Mgt Sys (DEAMS) (288)	46,789				-4,000		42,789
		FY 2020 Appropriated Base	46,789						46,789
	2 /	Increment 1 schedule delay					-4,000		-4,000
07	1201017F	Global Sensor Integrated on Network (GSIN) (289)	3,647						3,647
		FY 2020 Appropriated Base	3,647						3,647
07	1201921F	Service Support to STRATCOM - Space Activities (290)	988						988
		FY 2020 Appropriated Base	988						988
07	1202140F	Service Support to SPACECOM Activities (291)	11,863						11,863
		FY 2020 Appropriated Base	11,863						11,863
07	1203001F	Family of Advanced BLoS Terminals (FAB-T) (293)	197,388				-5,000		192,388
		FY 2020 Appropriated Base	197,388						197,388
	2 /	Underexecution					-5,000		-5,000
07	1203110F	Satellite Control Network (SPACE) (294)	61,891				-5,000		56,891
		FY 2020 Appropriated Base	61,891						61,891
	2 /	DCO-S unjustified growth					-5,000		-5,000
07	1203173F	Space and Missile Test and Evaluation Center (297)	4,566						4,566
		FY 2020 Appropriated Base	4,566						4,566
07	1203174F	Space Innovation, Integration and Rapid Technology Development (298)	43,292				-5,000		38,292
		FY 2020 Appropriated Base	43,292						43,292
	2 /	Underexecution					-5,000		-5,000



Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title:							Fiscal Year Program:		
Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)							2020		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
07	1203182F								
	Spacelift Range System (SPACE) (300)		10,837				10,000		20,837
	FY 2020 Appropriated Base		10,837						10,837
	1 / Program increase - space launch service and capability						10,000		10,000
07	1203265F								
	GPS III Space Segment (301)		42,440						42,440
	FY 2020 Appropriated Base		42,440						42,440
07	1203400F								
	Space Superiority Intelligence (302)		14,428						14,428
	FY 2020 Appropriated Base		14,428						14,428
07	1203614F								
	JSpOC Mission System (303)		72,762				3,000		75,762
	FY 2020 Appropriated Base		72,762						72,762
	1 / Program increase - commercial capability						5,000		5,000
	2 / Unobligated balances						-2,000		-2,000
07	1203620F								
	National Space Defense Center (304)		2,653						2,653
	FY 2020 Appropriated Base		2,653						2,653
07	1203873F								
	Ballistic Missile Defense Radars (306)		15,881						15,881
	FY 2020 Appropriated Base		15,881						15,881
07	1203913F								
	NUDET Detection System (SPACE) (308)		49,300						49,300
	FY 2020 Appropriated Base		49,300						49,300
07	1203940F								
	Space Situation Awareness Operations (309)		17,834						17,834
	FY 2020 Appropriated Base		17,834						17,834
07	1206423F								
	Global Positioning System III - Operational Control Segment (310)		445,302						445,302
	FY 2020 Appropriated Base		445,302						445,302
07	1206770F								
	Enterprise Ground Services (311)		138,870				-20,000		118,870
	FY 2020 Appropriated Base		138,870						138,870
	2 / Contract award delay						-20,000		-20,000
07	9999999999								
	Classified Programs (999)		18,430,219				-565,510		17,864,709
	FY 2020 Appropriated Base		18,029,506						18,029,506
	2 / Classified adjustment						-243,510		-243,510
	FY 2020 OCO (Title IX)		400,713						400,713
	Transfer to title IV						-322,000		-322,000
Subtotal Budget Activity 07: Operational Systems Development			24,935,401				-350,496		24,584,905
Grand Total Research, Development, Test, and Evaluation, Air Force , 2020/2021			46,066,370				-371,167		45,695,203

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Air Force , 2020/2021 (3600F)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		45,616,122				-49,167		45,566,955
APPROPRIATION, P.L. 116-93 (OCO)		450,248				-322,000		128,248
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>46,066,370</b>				<b>-371,167</b>		<b>45,695,203</b>

**Footnotes:**

- 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.
- 2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.
- 4 / This item reflects an adjustment to realign a congressionally modified item, "Program increase," BA 03, PE 0603211F, Aerospace Technology Dev/Demo; to BA 04, PE 0604858F, Tech Transition Program, for proper execution. The adjustment does not change the purpose for which the funds were appropriated.
- 5 / This item reflects an adjustment to realign a congressionally modified item, "Program increase," BA 07, PE 0604003F, Advanced Battle Management System (ABMS); to BA 04, PE 0604003F, Advanced Battle Management System (ABMS), for proper execution. The adjustment does not change the purpose for which the funds were appropriated.

For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.

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Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Civil Military Programs</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		<b>165,707</b>				<b>98,553</b>		<b>264,260</b>
<b>FY 2020 Appropriated Base</b>		<b>165,707</b>						<b>165,707</b>
1 / Program increase - Innovative Readiness Training Program						14,356		14,356
1 / Program increase - National Guard Youth Challenge						50,000		50,000
1 / Program increase - STARBASE						35,000		35,000
Across-The-Board Reduction - Budget Justification						-191		-191
Inconsistencies								
Across-The-Board Reduction - Unjustified Growth						-612		-612
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		<b>165,707</b>				<b>98,553</b>		<b>264,260</b>
<b>Subtotal Civil Military Programs</b>		<b>165,707</b>				<b>98,553</b>		<b>264,260</b>
<b>Classified Programs</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		<b>17,741,383</b>				<b>-99,394</b>		<b>17,641,989</b>
<b>FY 2020 Appropriated Base</b>		<b>15,736,098</b>						<b>15,736,098</b>
1 / Classified Adjustment						63,621		63,621
Transfer to OM,DW line 4GU9						-35,137		-35,137
Transfer to X-year for Classified Activities						-17,732		-17,732
<b>FY 2020 OCO (Title IX)</b>		<b>2,005,285</b>						<b>2,005,285</b>
2 / Classified adjustment						-29,646		-29,646
Transfer to title II						-80,500		-80,500
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		<b>17,741,383</b>				<b>-99,394</b>		<b>17,641,989</b>
<b>Subtotal Classified Programs</b>		<b>17,741,383</b>				<b>-99,394</b>		<b>17,641,989</b>
<b>Defense Acquisition University</b>								
<b>Budget Activity 03: Training and Recruiting</b>		<b>180,250</b>				<b>-874</b>		<b>179,376</b>
<b>FY 2020 Appropriated Base</b>		<b>180,250</b>						<b>180,250</b>
Across-The-Board Reduction - Budget Justification						-208		-208
Inconsistencies								
Across-The-Board Reduction - Unjustified Growth						-666		-666
<b>Subtotal Budget Activity 03: Training and Recruiting</b>		<b>180,250</b>				<b>-874</b>		<b>179,376</b>
<b>Subtotal Defense Acquisition University</b>		<b>180,250</b>				<b>-874</b>		<b>179,376</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Contract Audit Agency								
Budget Activity 04: Administration and Servicewide Activities		632,639				-3,383		629,256
FY 2020 Appropriated Base		630,829						630,829
2 / Excess FTEs						-300		-300
2 / Unjustified growth						-25		-25
Across-The-Board Reduction - Budget Justification Inconsistencies						-728		-728
Across-The-Board Reduction - Unjustified Growth						-2,330		-2,330
FY 2020 OCO (Title IX)		1,810						1,810
Subtotal Budget Activity 04: Administration and Servicewide Activities		632,639				-3,383		629,256
Subtotal Defense Contract Audit Agency		632,639				-3,383		629,256
Defense Contract Management Agency								
Budget Activity 04: Administration and Servicewide Activities		1,484,182				-27,088		1,457,094
FY 2020 Appropriated Base		1,462,459						1,462,459
2 / Program increases unaccounted for						-20,000		-20,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-1,688		-1,688
Across-The-Board Reduction - Unjustified Growth						-5,401		-5,401
FY 2020 OCO (Title IX)		21,723						21,723
Subtotal Budget Activity 04: Administration and Servicewide Activities		1,484,182				-27,088		1,457,094
Subtotal Defense Contract Management Agency		1,484,182				-27,088		1,457,094
Defense Counterintelligence and Security Agency								
Budget Activity 04: Administration and Servicewide Activities		898,884				1,144		900,028
FY 2020 Appropriated Base		898,884						898,884
1 / Program increase - access to criminal records for local law enforcement						2,500		2,500
1 / Program increase - defensive cyber and counterintelligence operations						3,000		3,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-1,037		-1,037
Across-The-Board Reduction - Unjustified Growth						-3,319		-3,319
Subtotal Budget Activity 04: Administration and Servicewide Activities		898,884				1,144		900,028
Subtotal Defense Counterintelligence and Security Agency		898,884				1,144		900,028

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Defense Human Resource Activities</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		892,438				58,174		950,612
<b>FY 2020 Appropriated Base</b>		892,438						892,438
1 / Demonstration project for contractors employing persons with disabilities						2,500		2,500
1 / Program increase - Beyond the Yellow Ribbon						20,000		20,000
1 / Program increase - Defense Language Training Centers						15,000		15,000
1 / Program increase- Special Victims' Counsel						35,000		35,000
2 / Unjustified growth						-10,000		-10,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-1,030		-1,030
Across-The-Board Reduction - Unjustified Growth						-3,296		-3,296
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		892,438				58,174		950,612
<b>Subtotal Defense Human Resource Activities</b>		892,438				58,174		950,612
<b>Defense Information Systems Agency</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		2,698,696				-16,256		2,682,440
<b>FY 2020 Appropriated Base</b>		2,614,108						2,614,108
2 / Unjustified growth						-38,722		-38,722
Across-The-Board Reduction - Budget Justification Inconsistencies						-3,017		-3,017
Across-The-Board Reduction - Unjustified Growth						-9,654		-9,654
Transfer from OM,DW line 999						35,137		35,137
<b>FY 2020 OCO (Title IX)</b>		84,588						84,588
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		2,698,696				-16,256		2,682,440
<b>Subtotal Defense Information Systems Agency</b>		2,698,696				-16,256		2,682,440
<b>Defense Legal Services Agency</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		230,756				-1,648		229,108
<b>FY 2020 Appropriated Base</b>		34,632						34,632
2 / Excess growth						-1,480		-1,480
Across-The-Board Reduction - Budget Justification Inconsistencies						-40		-40
Across-The-Board Reduction - Unjustified Growth						-128		-128
<b>FY 2020 OCO (Title IX)</b>		196,124						196,124
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		230,756				-1,648		229,108
<b>Subtotal Defense Legal Services Agency</b>		230,756				-1,648		229,108

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Logistics Agency								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		415,699				12,485		428,184
<b>FY 2020 Appropriated Base</b>		415,699						415,699
1 / Program increase - Procurement Technical Assistance Program						19,500		19,500
2 / Excess growth						-5,000		-5,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-480		-480
Across-The-Board Reduction - Unjustified Growth						-1,535		-1,535
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		415,699				12,485		428,184
<b>Subtotal Defense Logistics Agency</b>		415,699				12,485		428,184
Defense Media Activity								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		217,169				-1,010		216,159
<b>FY 2020 Appropriated Base</b>		202,792						202,792
Across-The-Board Reduction - Budget Justification Inconsistencies						-234		-234
Across-The-Board Reduction - Unjustified Growth						-749		-749
Section 8133 - Foreign Currency Fluctuation						-27		-27
<b>FY 2020 OCO (Title IX)</b>		14,377						14,377
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		217,169				-1,010		216,159
<b>Subtotal Defense Media Activity</b>		217,169				-1,010		216,159
Defense POW/MIA Accounting Agency								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		144,881				23,298		168,179
<b>FY 2020 Appropriated Base</b>		144,881						144,881
1 / Program increase - Identifying remains from WWII in EUCOM						5,000		5,000
1 / Program increase - Korean conflict						10,000		10,000
1 / Program increase - Missing in Action accounting program						9,000		9,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-167		-167
Across-The-Board Reduction - Unjustified Growth						-535		-535
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		144,881				23,298		168,179
<b>Subtotal Defense POW/MIA Accounting Agency</b>		144,881				23,298		168,179



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Security Cooperation Agency								
Budget Activity 04: Administration and Servicewide Activities		2,624,101				-706,081		1,918,020
FY 2020 Appropriated Base		696,884						696,884
1 / Program increase - regional centers						3,747		3,747
2 / Program adjustment - DSCA headquarters						-3,000		-3,000
2 / Program adjustment - Defense Institution Reform Initiative						-2,000		-2,000
2 / Program adjustment - Security Cooperation Account						-14,888		-14,888
2 / Program adjustment - Security Cooperation Account enterprise support costs						-27,560		-27,560
2 / Program adjustment - Southeast Asia Maritime Security Initiative						-10,110		-10,110
Across-The-Board Reduction - Budget Justification Inconsistencies						-804		-804
Across-The-Board Reduction - Unjustified Growth						-2,574		-2,574
Section 8133 - Foreign Currency Fluctuation						-85		-85
Transfer from Southeast Asia Maritime Security Initiative to Security Cooperation Account						-90,000		-90,000
Transfer to 2020/2021 for Security Cooperation Activities						-160,768		-160,768
Transfer to Security Cooperation Account from Southeast Asia Maritime Security Initiative						90,000		90,000
FY 2020 OCO (Title IX)		1,927,217						1,927,217
1 / Program increase -Baltics regional air defense system						50,000		50,000
2 / Program adjustment - Coalition Support Fund						-225,000		-225,000
2 / Program adjustment - George C. Marshall Center Outreach						-249		-249
2 / Program adjustment - Security Cooperation Account						-62,790		-62,790
Transfer to Counter-ISIS Train and Equip fund for border security						-250,000		-250,000
Subtotal Budget Activity 04: Administration and Servicewide Activities		2,624,101				-706,081		1,918,020
Subtotal Defense Security Cooperation Agency		2,624,101				-706,081		1,918,020

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Technical Information Center								
Budget Activity 04: Administration and Servicewide Activities		3,000				-1,015		1,985
FY 2020 Appropriated Base		3,000						3,000
2 / Insufficient justification						-1,000		-1,000
Across-The-Board Reduction - Budget Justification						-3		-3
Inconsistencies								
Across-The-Board Reduction - Unjustified Growth						-11		-11
Subtotal Budget Activity 04: Administration and Servicewide Activities		3,000				-1,015		1,985
Subtotal Defense Technical Information Center		3,000				-1,015		1,985
Defense Technology Security Administration								
Budget Activity 04: Administration and Servicewide Activities		35,626				-868		34,758
FY 2020 Appropriated Base		35,626						35,626
2 / Insufficient justification						-695		-695
Across-The-Board Reduction - Budget Justification						-41		-41
Inconsistencies								
Across-The-Board Reduction - Unjustified Growth						-132		-132
Subtotal Budget Activity 04: Administration and Servicewide Activities		35,626				-868		34,758
Subtotal Defense Technology Security Administration		35,626				-868		34,758
Defense Threat Reduction Agency								
Budget Activity 04: Administration and Servicewide Activities		899,030				-2,818		896,212
FY 2020 Appropriated Base		581,472						581,472
Across-The-Board Reduction - Budget Justification						-671		-671
Inconsistencies								
Across-The-Board Reduction - Unjustified Growth						-2,147		-2,147
FY 2020 OCO (Title IX)		317,558						317,558
Subtotal Budget Activity 04: Administration and Servicewide Activities		899,030				-2,818		896,212
Subtotal Defense Threat Reduction Agency		899,030				-2,818		896,212

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Department of Defense Education Activity</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		<b>2,963,846</b>				<b>-3,100</b>		<b>2,960,746</b>
<b>FY 2020 Appropriated Base</b>		<b>2,932,226</b>						<b>2,932,226</b>
1 / Program increase - Impact Aid						50,000		50,000
1 / Program increase - Impact Aid for children with disabilities						20,000		20,000
1 / Program increase - family advocacy program						5,000		5,000
2 / Remove one-time fiscal year 2019 increase						-60,000		-60,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-3,384		-3,384
Across-The-Board Reduction - Unjustified Growth						-10,828		-10,828
Section 8133 - Foreign Currency Fluctuation						-3,888		-3,888
<b>FY 2020 OCO (Title IX)</b>		<b>31,620</b>						<b>31,620</b>
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		<b>2,963,846</b>				<b>-3,100</b>		<b>2,960,746</b>
<b>Subtotal Department of Defense Education Activity</b>		<b>2,963,846</b>				<b>-3,100</b>		<b>2,960,746</b>
<b>Missile Defense Agency</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		<b>522,529</b>				<b>18,797</b>		<b>541,326</b>
<b>FY 2020 Appropriated Base</b>		<b>522,529</b>						<b>522,529</b>
1 / Program increase - cooling equipment unit refurbishment						15,000		15,000
1 / Program increase - cooling equipment unit refurbishment kits						3,000		3,000
1 / Program increase - electronic equipment unit modernization						16,000		16,000
2 / THAAD prior year underexecution						-12,670		-12,670
Across-The-Board Reduction - Budget Justification Inconsistencies						-603		-603
Across-The-Board Reduction - Unjustified Growth						-1,930		-1,930
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		<b>522,529</b>				<b>18,797</b>		<b>541,326</b>
<b>Subtotal Missile Defense Agency</b>		<b>522,529</b>				<b>18,797</b>		<b>541,326</b>
<b>Office of Economic Adjustment</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>		<b>59,513</b>				<b>75,112</b>		<b>134,625</b>
<b>FY 2020 Appropriated Base</b>		<b>59,513</b>						<b>59,513</b>
1 / Program increase - Defense Community Infrastructure Program						50,000		50,000
1 / Program increase - Defense Manufacturing Communities						25,000		25,000
1 / Program increase - civilian growth						400		400
Across-The-Board Reduction - Budget Justification Inconsistencies						-69		-69
Across-The-Board Reduction - Unjustified Growth						-220		-220
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>		<b>59,513</b>				<b>75,112</b>		<b>134,625</b>
<b>Subtotal Office of Economic Adjustment</b>		<b>59,513</b>				<b>75,112</b>		<b>134,625</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Office of the Secretary of Defense								
Budget Activity 04: Administration and Servicewide Activities		1,670,187				86,086		1,756,273
FY 2020 Appropriated Base		1,653,521						1,653,521
1 / Atomic Veteran's Service Medal						250		250
1 / Broadband Access						5,000		5,000
1 / National Security/Climate Change						500		500
1 / Program Increase - Public Law 115-68 Implementation						1,600		1,600
1 / Program increase - CDC water contamination study and assessment						10,000		10,000
1 / Program increase - Cyber Institutes						5,000		5,000
1 / Program increase - Cyber Scholarships and Institutes						10,000		10,000
1 / Program increase - Information Assurance Scholarship Program						10,000		10,000
1 / Program increase - Interstate compacts for licensure and credentialing						2,750		2,750
1 / Program increase - National Commission on Military Aviation Safety						3,000		3,000
1 / Program increase - Readiness Environmental Protection Initiative						25,000		25,000
1 / Program increase - Resilience Planning						3,000		3,000
1 / Program increase - WWII Commemorative program						5,000		5,000
1 / Section 8048 for USO / Red Cross						44,000		44,000
1 / Sexual Trauma Treatment Pilot Program						3,000		3,000
1 / Space Available Flights						1,000		1,000
1 / Vietnam Dioxin Remediation						15,000		15,000
2 / Excess growth						-50,000		-50,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-1,908		-1,908
Across-The-Board Reduction - Unjustified Growth						-6,106		-6,106
FY 2020 OCO (Title IX)		16,666						16,666
Subtotal Budget Activity 04: Administration and Servicewide Activities		1,670,187				86,086		1,756,273
Subtotal Office of the Secretary of Defense		1,670,187				86,086		1,756,273
Space Development Agency								
Budget Activity 04: Administration and Servicewide Activities		44,750				-14,407		30,343
FY 2020 Appropriated Base		44,750						44,750
2 / Insufficient justification						-14,190		-14,190
Across-The-Board Reduction - Budget Justification						-52		-52
Across-The-Board Reduction - Unjustified Growth						-165		-165
Subtotal Budget Activity 04: Administration and Servicewide Activities		44,750				-14,407		30,343
Subtotal Space Development Agency		44,750				-14,407		30,343

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Special Operations Command								
Budget Activity 01: Operating Forces		9,815,959				-154,260		9,661,699
FY 2020 Appropriated Base		6,019,146						6,019,146
1 / Gender Advisors						2,500		2,500
1 / Military Service Dogs						200		200
1 / Program increase - Identity Management						20,300		20,300
1 / Program increase - document and media exploitation						5,000		5,000
2 / Base support - underexecution						-5,900		-5,900
2 / Base support pricing adjustment						-675		-675
2 / Classified adjustment						-12,967		-12,967
2 / Excess to need - TSOC EA&A						-3,000		-3,000
2 / Excess to need - USAJFKSWCS ASOT						-4,000		-4,000
2 / One-time base support decreases not properly accounted for						-7,715		-7,715
2 / Overestimation of contractor FTE						-2,200		-2,200
2 / Overestimation of flying hours						-20,900		-20,900
2 / Remove one-time fiscal year 2019 increase						-14,944		-14,944
2 / Repricing civilian personnel realignments						-3,062		-3,062
2 / Underexecution						-6,200		-6,200
2 / Unjustified growth						-2,523		-2,523
2 / Unjustified CLS growth						-1,096		-1,096
2 / Unjustified growth						-4,215		-4,215
2 / Unjustified program baseline						-11,455		-11,455
Across-The-Board Reduction - Budget Justification Inconsistencies						-6,946		-6,946
Across-The-Board Reduction - Unjustified Growth						-22,228		-22,228
SOCOM Requested Transfer to DHP						-5,000		-5,000
FY 2020 OCO (Title IX)		3,796,813						3,796,813
2 / Classified adjustment						-31,298		-31,298
2 / Program transition unaccounted for						-15,000		-15,000
2 / Unjustified growth						-936		-936
Subtotal Budget Activity 01: Operating Forces		9,815,959				-154,260		9,661,699
Budget Activity 03: Training and Recruiting		33,967				-165		33,802
FY 2020 Appropriated Base		33,967						33,967
Across-The-Board Reduction - Budget Justification Inconsistencies						-39		-39
Across-The-Board Reduction - Unjustified Growth						-126		-126
Subtotal Budget Activity 03: Training and Recruiting		33,967				-165		33,802
Subtotal Special Operations Command		9,849,926				-154,425		9,695,501

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
The Joint Staff								
Budget Activity 01: Operating Forces		1,041,819				-21,411		1,020,408
FY 2020 Appropriated Base		1,013,319						1,013,319
1 / Gender Advisors						500		500
2 / Program increase unaccounted for						-12,000		-12,000
2 / Remove one-time fiscal year 2019 costs						-5,000		-5,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-1,169		-1,169
Across-The-Board Reduction - Unjustified Growth						-3,742		-3,742
FY 2020 OCO (Title IX)		28,500						28,500
Subtotal Budget Activity 01: Operating Forces		1,041,819				-21,411		1,020,408
Budget Activity 03: Training and Recruiting		100,610				-488		100,122
FY 2020 Appropriated Base		100,610						100,610
Across-The-Board Reduction - Budget Justification Inconsistencies						-116		-116
Across-The-Board Reduction - Unjustified Growth						-372		-372
Subtotal Budget Activity 03: Training and Recruiting		100,610				-488		100,122
Subtotal The Joint Staff		1,142,429				-21,899		1,120,530
Washington Headquarters Services								
Budget Activity 04: Administration and Servicewide Activities		330,332				-11,570		318,762
FY 2020 Appropriated Base		324,001						324,001
2 / Insufficient justification						-10,000		-10,000
Across-The-Board Reduction - Budget Justification Inconsistencies						-374		-374
Across-The-Board Reduction - Unjustified Growth						-1,197		-1,197
FY 2020 OCO (Title IX)		6,331						6,331
Subtotal Budget Activity 04: Administration and Servicewide Activities		330,332				-11,570		318,762
Subtotal Washington Headquarters Services		330,332				-11,570		318,762
Defense-Wide (General Provisions)								
Budget Activity 04: Administration and Servicewide Activities						250,000		250,000
FY 2020 OCO (Title IX)								
1 / Transfer to Operation and Maintenance, Military Personnel, and Procurement accounts to improve intelligence, surveillance, and reconnaissance capabilities pursuant to Section 9018.						250,000		250,000
Grand Total Operation and Maintenance, Defense-Wide , 2020/2020		45,847,953				-442,187		45,405,766

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2020 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Financing								
APPROPRIATION, P.L. 116-93 (Base)		37,399,341				-42,768		37,356,573
APPROPRIATION, P.L. 116-93 (OCO)		8,448,612				-395,419		8,053,193
Foreign Currency Fluctuation (Section 8133)						-4,000		
Subtotal General Provision Reductions								-4,000
Subtotal General Provisions								-4,000
TOTAL FINANCING - FY 2020 PROGRAM		45,847,953				-442,187		45,405,766
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Operation and Maintenance, Defense-Wide , 2020/2021 (0100D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Security Cooperation Agency								
Budget Activity 04: Administration and Servicewide Activities						160,768		160,768
FY 2020 Appropriated Base  Transfer from Operation and Maintenance, Defense-Wide, Defense Security Cooperation Agency, 2020/2020, to Operation and Maintenance, Defense-Wide, Defense Security Cooperation Agency, 2020/2021, for Security Cooperation Programs.						160,768		160,768
Subtotal Budget Activity 04: Administration and Servicewide Activities						160,768		160,768
Subtotal Defense Security Cooperation Agency						160,768		160,768
Grand Total Operation and Maintenance, Defense-Wide , 2020/2021						160,768		160,768
Financing  APPROPRIATION, P.L. 116-93 (Base)						160,768		160,768
TOTAL FINANCING - FY 2020 PROGRAM						160,768		160,768



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operation and Maintenance, Defense-Wide, 2020/XXXX (0100DX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Classified Programs</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>						17,732		17,732
<b>FY 2020 Appropriated Base</b> Transfer from Operation and Maintenance Defense-Wide Classified Programs, 2020/2020 to Operations and Maintenance Defense-Wide, Classified Programs, 2020/XXXX for classified activities.						17,732		17,732
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>						17,732		17,732
<b>Subtotal Classified Programs</b>						17,732		17,732
<b>Office of Economic Adjustment</b>								
<b>Budget Activity 04: Administration and Servicewide Activities</b>						315,000		315,000
<b>FY 2020 Appropriated Base</b> Public Schools on Military Installations Sec. 8121						315,000		315,000
<b>Subtotal Budget Activity 04: Administration and Servicewide Activities</b>						315,000		315,000
<b>Subtotal Office of Economic Adjustment</b>						315,000		315,000
<b>Grand Total Operation and Maintenance, Defense-Wide, 2020/XXXX</b>						332,732		332,732
<b>Financing</b> APPROPRIATION, P.L. 116-93 (Base)						332,732		332,732
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>						332,732		332,732

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Office of the Inspector General, 2020/2020 (0107D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operation and Maintenance</b>		<b>384,455</b>						<b>384,455</b>
FY 2020 Appropriated Base		360,201						360,201
FY 2020 OCO (Title IX)		24,254						24,254
<b>Subtotal Budget Activity 01: Operation and Maintenance</b>		<b>384,455</b>						<b>384,455</b>
<b>Grand Total Office of the Inspector General, 2020/2020</b>		<b>384,455</b>						<b>384,455</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		360,201						360,201
APPROPRIATION, P.L. 116-93 (OCO)		24,254						24,254
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>384,455</b>						<b>384,455</b>
Footnotes:								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Office of the Inspector General, 2020/2021 (0107D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 02: RDT&E		2,965						2,965
FY 2020 Appropriated Base		2,965						2,965
Subtotal Budget Activity 02: RDT&E		2,965						2,965
Grand Total Office of the Inspector General, 2020/2021		2,965						2,965
<i>Financing</i>  APPROPRIATION, P.L. 116-93 (Base)		2,965						2,965
TOTAL FINANCING - FY 2020 PROGRAM		2,965						2,965
Footnotes:								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Office of the Inspector General, 2020/2022 (0107D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 03: Procurement		333						333
FY 2020 Appropriated Base		333						333
Subtotal Budget Activity 03: Procurement		333						333
Grand Total Office of the Inspector General, 2020/2022		333						333
<i>Financing</i>  APPROPRIATION, P.L. 116-93 (Base)		333						333
TOTAL FINANCING - FY 2020 PROGRAM		333						333
Footnotes:								

Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title:						Fiscal Year Program:			
United States Court of Appeals for the Armed Forces, 2020/2020 (0104D)						2020			
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 04: Administration And Associated Activities			14,771						14,771
FY 2020 Appropriated Base			14,771						14,771
Subtotal Budget Activity 04: Administration And Associated Activities			14,771						14,771
Grand Total United States Court of Appeals for the Armed Forces, 2020/2020			14,771						14,771
Financing									
APPROPRIATION, P.L. 116-93 (Base)			14,771						14,771
TOTAL FINANCING - FY 2020 PROGRAM			14,771						14,771

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Drug Interdiction and Counter-Drug Activities, Defense, 2020/2020 (0105D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Counter-Narcotics Support</b>		<b>745,335</b>				<b>-70,064</b>		<b>675,271</b>
<b>FY 2020 Appropriated Base</b>		<b>581,739</b>						<b>581,739</b>
1 / Program increase - National Commission on Combatting Synthetic Opioid Trafficking						5,000		5,000
2 / Program decrease						-343		-343
Transfer to National Guard Counter-Drug Program						-64,225		-64,225
<b>FY 2020 OCO (Title IX)</b>		<b>163,596</b>						<b>163,596</b>
Program decrease.						-10,496		-10,496
<b>Subtotal Budget Activity 01: Counter-Narcotics Support</b>		<b>745,335</b>				<b>-70,064</b>		<b>675,271</b>
<b>Budget Activity 02: Drug Demand Reduction Program</b>		<b>120,922</b>				<b>4,000</b>		<b>124,922</b>
<b>FY 2020 Appropriated Base</b>		<b>120,922</b>						<b>120,922</b>
1 / Program increase - Young Marines Drug Demand Reduction						4,000		4,000
<b>Subtotal Budget Activity 02: Drug Demand Reduction Program</b>		<b>120,922</b>				<b>4,000</b>		<b>124,922</b>
<b>Budget Activity 03: National Guard Counter-Drug Program</b>		<b>91,370</b>				<b>129,225</b>		<b>220,595</b>
<b>FY 2020 Appropriated Base</b>		<b>91,370</b>						<b>91,370</b>
1 / Program increase						65,000		65,000
Transfer from Counter-narcotics support						64,225		64,225
<b>Subtotal Budget Activity 03: National Guard Counter-Drug Program</b>		<b>91,370</b>				<b>129,225</b>		<b>220,595</b>
<b>Budget Activity 04: National Guard Counter-Drug Schools</b>		<b>5,371</b>				<b>20,000</b>		<b>25,371</b>
<b>FY 2020 Appropriated Base</b>		<b>5,371</b>						<b>5,371</b>
1 / Program increase						20,000		20,000
<b>Subtotal Budget Activity 04: National Guard Counter-Drug Schools</b>		<b>5,371</b>				<b>20,000</b>		<b>25,371</b>
<b>Grand Total Drug Interdiction and Counter-Drug Activities, Defense, 2020/2020</b>		<b>962,998</b>				<b>83,161</b>		<b>1,046,159</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		799,402				93,657		893,059
APPROPRIATION, P.L. 116-93 (OCO)		163,596				-10,496		153,100
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>962,998</b>				<b>83,161</b>		<b>1,046,159</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Defense Health Program, 2020/2020 (0130D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operation and Maintenance</b>		<b>32,159,836</b>				<b>-493,984</b>		<b>31,665,852</b>
<b>FY 2020 Appropriated Base</b>		<b>31,812,090</b>						<b>31,812,090</b>
1 / Program increase - specialized medical pilot program						2,500		2,500
1 / Program increase - therapeutic service dog training program						11,000		11,000
2 / Aeromedical Evacuation System excess growth						-7,100		-7,100
2 / DHMSM excess growth						-21,000		-21,000
2 / Equipment purchases excess growth						-41,900		-41,900
Historical underexecution						-81,650		-81,650
2 / Insufficient justification						-7,000		-7,000
2 / JOMIS excess growth						-3,400		-3,400
2 / Medical reform implementation						-52,175		-52,175
2 / Medical reform implementation - excess funding to replace military medical end strength						-250,000		-250,000
Other costs excess growth						-5,000		-5,000
2 / Pharmaceuticals excess growth						-10,000		-10,000
2 / Printing and reproduction excess growth						-5,200		-5,200
2 / Supplies and materials excess growth						-6,700		-6,700
2 / TMIP-J excess growth						-17,800		-17,800
Favorable Exchange Rates						-3,559		-3,559
Transfer from OM.DW line 1PLR						5,000		5,000
<b>FY 2020 OCO (Title IX)</b>		<b>347,746</b>						<b>347,746</b>
<b>Grand Total Defense Health Program, 2020/2020</b>		<b>32,159,836</b>				<b>-493,984</b>		<b>31,665,852</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		31,812,090				-490,425		31,321,665
APPROPRIATION, P.L. 116-93 (OCO)		347,746						347,746
Favorable Exchange Rates						-3,559		
<b>Subtotal General Provision Reductions</b>								<b>-3,559</b>
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>32,159,836</b>				<b>-493,984</b>		<b>31,665,852</b>
<b>Footnotes:</b>								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Defense Health Program, 2020/2021 (0130D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Research, Development, Test, and Evaluaiton</b>		<b>732,273</b>				<b>1,573,822</b>		<b>2,306,095</b>
<b>FY 2020 Appropriated Base</b>		<b>732,273</b>						<b>732,273</b>
1 / Chronic pain management						15,000		15,000
1 / Combat readiness medical research						10,000		10,000
1 / Global HIV/AIDS prevention						8,000		8,000
1 / HIV/AIDS program increase						15,000		15,000
1 / Joint warfighter medical research						40,000		40,000
1 / Orthotics and prosthetics outcome research						15,000		15,000
1 / Peer-reviewed ALS research						20,000		20,000
1 / Peer-reviewed Duchenne muscular dystrophy research						10,000		10,000
1 / Peer-reviewed alzheimer research						15,000		15,000
1 / Peer-reviewed autism research						15,000		15,000
1 / Peer-reviewed bone marrow failure disease research						3,000		3,000
1 / Peer-reviewed breast cancer research						150,000		150,000
1 / Peer-reviewed cancer research						110,000		110,000
1 / Peer-reviewed epilepsy research						12,000		12,000
1 / Peer-reviewed gulf war illness research						22,000		22,000
1 / Peer-reviewed hearing restoration research						10,000		10,000
1 / Peer-reviewed kidney cancer research						40,000		40,000
1 / Peer-reviewed lung cancer research						14,000		14,000
1 / Peer-reviewed lupus research						10,000		10,000
1 / Peer-reviewed medical research						360,000		360,000
1 / Peer-reviewed melanoma research						20,000		20,000
1 / Peer-reviewed multiple sclerosis research						16,000		16,000
1 / Peer-reviewed orthopedic research						30,000		30,000
1 / Peer-reviewed ovarian cancer research						35,000		35,000
1 / Peer-reviewed pancreatic cancer research						6,000		6,000
1 / Peer-reviewed prostate cancer research						110,000		110,000
1 / Peer-reviewed rare cancers research						7,500		7,500
1 / Peer-reviewed reconstructive transplant research						12,000		12,000
1 / Peer-reviewed scleroderma research						5,000		5,000
1 / Peer-reviewed spinal cord research						40,000		40,000
1 / Peer-reviewed tickborne disease research						7,000		7,000
1 / Peer-reviewed traumatic brain injury and psychological health research						165,000		165,000
1 / Peer-reviewed tuberous sclerosis complex research						6,000		6,000
1 / Peer-reviewed vision research						20,000		20,000
1 / Restore core funding reduction						232,100		232,100
1 / Trauma clinical research program						10,000		10,000
2 / DHMSM prior year carryover						-23,778		-23,778
2 / JOMIS excess growth						-18,000		-18,000
<b>Grand Total Defense Health Program, 2020/2021</b>		<b>732,273</b>				<b>1,573,822</b>		<b>2,306,095</b>



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Defense Health Program, 2020/2021 (0130D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		732,273				1,573,822		2,306,095
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>732,273</b>				<b>1,573,822</b>		<b>2,306,095</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Defense Health Program, 2020/2022 (0130D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Procurement</b>		<b>454,324</b>				<b>-7,965</b>		<b>446,359</b>
<b>FY 2020 Appropriated Base</b>		<b>454,324</b>						<b>454,324</b>
2 / JOMIS ahead of need						-314		-314
2 / New facility outfitting excess due to military construction delays						-7,651		-7,651
<b>Grand Total Defense Health Program, 2020/2022</b>		<b>454,324</b>				<b>-7,965</b>		<b>446,359</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		454,324				-7,965		446,359
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>454,324</b>				<b>-7,965</b>		<b>446,359</b>
<b>Footnotes:</b>  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Defense Health Program, 2020/XXXX (0130DX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 01: Operation and Maintenance</b>						<b>10,000</b>		<b>10,000</b>
<b>FY 2020 Appropriated Base</b>								
1 / Fisher House (Section 8068)						10,000		10,000
<b>Grand Total Defense Health Program, 2020/XXXX</b>						<b>10,000</b>		<b>10,000</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)						10,000		10,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>						<b>10,000</b>		<b>10,000</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Environmental Restoration Accounts, Defense, 2020/XXXX (0810DX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Wide								
Budget Activity 04: Defense-Wide		9,105				9,897		19,002
FY 2020 Appropriated Base		9,105						9,105
1 / Program increase						9,897		9,897
Subtotal Budget Activity 04: Defense-Wide		9,105				9,897		19,002
Subtotal Defense Wide		9,105				9,897		19,002
Grand Total Environmental Restoration Accounts, Defense, 2020/XXXX		9,105				9,897		19,002
<i>Financing</i>								
APPROPRIATION, P.L. 116-93 (Base)		9,105				9,897		19,002
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>9,105</b>				<b>9,897</b>		<b>19,002</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Environmental Restoration, Formerly Used Defense Sites , 2020/XXXX (0811DX)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Wide								
Budget Activity 05: Defense-Wide		216,499				58,501		275,000
FY 2020 Appropriated Base		216,499						216,499
1 / Program increase						58,501		58,501
Subtotal Budget Activity 05: Defense-Wide		216,499				58,501		275,000
Subtotal Defense Wide		216,499				58,501		275,000
Grand Total Environmental Restoration, Formerly Used Defense Sites , 2020/XXXX		216,499				58,501		275,000
<i>Financing</i>								
APPROPRIATION, P.L. 116-93 (Base)		216,499				58,501		275,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>216,499</b>				<b>58,501</b>		<b>275,000</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Overseas Humanitarian, Disaster, and Civic Aid, Defense, 2020/2021 (0819D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Security Cooperation Agency								
Budget Activity 01: Humanitarian Assistance		108,600				26,400		135,000
FY 2020 Appropriated Base		108,600						108,600
1 / Foreign Disaster Relief - Program increase						13,723		13,723
1 / Humanitarian Assistance - Program increase						10,436		10,436
1 / Humanitarian Mine Action Program - Program increase						2,241		2,241
Subtotal Budget Activity 01: Humanitarian Assistance		108,600				26,400		135,000
Subtotal Defense Security Cooperation Agency		108,600				26,400		135,000
Grand Total Overseas Humanitarian, Disaster, and Civic Aid, Defense, 2020/2021		108,600				26,400		135,000
<i>Financing</i>								
APPROPRIATION, P.L. 116-93 (Base)		108,600				26,400		135,000
TOTAL FINANCING - FY 2020 PROGRAM		108,600				26,400		135,000
Footnotes:  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional Congressional prior approval is required before decreasing funds on this program.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Cooperative Threat Reduction Account, 2020/2022 (0134D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Cooperative Threat Reduction Account</b>		<b>338,700</b>				<b>35,000</b>		<b>373,700</b>
<b>FY 2020 Appropriated Base</b>		<b>338,700</b>						<b>338,700</b>
1 / Program increase - Biological Threat Reduction program						20,000		20,000
1 / Program increase - Global Nuclear Security						15,000		15,000
<b>Grand Total Cooperative Threat Reduction Account, 2020/2022</b>		<b>338,700</b>				<b>35,000</b>		<b>373,700</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		338,700				35,000		373,700
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>338,700</b>				<b>35,000</b>		<b>373,700</b>
<b>Footnotes:</b> 1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
DoD Acquisition Workforce Development Account, 2020/2021 (0111D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
DoD Acquisition Workforce Development Account		400,000						400,000
<b>FY 2020 Appropriated Base</b>		400,000						400,000
Execution delays - transfer to Department of Defense Acquisition Workforce Initiatives						-43,416		-43,416
Planned carryover - transfer to Department of Defense Acquisition Workforce Initiatives						-52,584		-52,584
Program increase - Department of Defense Acquisition Workforce Initiative Critical acquisition workforce skills hiring initiative						21,400		21,400
Program increase - Department of Defense Acquisition Workforce Initiative DAU transformation						48,000		48,000
Program increase - Department of Defense Acquisition Workforce Initiative SMART Corps for civilian acquisition specialists						26,600		26,600
<b>Grand Total DoD Acquisition Workforce Development Fund, 2020/2021</b>		400,000						400,000
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		400,000						400,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		400,000						400,000



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Chemical and Biological Defense Program</b>								
<b>Budget Activity 03: Chemical/Biological Defense</b>								
<b>03 Chemical Biological Situational Awareness</b>		<b>162,406</b>				<b>-2,118</b>		<b>160,288</b>
<b>FY 2020 Appropriated Base</b>		<b>162,406</b>						<b>162,406</b>
1 / Program increase - CBRN dismounted reconnaissance system						5,000		5,000
2 / EMBD maintain level of effort						-1,500		-1,500
2 / MPMRDS						-1,623		-1,623
2 / JCAD						-2,247		-2,247
2 / CSIRP Acquisition strategy						-1,748		-1,748
<b>03 CB Protection &amp; Hazard Mitigation</b>		<b>188,188</b>				<b>-6,270</b>		<b>181,918</b>
<b>FY 2020 Appropriated Base</b>		<b>188,188</b>						<b>188,188</b>
1 / Program increase - detection and protective equipment						5,000		5,000
1 / Program increase - CB protective shelter						5,000		5,000
1 / Program increase - joint service lightweight integrated suit technology						2,000		2,000
2 / JSAM RW schedule slips						-12,570		-12,570
2 / AAS schedule slips						-2,200		-2,200
2 / VAC BOT schedule slips						-3,000		-3,000
2 / VAC PLG schedule slips						-500		-500
<b>Subtotal Budget Activity 03: Chemical/Biological Defense</b>		<b>350,594</b>				<b>-8,388</b>		<b>342,206</b>
<b>Subtotal Chemical and Biological Defense Program</b>		<b>350,594</b>				<b>-8,388</b>		<b>342,206</b>
<b>Classified Programs</b>								
<b>Budget Activity 01: Major Equipment</b>								
<b>01 Classified Programs</b>		<b>640,746</b>				<b>-17,345</b>		<b>623,401</b>
<b>FY 2020 Appropriated Base</b>		<b>584,366</b>						<b>584,366</b>
2 / Classified adjustment						-14,550		-14,550
Transfer from title IX						5,000		5,000
LF. Add the \$133K from ISSP unclassified line to the classified line for 0300D limit 8500.						133		133
<b>FY 2020 OCO (Title IX)</b>		<b>56,380</b>						<b>56,380</b>
2 / Program decrease						-2,928		-2,928
Transfer to title III						-5,000		-5,000
<b>Subtotal Budget Activity 01: Major Equipment</b>		<b>640,746</b>				<b>-17,345</b>		<b>623,401</b>
<b>Subtotal Classified Programs</b>		<b>640,746</b>				<b>-17,345</b>		<b>623,401</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Contract Management Agency								
Budget Activity 01: Major Equipment								
01 Major Equipment		2,432						2,432
FY 2020 Appropriated Base		2,432						2,432
Subtotal Budget Activity 01: Major Equipment		2,432						2,432
Subtotal Defense Contract Management Agency		2,432						2,432
Defense Counterintelligence and Security Agency								
Budget Activity 01: Major Equipment								
01 Major Equipment		496				5,207		5,703
FY 2020 Appropriated Base		496						496
1 / Program increase - cyber threat detection capabilities						5,207		5,207
Subtotal Budget Activity 01: Major Equipment		496				5,207		5,703
Subtotal Defense Counterintelligence and Security Agency		496				5,207		5,703
Defense Human Resource Activities								
Budget Activity 01: Major Equipment								
01 Personnel Administration		5,030						5,030
FY 2020 Appropriated Base		5,030						5,030
Subtotal Budget Activity 01: Major Equipment		5,030						5,030
Subtotal Defense Human Resource Activities		5,030						5,030

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

Procurement, Defense-Wide, 2020/2022 (0300D)

Fiscal Year Program:

2020

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Information Systems Agency								
Budget Activity 01: Major Equipment								
01 Information Systems Security		3,318				1,400		4,718
FY 2020 Appropriated Base		3,318						3,318
Sharkseer - transfer from line 44						1,400		1,400
01 Teleport Program		28,903						28,903
FY 2020 Appropriated Base		25,103						25,103
FY 2020 OCO (Title IX)		3,800						3,800
01 Items Less Than \$5 Million		26,416						26,416
FY 2020 Appropriated Base		26,416						26,416
01 Defense Information System Network		29,574						29,574
FY 2020 Appropriated Base		17,574						17,574
FY 2020 OCO (Title IX)		12,000						12,000
01 White House Communication Agency		45,079						45,079
FY 2020 Appropriated Base		45,079						45,079
01 Senior Leadership Enterprise		78,669						78,669
FY 2020 Appropriated Base		78,669						78,669
01 Joint Regional Security Stacks (JRSS)		88,000						88,000
FY 2020 Appropriated Base		88,000						88,000
01 Joint Service Provider		107,907						107,907
FY 2020 Appropriated Base		107,907						107,907
Subtotal Budget Activity 01: Major Equipment		407,866				1,400		409,266
Subtotal Defense Information Systems Agency		407,866				1,400		409,266
Defense Logistics Agency								
Budget Activity 01: Major Equipment								
01 Major Equipment		8,122				-2,130		5,992
FY 2020 Appropriated Base		8,122						8,122
2 / Logistics support excess growth						-2,130		-2,130
Subtotal Budget Activity 01: Major Equipment		8,122				-2,130		5,992
Subtotal Defense Logistics Agency		8,122				-2,130		5,992
Defense Media Activity								
Budget Activity 01: Major Equipment								
01 Major Equipment		10,961						10,961
FY 2020 Appropriated Base		10,961						10,961
Subtotal Budget Activity 01: Major Equipment		10,961						10,961
Subtotal Defense Media Activity		10,961						10,961

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense POW/MIA Accounting Agency								
Budget Activity 01: Major Equipment								
01 Major Equipment, DPAA	32	1,504				-376	32	1,128
FY 2020 Appropriated Base	32	1,504					32	1,504
2 / Program reduction						-376		-376
Subtotal Budget Activity 01: Major Equipment		1,504				-376		1,128
Subtotal Defense POW/MIA Accounting Agency		1,504				-376		1,128
Defense Threat Reduction Agency								
Budget Activity 01: Major Equipment								
01 Vehicles		211						211
FY 2020 Appropriated Base		211						211
01 Other Major Equipment		11,521						11,521
FY 2020 Appropriated Base		11,521						11,521
01 Counter IED & Improvised Threat Technologies		4,590						4,590
FY 2020 OCO (Title IX)		4,590						4,590
Subtotal Budget Activity 01: Major Equipment		16,322						16,322
Subtotal Defense Threat Reduction Agency		16,322						16,322
Department of Defense Education Activity								
Budget Activity 01: Major Equipment								
01 Automation/Educational Support & Logistics		1,320						1,320
FY 2020 Appropriated Base		1,320						1,320
Subtotal Budget Activity 01: Major Equipment		1,320						1,320
Subtotal Department of Defense Education Activity		1,320						1,320

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Missile Defense Agency</b>								
<b>Budget Activity 01: Major Equipment</b>								
<b>01 THAAD</b>	<b>37</b>	<b>425,863</b>				<b>-18,660</b>	<b>37</b>	<b>407,203</b>
<b>FY 2020 Appropriated Base</b>	<b>37</b>	<b>425,863</b>					<b>37</b>	<b>425,863</b>
2 / Unit cost savings						-18,660		-18,660
<b>01 Ground Based Midcourse</b>		<b>9,471</b>				<b>276,000</b>		<b>285,471</b>
<b>FY 2020 Appropriated Base</b>		<b>9,471</b>						<b>9,471</b>
2 / RKV program termination early to need						-9,000		-9,000
RKV realignment - additional boosters to maintain deployed GBIs						150,000		150,000
RKV realignment - 22 Missile Field Launch Support Systems for Missile Fields 1 and 4						45,000		45,000
RKV realignment - additional 44 Missile Field Launch Support Systems replacement						90,000		90,000
<b>01 Aegis BMD</b>	<b>37</b>	<b>600,773</b>				<b>-264,399</b>	<b>37</b>	<b>336,374</b>
<b>FY 2020 Appropriated Base</b>	<b>37</b>	<b>600,773</b>					<b>37</b>	<b>600,773</b>
2 / SM-3 Block 1B multiyear unit cost savings						-26,399		-26,399
Transfer to AEGIS BMD SM-3 Block IIA						-238,000		-238,000
<b>01 Aegis BMD Advance Procurement (CY)</b>		<b>96,995</b>						<b>96,995</b>
<b>FY 2020 Appropriated Base</b>		<b>96,995</b>						<b>96,995</b>
<b>01 BMDS AN/TPY-2 Radars</b>		<b>10,046</b>						<b>10,046</b>
<b>FY 2020 Appropriated Base</b>		<b>10,046</b>						<b>10,046</b>
<b>01 Arrow 3 Upper Tier Systems</b>	<b>1</b>	<b>55,000</b>					<b>1</b>	<b>55,000</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>55,000</b>					<b>1</b>	<b>55,000</b>
<b>01 Short Range Ballistic Missile Defense (SRBMD)</b>	<b>1</b>	<b>50,000</b>					<b>1</b>	<b>50,000</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>50,000</b>					<b>1</b>	<b>50,000</b>
<b>01 Aegis Ashore Phase III</b>	<b>1</b>	<b>25,659</b>					<b>1</b>	<b>25,659</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>25,659</b>					<b>1</b>	<b>25,659</b>
<b>01 Iron Dome</b>	<b>1</b>	<b>95,000</b>					<b>1</b>	<b>95,000</b>
<b>FY 2020 Appropriated Base</b>	<b>1</b>	<b>95,000</b>					<b>1</b>	<b>95,000</b>
<b>01 Aegis BMD Hardware and Software</b>	<b>36</b>	<b>124,986</b>					<b>36</b>	<b>124,986</b>
<b>FY 2020 Appropriated Base</b>	<b>36</b>	<b>124,986</b>					<b>36</b>	<b>124,986</b>
<b>01 AEGIS BMD SM-3 Block IIA</b>						<b>238,000</b>		<b>238,000</b>
<b>FY 2020 Appropriated Base</b>								
Transfer from line 31 BLI MD09 Aegis BMD for SM-3 Block IIA interceptors						238,000		238,000
<b>Subtotal Budget Activity 01: Major Equipment</b>		<b>1,493,793</b>				<b>230,941</b>		<b>1,724,734</b>
<b>Subtotal Missile Defense Agency</b>		<b>1,493,793</b>				<b>230,941</b>		<b>1,724,734</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>National Security Agency</b>								
<b>Budget Activity 01: Major Equipment</b>								
<b>01 Information Systems Security Program (ISSP)</b>		1,533				-1,533		
FY 2020 Appropriated Base		1,533						1,533
Sharkseer - transfer to line 8						-1,400		-1,400
L.F. Add the \$133K from ISSP unclassified line to the classified line for 0300D limit 8500.						-133		-133
<b>Subtotal Budget Activity 01: Major Equipment</b>		1,533				-1,533		
<b>Subtotal National Security Agency</b>		1,533				-1,533		
<b>Office of the Secretary of Defense</b>								
<b>Budget Activity 01: Major Equipment</b>								
<b>01 Major Equipment, OSD</b>		43,705						43,705
FY 2020 Appropriated Base		43,705						43,705
<b>Subtotal Budget Activity 01: Major Equipment</b>		43,705						43,705
<b>Subtotal Office of the Secretary of Defense</b>		43,705						43,705
<b>Special Operations Command</b>								
<b>Budget Activity 02: Special Operations Command</b>								
<b>02 Manned ISR</b>		5,000						5,000
FY 2020 OCO (Title IX)		5,000						5,000
<b>02 MC-12</b>		5,000						5,000
FY 2020 OCO (Title IX)		5,000						5,000
<b>02 MH-60 Blackhawk</b>		28,100				-2,836		25,264
FY 2020 OCO (Title IX)		28,100						28,100
2 / Labor and program support excess growth						-2,836		-2,836
<b>02 Rotary Wing Upgrades and Sustainment</b>		172,020						172,020
FY 2020 Appropriated Base		172,020						172,020
<b>02 Unmanned ISR</b>		23,415				-3,460		19,955
FY 2020 Appropriated Base		15,208						15,208
2 / SOF unique mission kits excessive growth						-3,460		-3,460
FY 2020 OCO (Title IX)		8,207						8,207
<b>02 Non-Standard Aviation</b>		32,310						32,310
FY 2020 Appropriated Base		32,310						32,310
<b>02 U-28</b>		42,398						42,398
FY 2020 Appropriated Base		10,898						10,898
FY 2020 OCO (Title IX)		31,500						31,500

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>02 MH-47 Chinook</b>		<b>211,312</b>				<b>-5,219</b>		<b>206,093</b>
<b>FY 2020 Appropriated Base</b>		<b>173,812</b>						<b>173,812</b>
2 / Publication/tech data excess growth						-2,000		-2,000
<b>FY 2020 OCO (Title IX)</b>		<b>37,500</b>						<b>37,500</b>
2 / Excess growth						-3,219		-3,219
<b>02 CV-22 Modification</b>		<b>17,256</b>						<b>17,256</b>
<b>FY 2020 Appropriated Base</b>		<b>17,256</b>						<b>17,256</b>
<b>02 MQ-9 Unmanned Aerial Vehicle</b>		<b>7,238</b>						<b>7,238</b>
<b>FY 2020 Appropriated Base</b>		<b>5,338</b>						<b>5,338</b>
<b>FY 2020 OCO (Title IX)</b>		<b>1,900</b>						<b>1,900</b>
<b>02 Precision Strike Package</b>		<b>232,930</b>						<b>232,930</b>
<b>FY 2020 Appropriated Base</b>		<b>232,930</b>						<b>232,930</b>
<b>02 AC/MC-130J</b>		<b>173,419</b>				<b>-30,187</b>		<b>143,232</b>
<b>FY 2020 Appropriated Base</b>		<b>173,419</b>						<b>173,419</b>
2 / RF countermeasures excess to need						-21,787		-21,787
RFCM - SOCOM requested transfer to RDTE, DW line 256						-8,400		-8,400
<b>02 C-130 Modifications</b>		<b>15,582</b>						<b>15,582</b>
<b>FY 2020 Appropriated Base</b>		<b>15,582</b>						<b>15,582</b>
<b>02 Underwater Systems</b>		<b>58,991</b>						<b>58,991</b>
<b>FY 2020 Appropriated Base</b>		<b>58,991</b>						<b>58,991</b>
<b>02 Ordnance Items &lt;\$5M</b>		<b>418,244</b>				<b>-6,000</b>		<b>412,244</b>
<b>FY 2020 Appropriated Base</b>		<b>279,992</b>						<b>279,992</b>
2 / SOPGM unit cost adjustments						-6,000		-6,000
<b>FY 2020 OCO (Title IX)</b>		<b>138,252</b>						<b>138,252</b>
<b>02 Intelligence Systems</b>		<b>117,141</b>						<b>117,141</b>
<b>FY 2020 Appropriated Base</b>		<b>100,641</b>						<b>100,641</b>
<b>FY 2020 OCO (Title IX)</b>		<b>16,500</b>						<b>16,500</b>
<b>02 Distributed Common Ground/Surface Systems</b>		<b>12,522</b>						<b>12,522</b>
<b>FY 2020 Appropriated Base</b>		<b>12,522</b>						<b>12,522</b>
<b>02 Other Items &lt;\$5M</b>		<b>103,938</b>						<b>103,938</b>
<b>FY 2020 Appropriated Base</b>		<b>103,910</b>						<b>103,910</b>
<b>FY 2020 OCO (Title IX)</b>		<b>28</b>						<b>28</b>
<b>02 Combatant Craft Systems</b>		<b>33,088</b>				<b>15,374</b>		<b>48,462</b>
<b>FY 2020 Appropriated Base</b>		<b>33,088</b>						<b>33,088</b>
1 / Program increase - combatant craft assault						8,169		8,169
1 / Program increase - combatant craft medium training loss						7,205		7,205
<b>02 Special Programs</b>		<b>63,467</b>						<b>63,467</b>
<b>FY 2020 Appropriated Base</b>		<b>63,467</b>						<b>63,467</b>
<b>02 Tactical Vehicles</b>		<b>80,822</b>				<b>33,300</b>		<b>114,122</b>
<b>FY 2020 Appropriated Base</b>		<b>77,832</b>						<b>77,832</b>
1 / Program increase - Ground Mobility Vehicles						33,300		33,300
<b>FY 2020 OCO (Title IX)</b>		<b>2,990</b>						<b>2,990</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
02 Warrior Systems <\$5M		335,992						335,992
FY 2020 Appropriated Base		298,480						298,480
FY 2020 OCO (Title IX)		37,512						37,512
02 Combat Mission Requirements		29,702						29,702
FY 2020 Appropriated Base		19,702						19,702
FY 2020 OCO (Title IX)		10,000						10,000
02 Global Video Surveillance Activities		4,787						4,787
FY 2020 Appropriated Base		4,787						4,787
02 Operational Enhancements Intelligence		15,769						15,769
FY 2020 Appropriated Base		8,175						8,175
FY 2020 OCO (Title IX)		7,594						7,594
02 Operational Enhancements		327,726						327,726
FY 2020 Appropriated Base		282,532						282,532
FY 2020 OCO (Title IX)		45,194						45,194
Subtotal Budget Activity 02: Special Operations Command		2,568,169				972		2,569,141
Subtotal Special Operations Command		2,568,169				972		2,569,141
The Joint Staff								
Budget Activity 01: Major Equipment								
01 Major Equipment, TJS		6,905						6,905
FY 2020 Appropriated Base		6,905						6,905
01 Major Equipment - TJS Cyber		1,458						1,458
FY 2020 Appropriated Base		1,458						1,458
Subtotal Budget Activity 01: Major Equipment		8,363						8,363
Subtotal The Joint Staff		8,363						8,363
Washington Headquarters Services								
Budget Activity 01: Major Equipment								
01 Major Equipment, WHS		507						507
FY 2020 Appropriated Base		507						507
Subtotal Budget Activity 01: Major Equipment		507						507
Subtotal Washington Headquarters Services		507						507
Grand Total Procurement, Defense-Wide, 2020/2022		5,561,463				208,748		5,770,211



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Procurement, Defense-Wide, 2020/2022 (0300D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		5,109,416				222,731		5,332,147
APPROPRIATION, P.L. 116-93 (OCO)		452,047				-13,983		438,064
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>5,561,463</b>				<b>208,748</b>		<b>5,770,211</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.   For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
National Guard and Reserve Equipment, 2020/2022 (0350D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Army								
Budget Activity 01: Reserve Equipment								
01 Miscellaneous Equipment, Army Reserve						205,000		205,000
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						205,000		205,000
Subtotal Budget Activity 01: Reserve Equipment						205,000		205,000
Budget Activity 02: National Guard Equipment								
02 Miscellaneous Equipment, Army National Guard						395,000		395,000
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						395,000		395,000
Subtotal Budget Activity 02: National Guard Equipment						395,000		395,000
Subtotal Army						600,000		600,000
Navy								
Budget Activity 01: Reserve Equipment								
01 Miscellaneous Equipment, Navy Reserve						75,000		75,000
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						75,000		75,000
01 Miscellaneous Equipment, Marine Corp Reserve						25,000		25,000
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						25,000		25,000
Subtotal Budget Activity 01: Reserve Equipment						100,000		100,000
Subtotal Navy						100,000		100,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>National Guard and Reserve Equipment, 2020/2022 (0350D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Air Force</b>								
<b>Budget Activity 01: Reserve Equipment</b>								
<b>01</b> <b>Miscellaneous Equipment, AF Reserve</b>						<b>205,000</b>		<b>205,000</b>
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						205,000		205,000
<b>Subtotal Budget Activity 01: Reserve Equipment</b>						<b>205,000</b>		<b>205,000</b>
<b>Budget Activity 02: National Guard Equipment</b>								
<b>02</b> <b>Miscellaneous Equipment, Air National Guard</b>						<b>395,000</b>		<b>395,000</b>
FY 2020 Appropriated Base								
FY 2020 OCO (Title IX)								
1 / Program increase						395,000		395,000
<b>Subtotal Budget Activity 02: National Guard Equipment</b>						<b>395,000</b>		<b>395,000</b>
<b>Subtotal Air Force</b>						<b>600,000</b>		<b>600,000</b>
<b>Grand Total National Guard and Reserve Equipment, 2020/2022</b>						<b>1,300,000</b>		<b>1,300,000</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)								
APPROPRIATION, P.L. 116-93 (OCO)						1,300,000		1,300,000
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>						<b>1,300,000</b>		<b>1,300,000</b>
<b>Footnotes:</b>  1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Chemical Agents and Munitions Destruction, 2020/2020 (0390D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
01 Chem Demilitarization - O&M		107,351				-30,008		77,343
FY 2020 Appropriated Base		107,351						107,351
Transfer within account to new POA						-30,008		-30,008
Subtotal Budget Activity 01: Operation And Maintenance		107,351				-30,008		77,343
Grand Total Chemical Agents and Munitions Destruction, 2020/2020		107,351				-30,008		77,343
Financing								
APPROPRIATION, P.L. 116-93 (Base)		107,351				-30,008		77,343
TOTAL FINANCING - FY 2020 PROGRAM		107,351				-30,008		77,343
Footnotes:								
For Operation and Maintenance, the Below Threshold Reprogramming limitation is \$10 million.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Chemical Agents and Munitions Destruction, 2020/2021 (0390D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>01 Chem Demilitarization - O&amp;M</b>						<b>30,008</b>		<b>30,008</b>
<b>FY 2020 Appropriated Base</b>								
Transfer within account to new POA						30,008		30,008
<b>Subtotal Budget Activity 01: Operation And Maintenance</b>						<b>30,008</b>		<b>30,008</b>
<b>Budget Activity 02: Research, Development, Test, And Evaluation</b>								
<b>02 Chem Demilitarization - RDT&amp;E</b>		<b>875,930</b>						<b>875,930</b>
<b>FY 2020 Appropriated Base</b>		<b>875,930</b>						<b>875,930</b>
<b>Subtotal Budget Activity 02: Research, Development, Test, And Evaluation</b>		<b>875,930</b>						<b>875,930</b>
<b>Grand Total Chemical Agents and Munitions Destruction, 2020/2021</b>		<b>875,930</b>				<b>30,008</b>		<b>905,938</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		875,930				30,008		905,938
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>875,930</b>				<b>30,008</b>		<b>905,938</b>
Footnotes:								
For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Chemical Agents and Munitions Destruction, 2020/2022 (0390D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
03 Chem Demilitarization - Procurement		2,218						2,218
FY 2020 Appropriated Base		2,218						2,218
Subtotal Budget Activity 03: Procurement		2,218						2,218
Grand Total Chemical Agents and Munitions Destruction, 2020/2022		2,218						2,218
Financing								
APPROPRIATION, P.L. 116-93 (Base)		2,218						2,218
TOTAL FINANCING - FY 2020 PROGRAM		2,218						2,218
Footnotes:								
For Procurement, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Chemical and Biological Defense Program</b>								
<b>Budget Activity 01: Basic Research</b>								
01 0601384BP Chemical and Biological Defense Program		45,238				3,000		48,238
FY 2020 Appropriated Base		45,238						45,238
1 / Program increase - water jet technology						3,000		3,000
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>45,238</b>				<b>3,000</b>		<b>48,238</b>
<b>Budget Activity 02: Applied Research</b>								
02 0602384BP Chemical and Biological Defense Program		202,587				12,470		215,057
FY 2020 Appropriated Base		202,587						202,587
1 / Program increase						12,500		12,500
1 / Program increase - coatings technologies						2,100		2,100
2 / Excess growth						-2,130		-2,130
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>202,587</b>				<b>12,470</b>		<b>215,057</b>
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603384BP Chemical and Biological Defense Program - Advanced Development		172,486				3,000		175,486
FY 2020 Appropriated Base		172,486						172,486
1 / Program increase - improved gas particulate filter unit						3,000		3,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>172,486</b>				<b>3,000</b>		<b>175,486</b>
<b>Budget Activity 04: Advanced Component Development And Prototypes</b>								
04 0603884BP Chemical and Biological Defense Program - Dem/Val		83,662				-3,500		80,162
FY 2020 Appropriated Base		83,662						83,662
2 / Program delays - VAC VEE						-2,000		-2,000
2 / Program delays - MPD						-1,500		-1,500
<b>Subtotal Budget Activity 04: Advanced Component Development And Prototypes</b>		<b>83,662</b>				<b>-3,500</b>		<b>80,162</b>
<b>Budget Activity 05: System Development and Demonstration</b>								
05 0604384BP Chemical and Biological Defense Program - EMD		384,047				1,000		385,047
FY 2020 Appropriated Base		384,047						384,047
1 / Program increase - Smallpox antiviral post-exposure prophylaxis						11,000		11,000
2 / Excess growth						-4,267		-4,267
2 / MMRDS - program delays						-2,533		-2,533
2 / CALS - program delays						-2,500		-2,500
2 / SSA - program delays						-700		-700
<b>Subtotal Budget Activity 05: System Development and Demonstration</b>		<b>384,047</b>				<b>1,000</b>		<b>385,047</b>
<b>Budget Activity 06: Management Support</b>								
06 0605384BP Chemical and Biological Defense Program		110,363						110,363
FY 2020 Appropriated Base		110,363						110,363
<b>Subtotal Budget Activity 06: Management Support</b>		<b>110,363</b>						<b>110,363</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 07: Operational System Development</b>								
<b>07 0607384BP</b> Chemical and Biological Defense (Operational Systems Development)		54,023				-2,189		51,834
FY 2020 Appropriated Base		54,023						54,023
1 / MODPROT - program delays						-500		-500
2 / SSA - program delays						-700		-700
2 / ALS MOD - program delays						-500		-500
2 / JBAIDS - program delays						-489		-489
<b>Subtotal Budget Activity 07: Operational System Development</b>		<b>54,023</b>				<b>-2,189</b>		<b>51,834</b>
<b>Subtotal Chemical and Biological Defense Program</b>		<b>1,052,406</b>				<b>13,781</b>		<b>1,066,187</b>
<b>Classified Programs</b>								
<b>Budget Activity 06: Management Support</b>								
<b>06 999999999</b> Classified Programs		51,471						51,471
FY 2020 Appropriated Base		51,471						51,471
<b>Subtotal Budget Activity 06: Management Support</b>		<b>51,471</b>						<b>51,471</b>
<b>Budget Activity 07: Operational System Development</b>								
<b>07 999999999</b> Classified Programs		4,742,839				-107,256		4,635,583
FY 2020 Appropriated Base		4,116,640						4,116,640
1 / Program increase - transport access control						3,000		3,000
2 / Classified adjustment						-102,566		-102,566
Transfer from title IX						426,000		426,000
FY 2020 OCO (Title IX)		626,199						626,199
2 / Program decrease						-7,690		-7,690
Transfer to title IV						-426,000		-426,000
<b>Subtotal Budget Activity 07: Operational System Development</b>		<b>4,742,839</b>				<b>-107,256</b>		<b>4,635,583</b>
<b>Subtotal Classified Programs</b>		<b>4,794,310</b>				<b>-107,256</b>		<b>4,687,054</b>
<b>Defense Advanced Research Projects Agency</b>								
<b>Budget Activity 01: Basic Research</b>								
<b>01 0601101E</b> Defense Research Sciences		432,284						432,284
FY 2020 Appropriated Base		432,284						432,284
<b>01 0601117E</b> Basic Operational Medical Research Science		54,122						54,122
FY 2020 Appropriated Base		54,122						54,122
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>486,406</b>						<b>486,406</b>



Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 02: Applied Research</b>								
02 0602115E Biomedical Technology		97,771				-5,000		92,771
FY 2020 Appropriated Base		97,771						97,771
2 / Program delays						-5,000		-5,000
02 0602303E Information & Communications Technology		442,556				-14,000		428,556
FY 2020 Appropriated Base		442,556						442,556
1 / Program increase - distributed ledger technology						1,000		1,000
2 / Unjustified increase						-15,000		-15,000
02 0602383E Biological Warfare Defense		34,588						34,588
FY 2020 Appropriated Base		34,588						34,588
02 0602702E Tactical Technology		337,602				-24,600		313,002
FY 2020 Appropriated Base		337,602						337,602
2 / Program delays						-14,600		-14,600
2 / Prior year carryover						-10,000		-10,000
02 0602715E Materials and Biological Technology		223,976				-9,000		214,976
FY 2020 Appropriated Base		223,976						223,976
2 / Program delays						-9,000		-9,000
02 0602716E Electronics Technology		332,192				-15,000		317,192
FY 2020 Appropriated Base		332,192						332,192
2 / Program delays						-15,000		-15,000
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>1,468,685</b>				<b>-67,600</b>		<b>1,401,085</b>
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603286E Advanced Aerospace Systems		279,741						279,741
FY 2020 Appropriated Base		279,741						279,741
03 0603287E Space Programs and Technology		202,606				-12,300		190,306
FY 2020 Appropriated Base		202,606						202,606
2 / Excess to need - RSGS replan						-12,300		-12,300
03 0603739E Advanced Electronics Technologies		128,616				-5,000		123,616
FY 2020 Appropriated Base		128,616						128,616
2 / Program delays						-5,000		-5,000
03 0603760E Command, Control and Communications Systems		232,134				-3,000		229,134
FY 2020 Appropriated Base		232,134						232,134
1 / Program increase - satellite antenna technology						7,000		7,000
2 / Program delays						-10,000		-10,000
03 0603766E Network-Centric Warfare Technology		512,424				-5,000		507,424
FY 2020 Appropriated Base		512,424						512,424
2 / Unjustified increase						-5,000		-5,000
03 0603767E Sensor Technology		163,903				-5,000		158,903
FY 2020 Appropriated Base		163,903						163,903
2 / Program delays						-5,000		-5,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>1,519,424</b>				<b>-30,300</b>		<b>1,489,124</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Budget Activity 06: Management Support								
06 0605001E Mission Support		68,498						68,498
FY 2020 Appropriated Base		68,498						68,498
06 0605898E Management HQ - R&D		13,208						13,208
FY 2020 Appropriated Base		13,208						13,208
Subtotal Budget Activity 06: Management Support		81,706						81,706
Subtotal Defense Advanced Research Projects Agency		3,556,221				-97,900		3,458,321
Defense Contract Audit Agency								
Budget Activity 04: Advanced Component Development And Prototypes								
04 0300206R Enterprise Information Technology Systems		1,600						1,600
FY 2020 Appropriated Base		1,600						1,600
Subtotal Budget Activity 04: Advanced Component Development And Prototypes		1,600						1,600
Subtotal Defense Contract Audit Agency		1,600						1,600
Defense Contract Management Agency								
Budget Activity 05: System Development and Demonstration								
05 0605013BL Information Technology Development		3,070						3,070
FY 2020 Appropriated Base		3,070						3,070
05 0303140BL Information Systems Security Program		425						425
FY 2020 Appropriated Base		425						425
Subtotal Budget Activity 05: System Development and Demonstration		3,495						3,495
Subtotal Defense Contract Management Agency		3,495						3,495
Defense Counterintelligence and Security Agency								
Budget Activity 07: Operational System Development								
07 0604130V Enterprise Security System (ESS)		7,945						7,945
FY 2020 Appropriated Base		7,945						7,945
07 0305128V Security and Investigative Activities		2,400						2,400
FY 2020 Appropriated Base		2,400						2,400
07 0305327V Insider Threat		1,964						1,964
FY 2020 Appropriated Base		1,964						1,964
Subtotal Budget Activity 07: Operational System Development		12,309						12,309
Subtotal Defense Counterintelligence and Security Agency		12,309						12,309

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
Defense Human Resource Activities								
Budget Activity 05: System Development and Demonstration								
05 0605021SE Homeland Personnel Security Initiative		7,295						7,295
FY 2020 Appropriated Base		7,295						7,295
Subtotal Budget Activity 05: System Development and Demonstration		7,295						7,295
Budget Activity 06: Management Support								
06 0605803SE R&D in Support of DoD Enlistment, Testing and Evaluation		34,448				-5,000		29,448
FY 2020 Appropriated Base		34,448						34,448
2 / Unjustified growth						-5,000		-5,000
06 0808709SE Defense Equal Opportunity Management Institute (DEOMI)		100						100
FY 2020 Appropriated Base		100						100
Subtotal Budget Activity 06: Management Support		34,548				-5,000		29,548
Subtotal Defense Human Resource Activities		41,843				-5,000		36,843
Defense Information Systems Agency								
Budget Activity 05: System Development and Demonstration								
05 0303141K Global Combat Support System		1,578						1,578
FY 2020 Appropriated Base		1,578						1,578
Subtotal Budget Activity 05: System Development and Demonstration		1,578						1,578
Budget Activity 06: Management Support								
06 0305172K Combined Advanced Applications		58,667						58,667
FY 2020 Appropriated Base		58,667						58,667
1 / Program increase						15,000		15,000
2 / Unjustified growth						-15,000		-15,000
06 0903235K Joint Service Provider (JSP)		3,090						3,090
FY 2020 Appropriated Base		3,090						3,090
Subtotal Budget Activity 06: Management Support		61,757						61,757

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
<b>Budget Activity 07: Operational System Development</b>								
07	0604532K		208,834				-25,000	183,834
	Joint Artificial Intelligence							
	FY 2020 Appropriated Base		208,834					208,834
	2 / Insufficient justification						-25,000	-25,000
07	0208045K		64,122					64,122
	C4I Interoperability							
	FY 2020 Appropriated Base		64,122					64,122
07	0302019K		15,798				-5,000	10,798
	Defense Info Infrastructure Engineering and Integration							
	FY 2020 Appropriated Base		15,798					15,798
	2 / Prior year carryover						-5,000	-5,000
07	0303126K		11,166					11,166
	Long-Haul Communications - DCS							
	FY 2020 Appropriated Base		11,166					11,166
07	0303131K		17,383					17,383
	Minimum Essential Emergency Communications Network (MEECN)							
	FY 2020 Appropriated Base		17,383					17,383
07	0303140K		42,796				-2,398	40,398
	Information Systems Security Program							
	FY 2020 Appropriated Base		42,796					42,796
	2 / Unjustified growth						-4,280	-4,280
	Sharkseer - Department requested transfer from line 216						1,882	1,882
07	0303150K		25,218				-8,000	17,218
	Global Command and Control System							
	FY 2020 Appropriated Base		25,218					25,218
	2 / Prior year carryover						-8,000	-8,000
07	0303153K		21,698				-2,170	19,528
	Defense Spectrum Organization							
	FY 2020 Appropriated Base		21,698					21,698
	2 / Insufficient justification						-2,170	-2,170
07	0303228K		18,077				-1,808	16,269
	Joint Regional Security Stacks (JRSS)							
	FY 2020 Appropriated Base		18,077					18,077
	2 / Insufficient justification						-1,808	-1,808
07	0303430K		44,001					44,001
	Federal Investigative Services Information Technology							
	FY 2020 Appropriated Base		44,001					44,001
07	0305208K		2,981					2,981
	Distributed Common Ground/Surface Systems							
	FY 2020 Appropriated Base		2,981					2,981
07	0708012K		1,361					1,361
	Logistics Support Activities							
	FY 2020 Appropriated Base		1,361					1,361
07	1203610K		6,158				-616	5,542
	Teleport Program							
	FY 2020 Appropriated Base		6,158					6,158
	2 / Insufficient justification						-616	-616
<b>Subtotal Budget Activity 07: Operational System Development</b>			<b>479,593</b>				<b>-44,992</b>	<b>434,601</b>
<b>Subtotal Defense Information Systems Agency</b>			<b>542,928</b>				<b>-44,992</b>	<b>497,936</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Defense Logistics Agency</b>								
<b>Budget Activity 03: Advanced Technology Development</b>								
<b>03 0603680S</b>								
Manufacturing Technology Program		42,834				10,000		52,834
FY 2020 Appropriated Base		42,834						42,834
1 / Program increase - steel performance initiative						10,000		10,000
<b>03 0603712S</b>								
Generic Logistics R&D Technology Demonstrations		10,817				6,400		17,217
FY 2020 Appropriated Base		10,817						10,817
1 / Program increase - full conversion						5,000		5,000
1 / Program increase - liquid hydrocarbon fuels						5,000		5,000
2 / Prior year carryover						-3,600		-3,600
<b>03 0603720S</b>								
Microelectronics Technology Development and Support		171,771				35,000		206,771
FY 2020 Appropriated Base		171,771						171,771
1 / Program increase - cyber accelerator						30,000		30,000
1 / Program increase - GaN-on-Si-based RF Front-end						5,000		5,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>225,422</b>				<b>51,400</b>		<b>276,822</b>
<b>Budget Activity 05: System Development and Demonstration</b>								
<b>05 0605070S</b>								
DOD Enterprise Systems Development and Demonstration		2,378						2,378
FY 2020 Appropriated Base		2,378						2,378
<b>05 0605080S</b>								
Defense Agency Initiatives (DAI) - Financial System		27,944				-4,000		23,944
FY 2020 Appropriated Base		27,944						27,944
2 / Prior year carryover						-4,000		-4,000
<b>05 0605090S</b>								
Defense Retired and Annuitant Pay System (DRAS)		6,609						6,609
FY 2020 Appropriated Base		6,609						6,609
<b>Subtotal Budget Activity 05: System Development and Demonstration</b>		<b>36,931</b>				<b>-4,000</b>		<b>32,931</b>
<b>Budget Activity 07: Operational System Development</b>								
<b>07 0708012S</b>								
Pacific Disaster Centers		1,770						1,770
FY 2020 Appropriated Base		1,770						1,770
<b>07 0708047S</b>								
Defense Property Accountability System		3,679						3,679
FY 2020 Appropriated Base		3,679						3,679
<b>Subtotal Budget Activity 07: Operational System Development</b>		<b>5,449</b>						<b>5,449</b>
<b>Subtotal Defense Logistics Agency</b>		<b>267,802</b>				<b>47,400</b>		<b>315,202</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Defense Security Cooperation Agency</b>								
<b>Budget Activity 07: Operational System Development</b>								
07 0605127T Regional International Outreach (RIO) and Partnership for Peace Information Mana		1,947						1,947
FY 2020 Appropriated Base		1,947						1,947
07 0605147T Overseas Humanitarian Assistance Shared Information System (OHASIS)		310						310
FY 2020 Appropriated Base		310						310
07 0607327T Global Theater Security Cooperation Management Information Systems (G-TSCMIS)		14,800				-2,800		12,000
FY 2020 Appropriated Base		14,800						14,800
2 / Unjustified growth						-2,800		-2,800
<b>Subtotal Budget Activity 07: Operational System Development</b>		<b>17,057</b>				<b>-2,800</b>		<b>14,257</b>
<b>Subtotal Defense Security Cooperation Agency</b>		<b>17,057</b>				<b>-2,800</b>		<b>14,257</b>
<b>Defense Technical Information Center</b>								
<b>Budget Activity 06: Management Support</b>								
06 0605801KA Defense Technical Information Center (DTIC)		57,716						57,716
FY 2020 Appropriated Base		57,716						57,716
06 0605998KA Management HQ - Defense Technical Information Center (DTIC)		3,027						3,027
FY 2020 Appropriated Base		3,027						3,027
<b>Subtotal Budget Activity 06: Management Support</b>		<b>60,743</b>						<b>60,743</b>
<b>Subtotal Defense Technical Information Center</b>		<b>60,743</b>						<b>60,743</b>
<b>Defense Threat Reduction Agency</b>								
<b>Budget Activity 01: Basic Research</b>								
01 0601000BR DTRA Basic Research		26,000						26,000
FY 2020 Appropriated Base		26,000						26,000
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>26,000</b>						<b>26,000</b>
<b>Budget Activity 02: Applied Research</b>								
02 0602134BR Counter Improvised-Threat Advanced Studies		1,677						1,677
FY 2020 OCO (Title IX)		1,677						1,677
02 0602718BR Counter Weapons of Mass Destruction Applied Research		179,096				-5,000		174,096
FY 2020 Appropriated Base		179,096						179,096
2 / Unjustified growth						-5,000		-5,000
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>180,773</b>				<b>-5,000</b>		<b>175,773</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603134BR Counter Improvised-Threat Simulation		49,528						49,528
FY 2020 OCO (Title IX)		49,528						49,528
03 0603160BR Counter Weapons of Mass Destruction Advanced Technology Development		340,065				-10,000		330,065
FY 2020 Appropriated Base		340,065						340,065
2 / Excess growth						-10,000		-10,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>389,593</b>				<b>-10,000</b>		<b>379,593</b>
<b>Budget Activity 04: Advanced Component Development And Prototypes</b>								
04 0604134BR Counter Improvised-Threat Demonstration, Prototype Development, and Testing		113,590						113,590
FY 2020 OCO (Title IX)		113,590						113,590
04 0604775BR Defense Rapid Innovation Program		14,021				-14,021		14,021
FY 2020 Appropriated Base		14,021						14,021
2 / Program decrease - insufficient justification						-14,021		-14,021
<b>Subtotal Budget Activity 04: Advanced Component Development And Prototypes</b>		<b>127,611</b>				<b>-14,021</b>		<b>113,590</b>
<b>Budget Activity 05: System Development and Demonstration</b>								
05 0605000BR Counter Weapons of Mass Destruction Systems Development		13,100						13,100
FY 2020 Appropriated Base		13,100						13,100
<b>Subtotal Budget Activity 05: System Development and Demonstration</b>		<b>13,100</b>						<b>13,100</b>
<b>Subtotal Defense Threat Reduction Agency</b>		<b>737,077</b>				<b>-29,021</b>		<b>708,056</b>
<b>Missile Defense Agency</b>								
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603176C Advanced Concepts and Performance Assessment		14,208				31,993		46,201
FY 2020 Appropriated Base		14,208						14,208
1 / Program increase - advanced cyber capabilities						5,000		5,000
1 / Program increase - cybersecurity of MDA DV left and right of launch						22,500		22,500
1 / Program increase - cybersecurity						4,493		4,493
03 0603178C Weapons Technology		10,000				-10,000		
FY 2020 Appropriated Base		10,000						10,000
2 / MD72 program termination						-10,000		-10,000
03 0603180C Advanced Research		20,674				7,000		27,674
FY 2020 Appropriated Base		20,674						20,674
1 / Program increase - carbon composites manufacturing						7,000		7,000
03 0603294C Common Kill Vehicle Technology		13,600						13,600
FY 2020 Appropriated Base		13,600						13,600
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		<b>58,482</b>				<b>28,993</b>		<b>87,475</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)						2020		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 04: Advanced Component Development And Prototypes</b>								
04 0603881C		302,761				4,000		306,761
		FY 2020 Appropriated Base						302,761
1 /		Program increase - cybersecurity				4,000		4,000
04 0603882C		1,156,506				147,210		1,303,716
		FY 2020 Appropriated Base						1,156,506
1 /		Program increase - cybersecurity				24,110		24,110
2 /		Early to need				-56,900		-56,900
		RKV realignment - GBI CE-I reliability SLEP only				180,000		180,000
04 0603884C		283,487				68,801		352,288
		FY 2020 Appropriated Base						283,487
1 /		Program increase - models and simulation unfunded requirement				1,500		1,500
1 /		Program increase - cybersecurity				20,294		20,294
1 /		Program increase - HEMP hardening				69,000		69,000
2 /		MD11 modeling and simulation development unjustified growth				-21,993		-21,993
04 0603890C		571,507				62,942		634,449
		BMD Enabling Programs						571,507
1 /		FY 2020 Appropriated Base				62,942		62,942
		Program increase - cybersecurity enhancements						
04 0603891C		377,098				135,000		512,098
		Special Programs - MDA						377,098
1 /		FY 2020 Appropriated Base				135,000		135,000
		Program increase - classified unfunded requirement						
04 0603892C		727,479				9,790		737,269
		AEGIS BMD						727,479
1 /		FY 2020 Appropriated Base				8,790		8,790
2 /		Program increase - cybersecurity				-28,000		-28,000
		Aegis BMD unjustified growth				29,000		29,000
		RKV realignment - AEGIS upgrades						
04 0603896C		564,206				-14,450		549,756
		Ballistic Missile Defense Command and Control, Battle Management and Communicati						564,206
1 /		FY 2020 Appropriated Base				18,850		18,850
2 /		Program increase - cybersecurity				-1,550		-1,550
2 /		Program decrease - IBCS delay				-31,750		-31,750
		Increment 7 early to need						
04 0603898C		51,532						51,532
		Ballistic Missile Defense Joint Warfighter Support						51,532
		FY 2020 Appropriated Base						51,532
04 0603904C		56,161						56,161
		Missile Defense Integration & Operations Center (MDIOC)						56,161
		FY 2020 Appropriated Base						56,161
04 0603906C		22,424						22,424
		Regarding Trench						22,424
		FY 2020 Appropriated Base						22,424



Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title:							Fiscal Year Program:		
<b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>							<b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
04	0603907C								
	Sea Based X-Band Radar (SBX)		128,156						128,156
	FY 2020 Appropriated Base		128,156						128,156
04	0603913C								
	Israeli Cooperative Programs		300,000						300,000
	FY 2020 Appropriated Base		300,000						300,000
04	0603914C								
	Ballistic Missile Defense Test		395,924				3,814		399,738
	FY 2020 Appropriated Base		395,924						395,924
	1 / Program increase - cybersecurity						3,814		3,814
04	0603915C								
	Ballistic Missile Defense Targets		554,171				-11,232		542,939
	FY 2020 Appropriated Base		554,171						554,171
	2 / MRBM target contract award delays						-11,232		-11,232
04	0604115C								
	Technology Maturation Initiatives		303,458				-38,938		264,520
	FY 2020 Appropriated Base		303,458						303,458
	2 / Program decrease - neutral particle beam						-34,000		-34,000
	2 / Flight test lack of justification						-4,938		-4,938
04	0604181C								
	Hypersonic Defense		157,425				232,779		390,204
	FY 2020 Appropriated Base		157,425						157,425
	1 / Program increase - hypersonic defense						1,900		1,900
	1 / Program increase - Glide Phase Defeat Weapon System						25,000		25,000
	1 / Program increase - engineering enablers						57,858		57,858
	1 / Program increase - leverage and upgrade existing systems						43,942		43,942
	1 / Program increase - fiscal year 2020 partnered flight test participation						104,079		104,079
04	0604672C								
	Homeland Defense Radar - Hawaii (HDR-H)		274,714				-86,234		188,480
	FY 2020 Appropriated Base		274,714						274,714
	2 / Radar foundation and thermal control system						-1,234		-1,234
	2 / Funding acceleration early to need						-85,000		-85,000
04	0604673C								
	Pacific Discriminating Radar		6,711						6,711
	FY 2020 Appropriated Base		6,711						6,711
04	0604873C								
	Long Range Discrimination Radar (LRDR)		136,423						136,423
	FY 2020 Appropriated Base		136,423						136,423
04	0604874C								
	Improved Homeland Defense Interceptors		412,363				102,637		515,000
	FY 2020 Appropriated Base		412,363						412,363
	1 / RKV program termination - Next Generation Interceptor						310,000		310,000
	Competitive Development								
	2 / RKV program termination						-222,363		-222,363
	RKV realignment						-140,000		-140,000
	RKV realignment - risk reduction						155,000		155,000
04	0604876C								
	Ballistic Missile Defense Terminal Defense Segment Test		25,137						25,137
	FY 2020 Appropriated Base		25,137						25,137

## Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)**

Fiscal Year Program:

**2020**

Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
a									
04	0604878C		169,822						169,822
	FY 2020 Appropriated Base		169,822						169,822
04	0604879C		105,530						105,530
	Ballistic Missile Defense Sensor Test		105,530						105,530
	FY 2020 Appropriated Base		105,530						105,530
04	0604880C		38,352						38,352
	Land-Based SM-3 (LBSM3)		38,352						38,352
	FY 2020 Appropriated Base		38,352						38,352
04	0604887C		98,139						98,139
	Ballistic Missile Defense Midcourse Segment Test		98,139						98,139
	FY 2020 Appropriated Base		98,139						98,139
04	0305103C		1,138				10,000		11,138
	Cyber Security Initiative		1,138				10,000		11,138
	FY 2020 Appropriated Base		1,138						1,138
	1 / Program increase - Cheyenne Mountain cyber resilience efforts						10,000		10,000
04	1206893C		35,849				500		36,349
	Space Tracking & Surveillance System		35,849				500		36,349
	FY 2020 Appropriated Base		35,849						35,849
	1 / Program increase - cybersecurity						500		500
04	1206895C		27,565				113,000		140,565
	Ballistic Missile Defense System Space Programs		27,565				113,000		140,565
	FY 2020 Appropriated Base		27,565						27,565
	1 / Program increase - hypersonic and ballistic tracking space sensor unfunded requirement						108,000		108,000
	1 / Program increase - cybersecurity						5,000		5,000
Subtotal Budget Activity 04: Advanced Component Development And Prototypes			7,284,038				739,619		8,023,657
Budget Activity 06: Management Support									
06	0901598C		27,065						27,065
	Management HQ - MDA		27,065						27,065
	FY 2020 Appropriated Base		27,065						27,065
Subtotal Budget Activity 06: Management Support			27,065						27,065
Subtotal Missile Defense Agency			7,369,585				768,612		8,138,197
National Security Agency									
Budget Activity 07: Operational System Development									
07	0303136G		54,516						54,516
	Key Management Infrastructure (KMI)		54,516						54,516
	FY 2020 Appropriated Base		54,516						54,516
07	0303140G		289,080				38,118		327,198
	Information Systems Security Program		289,080				38,118		327,198
	FY 2020 Appropriated Base		289,080						289,080
	1 / Program increase - workforce transformation cyber security initiative pilot						25,000		25,000
	1 / Program increase - cyber scholarships for senior military colleges						10,000		10,000
	1 / Program increase - cyber security pathfinders						5,000		5,000
	Sharkseer - Department requested transfer to line 217						-1,882		-1,882
Subtotal Budget Activity 07: Operational System Development			343,596				38,118		381,714
Subtotal National Security Agency			343,596				38,118		381,714

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Office of the Secretary of Defense</b>								
<b>Budget Activity 01: Basic Research</b>								
<b>01 0601110D8Z Basic Research Initiatives</b>		<b>48,874</b>				<b>22,000</b>		<b>70,874</b>
<b>FY 2020 Appropriated Base</b>		<b>48,874</b>						<b>48,874</b>
1 / Program increase - Minerva research initiative						2,000		2,000
1 / Program increase - DEPSCOR						12,000		12,000
1 / Program increase - cyber research						8,000		8,000
<b>01 0601120D8Z National Defense Education Program</b>		<b>92,074</b>				<b>52,000</b>		<b>144,074</b>
<b>FY 2020 Appropriated Base</b>		<b>92,074</b>						<b>92,074</b>
1 / Program increase - regional fabrication and certification training labs						15,000		15,000
1 / Basic research program increase						35,000		35,000
1 / Program increase - civics education						2,000		2,000
<b>01 0601228D8Z Historically Black Colleges and Universities/Minority Institutions</b>		<b>30,708</b>				<b>22,000</b>		<b>52,708</b>
<b>FY 2020 Appropriated Base</b>		<b>30,708</b>						<b>30,708</b>
1 / Program increase						20,000		20,000
1 / Program increase - aerospace education, research and innovation center						2,000		2,000
<b>Subtotal Budget Activity 01: Basic Research</b>		<b>171,656</b>				<b>96,000</b>		<b>267,656</b>
<b>Budget Activity 02: Applied Research</b>								
<b>02 0602000D8Z Joint Munitions Technology</b>		<b>19,306</b>						<b>19,306</b>
<b>FY 2020 Appropriated Base</b>		<b>19,306</b>						<b>19,306</b>
<b>02 0602234D8Z Lincoln Laboratory Research Program</b>		<b>52,317</b>						<b>52,317</b>
<b>FY 2020 Appropriated Base</b>		<b>52,317</b>						<b>52,317</b>
<b>02 0602251D8Z Applied Research for the Advancement of S&amp;T Priorities</b>		<b>62,200</b>				<b>-1,800</b>		<b>60,400</b>
<b>FY 2020 Appropriated Base</b>		<b>62,200</b>						<b>62,200</b>
1 / PFAS modeling						7,000		7,000
2 / Excess growth						-8,800		-8,800
<b>02 0602668D8Z Cyber Security Research</b>		<b>15,118</b>				<b>10,000</b>		<b>25,118</b>
<b>FY 2020 Appropriated Base</b>		<b>15,118</b>						<b>15,118</b>
1 / Program increase - academic cyber institutes						10,000		10,000
<b>02 0602751D8Z Software Engineering Institute (SEI) Applied Research</b>		<b>9,580</b>						<b>9,580</b>
<b>FY 2020 Appropriated Base</b>		<b>9,580</b>						<b>9,580</b>
<b>Subtotal Budget Activity 02: Applied Research</b>		<b>158,521</b>				<b>8,200</b>		<b>166,721</b>

# Base for Reprogramming Actions

(Dollars in Thousands)

Appropriation Account Title:

**Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)**

Fiscal Year Program:

**2020**

Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 03: Advanced Technology Development</b>								
03 0603000D8Z Joint Munitions Advanced Technology		25,779						25,779
FY 2020 Appropriated Base		25,779						25,779
03 0603121D8Z SO/LIC Advanced Development		5,000						5,000
FY 2020 Appropriated Base		5,000						5,000
03 0603122D8Z Combating Terrorism Technology Support		95,747				21,000		116,747
FY 2020 Appropriated Base		70,517						70,517
1 / Program increase						5,000		5,000
1 / Program increase - bomb squad robot retrofitting						3,000		3,000
1 / Program increase - cooperative C-UAS development						13,000		13,000
FY 2020 OCO (Title IX)		25,230						25,230
03 0603133D8Z Foreign Comparative Testing		24,970						24,970
FY 2020 Appropriated Base		24,970						24,970
03 0603225D8Z Joint DoD-DoE Munitions Technology Development		18,773						18,773
FY 2020 Appropriated Base		18,773						18,773
03 0603288D8Z Analytic Assessments		19,429				-1,000		18,429
FY 2020 Appropriated Base		19,429						19,429
2 / Underexecution						-1,000		-1,000
03 0603289D8Z Advanced Innovative Analysis and Concepts		37,645						37,645
FY 2020 Appropriated Base		37,645						37,645
03 0603291D8Z Advanced Innovative Analysis and Concepts - MHA		14,668						14,668
FY 2020 Appropriated Base		14,668						14,668
03 0603342D8Z Defense Innovation Unit (DIU)		29,398						29,398
FY 2020 Appropriated Base		29,398						29,398
03 0603375D8Z Technology Innovation		60,000				-30,000		30,000
FY 2020 Appropriated Base		60,000						60,000
2 / Insufficient justification						-30,000		-30,000
03 0603527D8Z RETRACT LARCH		159,688						159,688
FY 2020 Appropriated Base		159,688						159,688
03 0603618D8Z Joint Electronic Advanced Technology		12,063						12,063
FY 2020 Appropriated Base		12,063						12,063
03 0603648D8Z Joint Capability Technology Demonstrations		107,359				-17,500		89,859
FY 2020 Appropriated Base		107,359						107,359
2 / Unjustified growth						-17,500		-17,500
03 0603662D8Z Networked Communications Capabilities		2,858						2,858
FY 2020 Appropriated Base		2,858						2,858

Base for Reprogramming Actions									
(Dollars in Thousands)									
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>							Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
03	0603680D8Z								
	<b>Defense-Wide Manufacturing Science and Technology Program</b>		<b>96,397</b>				<b>101,000</b>		<b>197,397</b>
	<b>FY 2020 Appropriated Base</b>		<b>96,397</b>						<b>96,397</b>
	1 / Program increase						20,000		20,000
	1 / Program increase - manufacturing engineering programs						5,000		5,000
	1 / Program increase - manufacturing innovation institutes						10,000		10,000
	1 / Program increase - advanced manufacturing						10,000		10,000
	1 / Program increase - HPC enabled advanced manufacturing						17,000		17,000
	1 / Program increase - manufacturing cybersecurity						14,000		14,000
	1 / Program increase - silicon based lasers						25,000		25,000
03	0603699D8Z		<b>80,911</b>				<b>28,500</b>		<b>109,411</b>
	<b>Emerging Capabilities Technology Development</b>		<b>80,911</b>						<b>80,911</b>
	<b>FY 2020 Appropriated Base</b>		<b>80,911</b>						<b>80,911</b>
	1 / Program increase - high-altitude optical reconnaissance unit and sensors						10,000		10,000
	1 / Program increase - open source intelligence						3,000		3,000
	1 / Program increase - remote advise and assist technology development						8,000		8,000
	1 / Program increase - disruptive air and missile defense						5,000		5,000
	1 / Program increase - artificial intelligence enabled sensor network						10,000		10,000
	2 / Excess growth						-7,500		-7,500
03	0603716D8Z		<b>66,157</b>						<b>66,157</b>
	<b>Strategic Environmental Research Program</b>		<b>66,157</b>						<b>66,157</b>
	<b>FY 2020 Appropriated Base</b>		<b>66,157</b>						<b>66,157</b>
03	0603727D8Z		<b>4,846</b>						<b>4,846</b>
	<b>Joint Warfighting Program</b>		<b>4,846</b>						<b>4,846</b>
	<b>FY 2020 Appropriated Base</b>		<b>4,846</b>						<b>4,846</b>
03	0603769D8Z		<b>13,723</b>				<b>8,723</b>		<b>22,446</b>
	<b>Distributed Learning Advanced Technology Development</b>		<b>13,723</b>						<b>13,723</b>
	<b>FY 2020 Appropriated Base</b>		<b>13,723</b>						<b>13,723</b>
	1 / Program increase						8,723		8,723
03	0603781D8Z		<b>15,111</b>						<b>15,111</b>
	<b>Software Engineering Institute</b>		<b>15,111</b>						<b>15,111</b>
	<b>FY 2020 Appropriated Base</b>		<b>15,111</b>						<b>15,111</b>
03	0603826D8Z		<b>47,147</b>				<b>-11,500</b>		<b>35,647</b>
	<b>Quick Reaction Special Projects</b>		<b>47,147</b>						<b>47,147</b>
	<b>FY 2020 Appropriated Base</b>		<b>47,147</b>						<b>47,147</b>
	2 / Prior year carryover						-11,500		-11,500
03	0603833D8Z		<b>19,376</b>						<b>19,376</b>
	<b>Engineering Science &amp; Technology</b>		<b>19,376</b>						<b>19,376</b>
	<b>FY 2020 Appropriated Base</b>		<b>19,376</b>						<b>19,376</b>
03	0603924D8Z		<b>85,223</b>				<b>-4,500</b>		<b>80,723</b>
	<b>High Energy Laser Advanced Technology Program</b>		<b>85,223</b>						<b>85,223</b>
	<b>FY 2020 Appropriated Base</b>		<b>85,223</b>						<b>85,223</b>
	2 / Early to need						-4,500		-4,500

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
03	0603941D8Z	Test & Evaluation Science & Technology	175,574				16,000	191,574
		FY 2020 Appropriated Base	175,574					175,574
	1 /	Program increase - test resource management center					16,000	16,000
03	0603950D8Z	National Security Innovation Network	25,000				15,000	40,000
		FY 2020 Appropriated Base	25,000					25,000
	1 /	Program increase - national security technology accelerator					15,000	15,000
03	0604055D8Z	Operational Energy Capability Improvement	70,536				-5,636	64,900
		FY 2020 Appropriated Base	70,536					70,536
	1 /	Program increase					5,000	5,000
	2 /	Excess growth					-10,636	-10,636
03	0303310D8Z	CWMD Systems	28,907					28,907
		FY 2020 Appropriated Base	28,907					28,907
Subtotal Budget Activity 03: Advanced Technology Development			1,342,285				120,087	1,462,372
Budget Activity 04: Advanced Component Development And Prototypes								
04	0603161D8Z	Nuclear and Conventional Physical Security Equipment RDT&E ADC&P	42,695					42,695
		FY 2020 Appropriated Base	42,695					42,695
04	0603600D8Z	WALKOFF	92,791					92,791
		FY 2020 Appropriated Base	92,791					92,791
04	0603821D8Z	Acquisition Enterprise Data & Information Services	5,659					5,659
		FY 2020 Appropriated Base	5,659					5,659
04	0603851D8Z	Environmental Security Technical Certification Program	66,572				2,000	68,572
		FY 2020 Appropriated Base	66,572					66,572
	1 /	Program increase - technology demonstration program					2,000	2,000
04	0603920D8Z	Humanitarian Demining	10,820				3,880	14,700
		FY 2020 Appropriated Base	10,820					10,820
	1 /	Program increase					3,880	3,880
04	0603923D8Z	Coalition Warfare	11,316					11,316
		FY 2020 Appropriated Base	11,316					11,316
04	0604016D8Z	Department of Defense Corrosion Program	3,365				9,800	13,165
		FY 2020 Appropriated Base	3,365					3,365
	1 /	Program increase					2,000	2,000
	1 /	Program increase - coatings technologies					5,000	5,000
	1 /	Program increase - military painter training and applied research					2,800	2,800
04	0604132D8Z	Missile Defeat Project	17,816				-3,000	14,816
		FY 2020 Appropriated Base	17,816					17,816
	2 /	Insufficient justification					-3,000	-3,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>04 0604250D8Z</b>								
<b>Advanced Innovative Technologies</b>		<b>1,312,735</b>				<b>-179,370</b>		<b>1,133,365</b>
<b>FY 2020 Appropriated Base</b>		<b>1,312,735</b>						<b>1,312,735</b>
1 / Program increase - micro nuclear reactor program						70,000		70,000
1 / Program increase - advanced technologies to support operational agility, fleet sustainability, and offset advantage						15,000		15,000
2 / Unjustified program growth						-80,000		-80,000
2 / Insufficient justification						-174,370		-174,370
2 / Undistributed reduction						-10,000		-10,000
<b>04 0604294D8Z</b>								
<b>Trusted &amp; Assured Microelectronics</b>		<b>542,421</b>				<b>5,000</b>		<b>547,421</b>
<b>FY 2020 Appropriated Base</b>		<b>542,421</b>						<b>542,421</b>
1 / Program increase - supply chain risk management						5,000		5,000
<b>04 0604331D8Z</b>								
<b>Rapid Prototyping Program</b>		<b>100,957</b>				<b>-28,606</b>		<b>72,351</b>
<b>FY 2020 Appropriated Base</b>		<b>100,957</b>						<b>100,957</b>
2 / Reduce duplication						-28,606		-28,606
<b>04 0604341D8Z</b>								
<b>Defense Innovation Unit (DIU) Prototyping</b>		<b>92,000</b>				<b>-75,000</b>		<b>17,000</b>
<b>FY 2020 Appropriated Base</b>		<b>92,000</b>						<b>92,000</b>
2 / insufficient justification - National Security Innovation Capital project						-75,000		-75,000
<b>04 0604400D8Z</b>								
<b>Department of Defense (DoD) Unmanned System Common Development</b>		<b>3,021</b>				<b>4,000</b>		<b>7,021</b>
<b>FY 2020 Appropriated Base</b>		<b>3,021</b>						<b>3,021</b>
1 / Program increase - unmanned traffic management						4,000		4,000
<b>04 0604682D8Z</b>								
<b>Wargaming and Support for Strategic Analysis (SSA)</b>		<b>3,751</b>						<b>3,751</b>
<b>FY 2020 Appropriated Base</b>		<b>3,751</b>						<b>3,751</b>
<b>04 0303191D8Z</b>								
<b>Joint Electromagnetic Technology (JET) Program</b>		<b>3,191</b>						<b>3,191</b>
<b>FY 2020 Appropriated Base</b>		<b>3,191</b>						<b>3,191</b>
<b>04 0604011D8Z</b>								
<b>Defense Next Generation Information Communications Technology (5G)</b>						<b>200,000</b>		<b>200,000</b>
<b>FY 2020 Appropriated Base</b>								
1 / Program increase						200,000		200,000
<b>Subtotal Budget Activity 04: Advanced Component Development And Prototypes</b>		<b>2,309,110</b>				<b>-61,296</b>		<b>2,247,814</b>

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						<b>2020</b>		
Line Item	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 05: System Development and Demonstration</b>								
<b>05 0604161D8Z Nuclear and Conventional Physical Security Equipment RDT&amp;E SDD</b>		11,276						11,276
<b>FY 2020 Appropriated Base</b>		11,276						11,276
<b>05 0604165D8Z Prompt Global Strike Capability Development</b>		107,000				44,000		151,000
<b>FY 2020 Appropriated Base</b>		107,000						107,000
1 / Program increase - Joint Hypersonics Transition Office						100,000		100,000
2 / Transfer to RDT&E,A line 100						-31,000		-31,000
2 / Classified reduction						-25,000		-25,000
<b>05 0604771D8Z Joint Tactical Information Distribution System (JTIDS)</b>		40,102				14,000		54,102
<b>FY 2020 Appropriated Base</b>		40,102						40,102
1 / Program increase - encrypted and authenticated data in transit						5,500		5,500
1 / Program increase - integrated kinetic and non-kinetic nodal analysis						8,500		8,500
<b>05 0605022D8Z Defense Exportability Program</b>		17,615				-5,500		12,115
<b>FY 2020 Appropriated Base</b>		17,615						17,615
2 / Excess growth						-5,500		-5,500
<b>05 0605027D8Z OUSD(C) IT Development Initiatives</b>		15,653				-6,063		9,590
<b>FY 2020 Appropriated Base</b>		15,653						15,653
2 / Prior year carryover						-6,063		-6,063
<b>05 0605075D8Z CMO Policy and Integration</b>		1,618						1,618
<b>FY 2020 Appropriated Base</b>		1,618						1,618
<b>05 0605210D8Z Defense-Wide Electronic Procurement Capabilities</b>		9,619						9,619
<b>FY 2020 Appropriated Base</b>		9,619						9,619
<b>05 0605294D8Z Trusted &amp; Assured Microelectronics</b>		175,032						175,032
<b>FY 2020 Appropriated Base</b>		175,032						175,032
<b>05 0305304D8Z DoD Enterprise Energy Information Management (EEIM)</b>		4,373						4,373
<b>FY 2020 Appropriated Base</b>		4,373						4,373
<b>05 0305310D8Z CWMD Systems: System Development and Demonstration</b>		12,854						12,854
<b>FY 2020 Appropriated Base</b>		12,854						12,854
<b>Subtotal Budget Activity 05: System Development and Demonstration</b>		395,142				46,437		441,579



Base for Reprogramming Actions								
(Dollars in Thousands)								
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Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
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<b>Budget Activity 06: Management Support</b>								
<b>06 0604774D8Z</b>								
Defense Readiness Reporting System (DRRS)		9,724						9,724
FY 2020 Appropriated Base		9,724						9,724
<b>06 0604875D8Z</b>								
Joint Systems Architecture Development		9,593						9,593
FY 2020 Appropriated Base		9,593						9,593
<b>06 0604940D8Z</b>								
Central Test and Evaluation Investment Development (CTEIP)		260,267				130,425		390,692
FY 2020 Appropriated Base		260,267						260,267
1 / Program increase - hypersonic test facilities						20,000		20,000
1 / Program increase - hypersonics ground testing in support of National Defense Strategy						45,625		45,625
1 / Program increase - sapce test infrastructure in support of National Defense Strategy						7,000		7,000
1 / Program increase - flight test infrastructure in support of National Defense Strategy						12,500		12,500
1 / Program increase - directed energy infrastructure in support of National Defense Strategy						20,000		20,000
1 / Program increase - cyber infrastructure in support of National Defense Strategy						10,000		10,000
1 / Program increase - cyber resiliency						3,000		3,000
1 / Program increase - defense threat center of excellence						12,300		12,300
<b>06 0604942D8Z</b>								
Assessments and Evaluations		30,834						30,834
FY 2020 Appropriated Base		30,834						30,834
<b>06 0605100D8Z</b>								
Joint Mission Environment Test Capability (JMETC)		83,091				6,000		89,091
FY 2020 Appropriated Base		83,091						83,091
1 / Program increase						6,000		6,000
<b>06 0605104D8Z</b>								
Technical Studies, Support and Analysis		18,079						18,079
FY 2020 Appropriated Base		18,079						18,079
<b>06 0605142D8Z</b>								
Systems Engineering		37,140						37,140
FY 2020 Appropriated Base		37,140						37,140
<b>06 0605151D8Z</b>								
Studies and Analysis Support - OSD		4,759						4,759
FY 2020 Appropriated Base		4,759						4,759
<b>06 0605161D8Z</b>								
Nuclear Matters-Physical Security		8,307						8,307
FY 2020 Appropriated Base		8,307						8,307

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title:						Fiscal Year Program:		
<b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						<b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
06 0605170D8Z	Support to Networks and Information Integration		9,441					9,441
	FY 2020 Appropriated Base		9,441					9,441
06 0605200D8Z	General Support to USD (Intelligence)		1,700				18,500	20,200
	FY 2020 Appropriated Base		1,700					1,700
1 /	Program increase - applied research laboratory for intelligence and security						12,000	12,000
1 /	Program increase						6,500	6,500
06 0605790D8Z	Small Business Innovation Research (SBIR)/ Small Business Technology Transfer		3,568					3,568
	FY 2020 Appropriated Base		3,568					3,568
06 0605797D8Z	Maintaining Technology Advantage		19,936				1,000	20,936
	FY 2020 Appropriated Base		19,936					19,936
1 /	Program increase - Securing American Science and Technology						3,000	3,000
2 /	Excess growth						-2,000	-2,000
06 0605798D8Z	Defense Technology Analysis		16,875				-1,000	15,875
	FY 2020 Appropriated Base		16,875					16,875
1 /	Program increase - technology transition						3,000	3,000
2 /	Prior year carryover						-4,000	-4,000
06 0605804D8Z	Development Test and Evaluation		22,203					22,203
	FY 2020 Appropriated Base		22,203					22,203
06 0606100D8Z	Budget and Program Assessments		8,017					8,017
	FY 2020 Appropriated Base		8,017					8,017
06 0606225D8Z	ODNA Technology and Resource Analysis		3,194					3,194
	FY 2020 Appropriated Base		3,194					3,194
06 0203345D8Z	Defense Operations Security Initiative (DOSI)		3,037				5,000	8,037
	FY 2020 Appropriated Base		3,037					3,037
1 /	Program increase - cyber kinetic combat environment						5,000	5,000
06 0303260D8Z	Defense Military Deception Program Office (DMDPO)		1,014					1,014
	FY 2020 Appropriated Base		1,014					1,014
06 0305245D8Z	Intelligence Capabilities and Innovation Investments		21,081				-5,210	15,871
	FY 2020 Appropriated Base		21,081					21,081
2 /	Insufficient justification						-5,210	-5,210
06 0307588D8Z	Algorithmic Warfare Cross Functional Teams		221,235					221,235
	FY 2020 Appropriated Base		221,235					221,235
06 0605128D8Z	CLASSIFIED PROGRAM USD(P)						104,000	104,000
	FY 2020 Appropriated Base							
1 /	Classified adjustment						104,000	104,000
Subtotal Budget Activity 06: Management Support			793,095				258,715	1,051,810

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
<b>Budget Activity 07: Operational System Development</b>								
07	0607210D8Z							
	Industrial Base Analysis and Sustainment Support		10,051				94,000	104,051
	FY 2020 Appropriated Base		10,051					10,051
	1 / Program increase						10,000	10,000
	1 / Program increase - submarine workforce development						8,000	8,000
	1 / Program increase - manufacturing engineering						12,500	12,500
	1 / Program increase - advanced armor piercing penetrator						12,000	12,000
	1 / Program increase - lead-free electronics						5,000	5,000
	1 / Program increase - precision optics manufacturing						7,500	7,500
	1 / Program increase - machine and advanced manufacturing						20,000	20,000
	1 / Program increase - automated textile manufacturing						9,000	9,000
	1 / Program increase - interdisciplinary center for advanced manufacturing systems						5,000	5,000
	1 / Program increase - rare earth elements from coal ash						5,000	5,000
07	0607310D8Z		12,734					12,734
	CWMD Systems: Operational Systems Development		12,734					12,734
	FY 2020 Appropriated Base		12,734					12,734
07	0303140D8Z		67,631					67,631
	Information Systems Security Program		67,631					67,631
	FY 2020 Appropriated Base		67,631					67,631
07	0305186D8Z		6,301					6,301
	Policy R&D Programs		6,301					6,301
	FY 2020 Appropriated Base		6,301					6,301
07	0305199D8Z		21,384					21,384
	Net Centricity		21,384					21,384
	FY 2020 Appropriated Base		21,384					21,384
07	0305387D8Z		2,221					2,221
	Homeland Defense Technology Transfer Program		2,221					2,221
	FY 2020 Appropriated Base		2,221					2,221
Subtotal Budget Activity 07: Operational System Development			120,322				94,000	214,322
Subtotal Office of the Secretary of Defense			5,290,131				562,143	5,852,274
Space Development Agency								
Budget Activity 03: Advanced Technology Development								
03	1206310SDA							
	Space Science and Technology Research and Development		20,000					20,000
	FY 2020 Appropriated Base		20,000					20,000
Subtotal Budget Activity 03: Advanced Technology Development			20,000					20,000
Budget Activity 04: Advanced Component Development And Prototypes								
04	1206410SDA							
	Space Technology Development and Prototyping		85,000				-10,000	75,000
	FY 2020 Appropriated Base		85,000					85,000
	2 / Insufficient justification						-10,000	-10,000
Subtotal Budget Activity 04: Advanced Component Development And Prototypes			85,000				-10,000	75,000
Subtotal Space Development Agency			105,000				-10,000	95,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Special Operations Command</b>								
<b>Budget Activity 02: Applied Research</b>								
<b>02 1160401BB</b>								
SOF Technology Development		40,569				-3,000		37,569
FY 2020 Appropriated Base		40,569						40,569
2 / Underexecution						-3,000		-3,000
<b>Subtotal Budget Activity 02: Applied Research</b>		40,569				-3,000		37,569
<b>Budget Activity 03: Advanced Technology Development</b>								
<b>03 1160402BB</b>								
SOF Advanced Technology Development		89,154				10,250		99,404
FY 2020 Appropriated Base		89,154						89,154
1 / Program increase - ballistic and laser protective eyewear						4,250		4,250
1 / Program increase - identity management						6,000		6,000
<b>Subtotal Budget Activity 03: Advanced Technology Development</b>		89,154				10,250		99,404
<b>Budget Activity 07: Operational System Development</b>								
<b>07 0305208BB</b>								
Distributed Common Ground/Surface Systems		6,359						6,359
FY 2020 Appropriated Base		6,359						6,359
<b>07 1105219BB</b>								
MQ-9 UAV		20,697						20,697
FY 2020 Appropriated Base		20,697						20,697
<b>07 1160403BB</b>								
Aviation Systems		245,795				21,900		267,695
FY 2020 Appropriated Base		245,795						245,795
1 / Program increase - loitering missile						8,000		8,000
1 / Program increase - aviation systems, future vertical lift						8,000		8,000
2 / IMTS - unjustified growth						-2,500		-2,500
RFCM - SOCOM requested transfer from P,DW line 61						8,400		8,400
<b>07 1160405BB</b>								
Intelligence Systems Development		15,484						15,484
FY 2020 Appropriated Base		15,484						15,484
<b>07 1160408BB</b>								
Operational Enhancements		167,648				-7,000		160,648
FY 2020 Appropriated Base		166,922						166,922
2 / Classified adjustment						-7,000		-7,000
FY 2020 OCO (Title IX)		726						726
<b>07 1160431BB</b>								
Warrior Systems		68,332				13,182		81,514
FY 2020 Appropriated Base		62,332						62,332
1 / Program increase - small glide munition UAS integration						3,000		3,000
1 / Program increase - distribute audio media and next generation loudspeaker						4,000		4,000
1 / Program increase - SGM collaborative strike enhancement						10,000		10,000
2 / Prior year carryover						-3,818		-3,818
FY 2020 OCO (Title IX)		6,000						6,000

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
07	1160432BB	Special Programs	21,805				-800	21,005
		FY 2020 Appropriated Base	21,805					21,805
	1 /	Program increase - enhanced visual augmentation system					3,200	3,200
	2 /	Classified adjustment					-4,000	-4,000
07	1160434BB	Unmanned ISR	42,377					42,377
		FY 2020 Appropriated Base	37,377					37,377
		FY 2020 OCO (Title IX)	5,000					5,000
07	1160480BB	SOF Tactical Vehicles	11,150					11,150
		FY 2020 Appropriated Base	11,150					11,150
07	1160483BB	Maritime Systems	72,626					72,626
		FY 2020 Appropriated Base	72,626					72,626
	1 /	Program increase - driver propulsion device					3,000	3,000
	2 /	DCS - poor justification materials					-3,000	-3,000
07	1160489BB	Global Video Surveillance Activities	5,363					5,363
		FY 2020 Appropriated Base	5,363					5,363
07	1160490BB	Operational Enhancements Intelligence	12,962				-3,000	9,962
		FY 2020 Appropriated Base	12,962					12,962
	2 /	Underexecution					-3,000	-3,000
Subtotal Budget Activity 07: Operational System Development			690,598				24,282	714,880
Subtotal Special Operations Command			820,321				31,532	851,853
The Joint Staff								
Budget Activity 04: Advanced Component Development And Prototypes								
04	0604826J	Joint C5 Capability Development, Integration and interoperability Assessments	20,062					20,062
		FY 2020 Appropriated Base	20,062					20,062
Subtotal Budget Activity 04: Advanced Component Development And Prototypes			20,062					20,062
Budget Activity 06: Management Support								
06	0603829J	Joint Capability Experimentation	13,000					13,000
		FY 2020 Appropriated Base	13,000					13,000
06	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	70,038				-7,233	62,805
		FY 2020 Appropriated Base	70,038					70,038
	2 /	Excess growth					-7,233	-7,233
06	0204571J	Joint Staff Analytical Support	9,216					9,216
		FY 2020 Appropriated Base	9,216					9,216
06	0303166J	Support to Information Operations (IO) Capabilities	553					553
		FY 2020 Appropriated Base	553					553

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021 (0400D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item		Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action
a		Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h Amount i
06	0804768J		40,073					40,073
	COCOM Exercise Engagement and Training Transformation (CE2T2) - non-MHA							
	FY 2020 Appropriated Base		40,073					40,073
	Subtotal Budget Activity 06: Management Support		132,880				-7,233	125,647
	Budget Activity 07: Operational System Development							
07	0208043J		4,537					4,537
	Planning and Decision Aid System (PDAS)							
	FY 2020 Appropriated Base		4,537					4,537
	Subtotal Budget Activity 07: Operational System Development		4,537					4,537
	Subtotal The Joint Staff		157,479				-7,233	150,246
	Washington Headquarters Services							
	Budget Activity 06: Management Support							
06	0606589D8W		1,000					1,000
	Defense Digital Service (DDS) Development Support							
	FY 2020 Appropriated Base		1,000					1,000
	Subtotal Budget Activity 06: Management Support		1,000					1,000
	Subtotal Washington Headquarters Services		1,000					1,000
	Grand Total Research, Development, Test, and Evaluation, Defense-Wide, 2020/2021		25,174,903				1,157,384	26,332,287
	<i>Financing</i>							
	APPROPRIATION, P.L. 116-93 (Base)		24,346,953				1,591,074	25,938,027
	APPROPRIATION, P.L. 116-93 (OCO)		827,950				-433,690	394,260
	TOTAL FINANCING - FY 2020 PROGRAM		25,174,903				1,157,384	26,332,287
Footnotes:								
1 / One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.								
2 / This effort was specifically reduced by one or more of the congressional committees. Below Threshold Reprogramming (BTR) authority cannot be used to restore specific congressional reductions.								
For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

Base for Reprogramming Actions								
(Dollars in Thousands)								
Appropriation Account Title: <b>Operational Test and Evaluation, Defense, 2020/2021 (0460D)</b>						Fiscal Year Program: <b>2020</b>		
Line Item  a	Program Base Presented to Congress in Printed Justification		Approved Changes Prior to Final Congressional Action		Changes Reflecting Congressional Action/Intent		Program Base Reflecting Congressional/Presidential Action	
	Quantity b	Amount c	Quantity d	Amount e	Quantity f	Amount g	Quantity h	Amount i
<b>Budget Activity 06: Management Support</b>								
<b>06 0605118OTE</b> <b>Operational Test and Evaluation</b>		<b>93,291</b>						<b>93,291</b>
<b>FY 2020 Appropriated Base</b>		<b>93,291</b>						<b>93,291</b>
<b>06 0605131OTE</b> <b>Live Fire Test and Evaluation</b>		<b>69,172</b>						<b>69,172</b>
<b>FY 2020 Appropriated Base</b>		<b>69,172</b>						<b>69,172</b>
<b>06 0605814OTE</b> <b>Operational Test Activities and Analyses</b>		<b>58,737</b>				<b>6,500</b>		<b>65,237</b>
<b>FY 2020 Appropriated Base</b>		<b>58,737</b>						<b>58,737</b>
1 /    Program increase - advanced satellite navigation receiver						5,000		5,000
1 /    Program increase - cyber talent recruitment initiative						1,500		1,500
<b>Subtotal Budget Activity 06: Management Support</b>		<b>221,200</b>				<b>6,500</b>		<b>227,700</b>
<b>Grand Total Operational Test and Evaluation, Defense, 2020/2021</b>		<b>221,200</b>				<b>6,500</b>		<b>227,700</b>
<b>Financing</b>								
APPROPRIATION, P.L. 116-93 (Base)		221,200				6,500		227,700
<b>TOTAL FINANCING - FY 2020 PROGRAM</b>		<b>221,200</b>				<b>6,500</b>		<b>227,700</b>
<b>Footnotes:</b>  1 /    One of the congressional reports specifically provided funds for this item using the phrases "only for" or "only to," or the item appears in one of the project level tables. Congressional prior approval is required before decreasing funds on this program.  For Research, Development, Test, and Evaluation, the Below Threshold Reprogramming limitation is \$10 million or 20%, whichever is less, for each budget line item.								

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