



DEPARTMENT OF THE NAVY
CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON DC 20350-2000

March 22, 2019

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

Dear Mr. Chairman,

In accordance with 10 U.S. Code § 222(a), I am submitting the enclosed list of unfunded contributors to naval power for Fiscal Year (FY) 2020. I am grateful for the hard work of Congress over the past three budget cycles to provide funding levels that accelerated readiness recovery and provided a path to a more lethal Navy. The FY20 budget submission sustains these trends and reflects the best balance and prioritization for the Navy in an era of great power competition. The budget submission continues our commitment to the undersea leg of the nuclear triad; sustains resilient, combat-credible forces; accelerates key technologies; improves lethality and survivability vs. peer competitors; increases shipbuilding and sustains aviation capacity. My highest priority FY20 request is for enactment of the FY20 President's Budget at the start of the fiscal year, enabling the Navy to sustain critical forward momentum without the widespread program and readiness disruption and major inefficiencies of a Continuing Resolution. As specified by 10 U.S. Code § 222(a), the enclosed list provides recommendations for requirements that have emerged since the budget was formulated as well as recommendations to achieve increased lethality should additional funding become available for FY20.

This includes:

Submarine and Ship Maintenance and Cruiser (CG) Modernization. FY19 Ship Depot Maintenance and Modernization financial shortfalls associated with work scope and pricing growth, and the shift of two submarines from public to private shipyards to address shipyard capacity constraints, have resulted in additional FY20 costs that will impact operational availability if not addressed.

Critical Munitions. Opportunities exist to accelerate procurement of several key munitions to achieve warfighting and training objectives to compete, deter, and win against near-peer competitors, and directly support Combatant Commander requests for these critical capabilities and quantities.

Information Technology (IT). The Navy is committed to IT system modernization which provides compelling performance improvements in logistics, operations, and intermediate-level maintenance. Critical modernization needs include accelerating manpower, personnel, training, and education systems and architecture to improve service to our Sailors and families and eliminate redundant Navy manpower systems.

Aviation Readiness. Increased funding for F/A-18E/F 'Super Hornet' engine spares supports the September 2018 Secretary of Defense direction to achieve 80 percent mission capability for these combat forces.

Shore Readiness. Additional funds would restore FY19 funding for Navy facilities sustainment which Navy reprioritized to repair emergent damage sustained during Hurricanes Florence and Michael to facilities in Panama City, FL, Cherry Point, NC, Norfolk, VA, and Beaufort, NC. Specified Military Construction funding will fund the SEAWOLF Submarine Service Pier in Kitsap, WA, increasing lethality, capacity, and capability, while enabling new platforms and missions. Family housing funding can accelerate Navy oversight, mitigation, and recapitalization of emergent public-private venture (PPV) housing challenges. Additional funding can also accelerate investment in the Aircraft Paint Complex needed at Naval Base Coronado which will directly contribute to increased aircraft throughput in support of 80 percent mission capability goals.

Lethality requirements recommended for funding if additional resources are available:

The employment of naval power in great power competition requires the concept of Distributed Maritime Operations (DMO). The Navy's 2020 program funds DMO capabilities; the attached list provides key opportunities to accelerate required expeditionary anti-submarine warfare, directed energy, distributed logistics, emergency medical support, counter-surveillance, electromagnetic warfare, and counter-drone capabilities.

If I can be of any further assistance, please let me know. A similar letter has been sent to Chairmen Smith, Shelby, and Chairwoman Lowey.

Sincerely,



J. M. RICHARDSON

Enclosures:
As stated

Copy to:
The Honorable Jack Reed
Ranking Member



DEPARTMENT OF THE NAVY
CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON DC 20350-2000

March 22, 2019

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

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Sincerely,



J. M. RICHARDSON

Enclosures:
As stated

Copy to:
The Honorable William M. "Mac" Thornberry
Ranking Member

NAVY FISCAL YEAR 2020 UNFUNDED PRIORITIES LIST

Priority	Navy FY20 Unfunded Priorities	Appn	BLI	PE	TY\$M
1	Ship Depot Maintenance Funding Shortfall				\$814.0
	SSN Maintenance Shortfall	OMN	184B	0204281N	\$653.0
	Ship Maintenance Shortfall	OMN	184B	0204222N	\$161.0
2	Converting T-EPF into an Expeditionary Medical Transport	SCN	5300	0208058N	\$49.0
3	High Priority Ordnance				\$258.9
	Quick Strike Joint Direct Attack Munitions (JDAM/ER)	RD TEN	0267	0604601N	\$71.3
	AIM-9X Bk II Sidewinder procurement increase (from 292 to 375)	WPN	2209	0204162N	\$34.2
	Naval Strike Missile (38 additional missiles to meet shipfill for procured systems)	WPN	2292	0204228N	\$62.0
	Sonobuoys to account for FY18 operational expenditures	OPN	4048	0204271N	\$50.0
	MK 48 Heavyweight Torpedo procurement increase (from 58 to 71)	WPN	3117	0204284N	\$16.0
	LRASM Increase procurement +7 to max capacity	WPN	2291	0204167N	\$25.4
4	F/A-18 E/F Super Hornet Engine Spares	APN	0605	0204161N	\$52.0
5	CG Modernization				\$171.6
	Cruiser Modernization Procurement	OPN	0960	0204162N	\$57.5
	Cruiser Modernization Installation	OMN	184B	0204221N	\$51.8
	Cruiser Modernization Installation	OMN	185B	0204221N	\$62.3
6	Emergent Public Private Venture (PPV) Housing Mitigation and Oversight	FHOPS	120000	0808545N	\$59.6
7	Accelerate MPT&E Transformation				\$247.0
	Authoritative Data Environment (ADE)	OMN	4A4M	0804800N	\$12.9
	Customer Relationship Manager (CRM)	OMN	1C1C	0804800N	\$20.2
	Governance and Organizational Change	OMN	4A4M	0804800N	\$46.4
	IT Infrastructure	OMN	4A4M	0804800N	\$14.3
	Legacy System Sustainment	OMN	4A4M	0804800N	\$18.6
	Learning Stack (LS)	OMN	3B1K	0804800N	\$3.6
	MyNavy Career Center (MNCC)	OMN	4A4M	0804800N	\$21.7
	Navy Personnel and Pay (NP2)	OMN	4A4M	0804800N	\$20.7
	Payroll and Accounting Functions	OMN	4A4M	0804800N	\$13.5
	Project Management	OMN	4A4M	0804800N	\$21.7
	IT Scaffolding	OMN	4A4M	0804800N	\$41.5
	Single Point of Entry (SPOE)	OMN	3B4K	0804800N	\$8.9
	Talent Acquisition Onboarding Centers (TAOC)	OMN	4A4M	0804800N	\$3.0
8	P834, Kitsap SEAWOLF Service Pier Cost-to-Complete	MCN	68436834	0212176N	\$48.0
9	P1022 Aircraft Paint Complex	MCN	002461022	0212876N	\$79.0
10	Restores FY19 FSRM funds diverted for Hurricanes Michael and Florence Damage Repair in Panama City, FL, Cherry Point, NC, Norfolk, VA, and Beaufort, NC				\$186.1
	Facilities and Sustainment	OMN	85M1	0203176N	\$57.4
	Facilities and Sustainment	NWCF	007100	0702975N	\$23.4
	Facilities and Sustainment	NWCF	006500	0702975N	\$105.3
	Total				\$1,965.20

Priority	Lethality Requirements: Recommended For Funding if Additional Resources Are Available	Appn	BLI	PE	TY\$M
11	P-8A Poseidon (+ 2 A/C) (From 6 to 8) in FY20	APN	0193	0204251N	\$393.0
12	High Energy Laser and Integrated Optical-Dazzler with Surveillance (HELIOS)	OPN	5231	0204228N	\$80.0
13	Expeditionary Surveillance Towed Array Sensor System +1 Kit	OPN	2237	0204313N	\$53.0
14	DRAKE (Drone Restricted Access using Known Electronic Warfare)/JCREW (Joint Counter Radio Controlled Electronic Warfare) Procurement				\$56.0
	Procurement of additional Drake systems and conversion from JCREW (USFF and INDOPACOM)	OPN	5509	0205671	\$39.0
	Sustainment for Drake systems	OMN	5509	0205671	\$11.0
	Software development, advancement and conversion for Drake	RD TEN	3177	0603654	\$6.0
15	F-35C Lightning II (+2 A/C)	APN	0147	0204146N	\$240.0
16	E-2D Acceleration (+ 2 A/C)	APN	0195	0204152N	\$346.5
17	Logistics Improvements				\$22.0
	NOBLE Logistics IT	RD TEN	0604231N	0604231N	\$13.0
	Digital Transformation System	RD TEN	4A1N	0902368N	\$9.0
18	Next Generation Enterprise Network (NGEN) Modernization	OPN	8164	0303113N	\$41.0
19	Hull Mechanical & Electrical Upgrades for DDG51 Class	OPN	0200	0204228N	\$19.0
20	Counter ISR/Electromagnetic Maneuver for Distributed Maritime Operations				\$17.0
	Electromagnetic Maneuver Warfare (EMW) -Integrated Fires Integration for SSEE Family of Systems	RD TEN	2134	0304785	\$9.0
	Ships Signals Exploitation Equipment Space Expansion for FLT I DDGs	OPN	2360	0304575	\$8.0
	Total				\$1,267.50

Navy Fiscal Year 2020 Unfunded Priorities List Descriptions

1. Ship Depot Maintenance Funding Shortfall - \$814M

Funding to move SSN maintenance to private shipyards due to public shipyard capacity constraints. Total includes \$290M for BOISE, \$306M for HARTFORD, and \$57M for COLUMBUS.

Surface Ship: \$40M for deferred maintenance availabilities for STOCKDALE and MICHAEL MURPHY. \$70M for additional Continuous Maintenance Availabilities to recover the deferred maintenance backlog created in FY19. \$43M for Naval Shipyard direct material and overhead/non-labor minor property, \$6M for TYCOM direct material, and \$2M for Southwest Regional Maintenance Center overhead/non-labor.

2. Converting a T-EPF into an Expeditionary Medical Transport (EMT) - \$49M

Converts Expeditionary Fast Transport ship (T-EPF 14) into an Expeditionary Medical Transport (EMT) to support Role 2 Enhanced Medical Requirements. The EMT will provide "Ambulance" type medical services in support of Distributed Maritime Operations. The EMT will be implemented via an engineering change proposal (ECP) modification to the shipbuilding contract.

3. High Priority Ordnance - \$259M

Quickstrike Joint Direct Attack Munition Extended Range - \$71M

Quickstrike Joint Direct Attack Munition (JDAM) Extended Range builds upon Quickstrike JDAM precision emplacement by adding a glide kit increasing the standoff range. Requested funding transitions the wing kit developed under a Joint Capability Technology Demonstration (JCTD), for extended range of a Mk 84 series bomb and delivery from a single aircraft type (B-52).

AIM 9-X Blk II Sidewinder procurement increase (from 292 to 375) - \$34M

AIM 9-X Blk II Sidewinder is below the Total Munitions Requirement. Procures 83 additional AIM-9X Blk II tactical missiles to achieve industry's maximum production capacity in FY20. This increase will also maintain a steady ramp from PB19 procurement of 311 missiles.

Naval Strike Missile (38 additional missiles to meet shipfill for procured systems) - \$62M

Naval Strike Missile (NSM) is below the Total Munitions Requirement. Procures 38 additional missiles, increasing total inventory to 64 by FY22 to support shipfill requirements of the eight (8) LCS equipped with NSM systems.

Sonobuoys to account for FY18 operational expenditures - \$50M

Funds the recapitalization of the sonobuoys expended during unplanned FY18 operations and procures additional sonobuoys for forward deployed staging requirements.

MK 48 Heavyweight Torpedo procurement increase (from 58 to 71) - \$16M

MK 48 Heavyweight Torpedo (HWT) is below the Total Munitions Requirement. Procures 13 additional MK 48 HWT to reduce the gap in meeting the Navy's Total Munitions Requirement. Increasing FY20 procurement to 71 will match the procurement quantity in FY21, when a new production contract will be awarded.

LRASM Increase procurement to max capacity (+7) - \$25M

Long Range Anti-Ship Missile (LRASM) is below the Total Munitions Requirement. Procures seven (7) additional LRASM missiles to achieve industry's maximum production capacity in FY20. This increase will also maintain a steady ramp from the PB19 procurement of 34 missiles.

4. F/A-18 E/F Super Hornet Engine Spares - \$52M

Procures additional spare engines and engine modules to achieve and sustain 80% Mission Capable Rate on the F/A-18 E/F Super Hornets. Procures eight (8) F414 whole engines, seventeen (17) F414 afterburner modules, and seventeen (17) F414 low pressure turbine modules.

5. CG Modernization (CG 65 and CG 69) - \$172M

Based on higher than planned contract costs for CG 63 and CG 64 modernization availabilities, funding is required for follow-on ship installations. Request supports completion of the availabilities for CG 65 and CG 69.

6. Public-Private Venture (PPV) Oversight and Mitigation - \$60M

Family housing operations funding would improve oversight and management of emergent PPV housing challenges, increase home inspections, and accelerate recapitalization of family housing.

7. Accelerate Manpower, Personnel, Training and Education (MPT&E) Transformation - \$247M

Accelerates delivery of transformation to achieve manpower efficiencies of up to \$1B by FY25 with sustained annual savings of approximately \$300M in the outyears. Enables FY23 delivery of MPT&E data systems and architecture in order to improve service to our Sailors and families, and eliminate redundant and obsolete Navy manpower system.

8. P834, Kitsap SEAWOLF Service Pier Cost-to-Complete - \$48M

Allows co-location of SEAWOLF-class submarines, including JIMMY CARTER, funding facilities necessary for waterfront operations.

9. P1022, Aircraft Paint Complex - \$79M

Provides a corrosion control and finish paint facility to Fleet Readiness Center Southwest (FRCSW) Naval Base Coronado, CA, in order to address substantial growth to mission for numerous aircraft platforms. Per Title 10 USC 2464, FRCSW must maintain surge capacity to meet operational contingency. All Navy Fleet west coast carrier-based aircraft use FRCSW corrosion control/paint and finishing services for Depot Maintenance, Repair & Overhaul (MRO) events. Lack of available workspace contributes to constrained depot throughput rates.

10. Facilities Sustainment Restoration Modernization for Hurricane Damage Repair - \$186M

Restores FY19 funds for Navy facilities sustainment which Navy reprioritized to repair emergent damage sustained during Hurricanes Florence and Michael to facilities in Panama City, FL, Cherry Point, NC, Norfolk, VA, and Beaufort, NC.

Lethality requirements recommended for funding if additional resources are available:

11. P-8A Poseidon (+ 2 A/C) (From 6 to 8) - \$393M

Supports the recapitalization of the Maritime Patrol and Reconnaissance Reserve Force toward the requirement of 138 P-8A aircraft. Total cost includes initial spares.

12. High Energy Laser with Integrated Optical-Dazzler and Surveillance (HELIOS) (+1 shipboard system) - \$80M

Procures one (1) HELIOS production laser weapon system including GFE and GFI and funds required for transition to production, government engineering and support costs. This additional shipboard unit will provide for increased warfighter learning, refined CONOPS and Tactics, Techniques and Procedures. This additional system will also support establishing the industrial base for laser weapon system components.

13. Expeditionary Surveillance Towed Array Sensor System (E-SURTASS) kit Qty (+1) - \$53M

Procures one additional E-SURTASS kit in addition to the one that first purchased through Maritime Accelerated Acquisition.

14. DRAKE (Drone Restricted Access using Known Electronic Warfare)/JCREW (Joint Counter Radio Controlled Electronic Warfare) Procurement- \$56M

Procures 386 Drake systems to fill the urgent operational need (UON) and Fleet requirements. OMN and RDTEN funds provide system sustainment and development of load sets to counter emerging threats.

15. F-35C Lightning II (+2 A/C) (From 10 to 12) - \$240M

Increases the production line capacity while aligning the force structure with requirements. Total includes initial spares.

16. E-2D Acceleration (+ 2 A/C) (From 4 to 6) - \$346M

Funds maximize the production line capacity while aligning the force structure with requirements. Total includes initial spares.

17. NOBLE LOG IT / Digital Transformation System (replaces legacy aviation/maritime O&I-level maintenance systems) - \$22M

Funds implementation of Naval Operations Business Logistics Enterprise (NOBLE) IT modernization effort and required Digital Transformation Team technical expertise. Current antiquated systems and processes are inefficient, cyber vulnerable, and lack financial auditability. NOBLE accelerates digitizing Fleet readiness by leveraging machine learning to reduce times for repair, resupply, refuel, and rearm. The Digital Transformation Team provides the integrated management support to ensure a viable end to end solution across afloat and ashore IT infrastructure and begins the consolidation of 230 logistics IT systems into an integrated digital logistics cloud.

18. Next Generation Enterprise Network (NGEN) Modernization - \$41M

Provides for OPN shortfall for necessary tech refresh, reduces infrastructure technical debt backlog, facilitates NGEN transition, sustainment and modernization, and addresses software license cost increase due to Enterprise Service License tech refresh and modernization mid-year requirements.

19. Hull Mechanical & Electrical (HM&E) Upgrades for DDG 51 Class - \$19M

Procures reliability upgrades to Integrated Bridge and Navigation System (IBNS) and associating systems, adding physical throttles to the Ship Control Console, a voyage data recorder, additional cameras to the digital video surveillance system, and software upgrades to the Steering and Propulsion Control System.

20. Counter ISR/Electromagnetic Maneuver for Distributed Maritime Operations - \$17M

Comprehensively addresses combat systems integration, intelligence fusion, data processing and battle management aids within the Ship's Signal Exploitation Equipment Family of Systems (SSEE FoS). Funds expansion of Ship's Signal Exploitation Space and installation of SSEE Modifications (SSEE Mods) on FLT I DDGs. Provides Counter-Intelligence Surveillance, Reconnaissance and Targeting (C-ISRT) capabilities. (details classified).