

116TH CONGRESS  
1ST SESSION

# H. R. 3181

To direct the Secretary of Defense to enter into a contract with an eligible institution to carry out research and education activities relating to military painting.

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## IN THE HOUSE OF REPRESENTATIVES

JUNE 10, 2019

Ms. FINKENAUER (for herself, Mrs. BUSTOS, Mr. LOEBSACK, Mr. RYAN, and Mr. TONKO) introduced the following bill; which was referred to the Committee on Armed Services

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## A BILL

To direct the Secretary of Defense to enter into a contract with an eligible institution to carry out research and education activities relating to military painting.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Military Readiness and  
5 Cost Savings Act”.

6 **SEC. 2. FINDINGS.**

7 Congress finds the following:

8 (1) The Bob Stump National Defense Author-  
9 ization Act for Fiscal Year 2003 (Public Law 107–

1 314), which passed with broad bipartisan support,  
2 established an Office of Corrosion Policy and Over-  
3 sight within the Office of the Under Secretary of  
4 Defense for Acquisition and Sustainment. The office  
5 was created to “oversee and coordinate efforts  
6 throughout the Department of Defense to prevent  
7 and mitigate corrosion of the military equipment and  
8 infrastructure of the Department”.

9 (2) Corrosion of the equipment and infrastruc-  
10 ture of the Department of Defense (referred to in  
11 this section as the “Department”) is expensive and  
12 impedes military readiness. According to a study  
13 commissioned by the Department’s Office of Corro-  
14 sion Policy and Oversight, corrosion costs the De-  
15 partment \$20.6 billion annually across all services.  
16 These costs comprise 21 percent of the Depart-  
17 ment’s total maintenance costs across all services.  
18 Corrosion is responsible for 11 percent, or roughly  
19 1.1 million, of all non-available days for Department  
20 assets.

21 (3) Chemical-agent-resistant-coatings, which  
22 help to protect military vehicles and equipment from  
23 chemical and biological weapons and severe environ-  
24 mental conditions that cause corrosion, can range in  
25 price from \$100 to \$800 per gallon. With approxi-

1 mately 3,760 assets of varying sizes painted at a  
2 typical Department depot per year, such coatings  
3 comprise a significant annual cost category for the  
4 operation of the facility and the maintenance of mili-  
5 tary assets, according to analysis from the South-  
6 west Research Institute.

7 (4) Military painter training and certification  
8 helps reduce waste and rework of military assets, re-  
9 ducing the costs associated with the application of  
10 chemical-agent-resistant-coatings. For example, one  
11 military painter training and certification provider  
12 helped Letterkenny Army Depot use 8,100 fewer  
13 gallons of such coatings per year, saving the depot  
14 \$500,000 per year through improved transfer effi-  
15 ciency and reduced rework, according to the South-  
16 west Research Institute.

17 (5) The Senate Report accompanying S. 1519  
18 (115th Congress; the National Defense Authoriza-  
19 tion Act for Fiscal Year 2018) included language  
20 recognizing the importance of military painter train-  
21 ing, noting that “paint training programs can save  
22 the Department time and funding resources by using  
23 advanced technology and equipment along with  
24 hands-on training to effectively apply coatings and  
25 reduce waste. Additionally, increasing coating trans-

1 fer efficiency and preventing corrosion and rework  
2 can improve asset readiness”.

3 (6) Investing in military painter and coating  
4 training and certification programs helps improve  
5 military readiness, increases safety for service mem-  
6 bers, and reduces paint costs. It is prudent for Con-  
7 gress to invest in research that will foster innova-  
8 tions in those areas.

9 (7) The importance of corrosion resistance goes  
10 beyond Department assets. Across nearly every sec-  
11 tor, corrosion is expensive and poses a safety risk to  
12 users. For example, decaying roads and bridges cost  
13 the United States economy \$5,000,000,000 a year,  
14 according to the National Association of Corrosion  
15 Engineers. Congress has a duty to pair Federal in-  
16 frastructure investment with corrosion management  
17 to ensure new and existing public infrastructure is  
18 built to last.

19 (8) The proper application of anticorrosion  
20 coatings requires a high degree of knowledge and  
21 skill. According to the International Union of Paint-  
22 ers and Allied Trades, a poorly executed corrosion  
23 prevention project will leave an asset unprotected,  
24 increase costs to repair or replace all or parts of it,  
25 and irresponsibly use taxpayer dollars. Using trained

1 and certified painters is the most effective way to  
2 ensure assets are truly protected from corrosion.

3 **SEC. 3. NATIONAL CENTER FOR MILITARY PAINTER TRAIN-**  
4 **ING AND APPLIED RESEARCH.**

5 (a) ESTABLISHMENT.—Chapter 131 of title 10,  
6 United States Code, is amended by inserting after section  
7 2228 the following new section:

8 **“§ 2228a. National Center for Military Painter Train-**  
9 **ing and Applied Research**

10 “(a) IN GENERAL.—The Secretary of Defense, acting  
11 through the Director of the Office of Corrosion Policy and  
12 Oversight, shall seek to enter into a contract with an eligi-  
13 ble institution under which the institution will carry out  
14 the functions described in subsection (c).

15 “(b) DESIGNATION.—The Secretary shall designate  
16 the institution that is awarded a contract under subsection  
17 (a) as the ‘National Center for Military Painting and Ap-  
18 plied Research’ (referred to in this section as the ‘Center’).

19 “(c) FUNCTIONS.—The Center shall—

20 “(1) serve as a testing facility for the applica-  
21 tion of new paint coatings developed by industry-  
22 leading research and development facilities;

23 “(2) partner with industry to assess the efficacy  
24 of specific blends of chemical-agent-resistant coating  
25 powder on certain military assets to assure max-

1       imum cost efficiency, coating effectiveness, and qual-  
2       ity finish;

3               “(3) expand training and certification programs  
4       for military painters to covered facilities that have  
5       an ongoing, unmet need for such programs;

6               “(4) develop new teaching tools, which may in-  
7       clude the use of virtual reality technology to enable  
8       trainees to simulate the painting of a variety of mili-  
9       tary assets;

10              “(5) develop online learning modules for train-  
11       ing military painters in the use of liquid and powder  
12       coatings;

13              “(6) explore the adoption of automated painting  
14       technologies while recognizing that the repair of cer-  
15       tain military assets is best performed manually;

16              “(7) provide on-site consultation and technical  
17       assistance at covered facilities to maximize cost effi-  
18       ciency, quality assurance, and operational effective-  
19       ness in painting and coating operations; and

20              “(8) conduct outreach to servicemembers at  
21       covered facilities, in coordination with Department  
22       of Defense and any appropriate skilled labor organi-  
23       zations, employers, and industry organizations with  
24       specialties in corrosion and painting, to raise aware-  
25       ness of military painter career opportunities and any

1 related industrial and commercial painting appren-  
2 ticeship opportunities for Veterans.

3 “(d) CONTRACT PROCEDURES.—A contract under  
4 subsection (a) shall be awarded in accordance with full  
5 and open competition (as that term is defined in chapter  
6 1 of title 41, United States Code).

7 “(e) PROVISION OF SERVICES FOR COAST GUARD.—  
8 The Secretary of Defense may enter into an agreement  
9 with the Secretary of the department in which the Coast  
10 Guard is operating under which the Center may provide,  
11 with or without reimbursement for the cost thereof, train-  
12 ing and other assistance to the Coast Guard in accordance  
13 with subsection (c).

14 “(f) ANNUAL REPORT.—Not later than September  
15 30 of each year covered by the contract under subsection  
16 (a), the Center shall submit to the Director of the Office  
17 of Corrosion Policy and Oversight a report that describes  
18 the progress of the Center in carrying out the functions  
19 described in subsection (c), including the progress of the  
20 Center in—

21 “(1) expanding training programs for military  
22 painters; and

23 “(2) conducting applied research relating to  
24 military painting.

25 “(g) DEFINITIONS.—In this section:

1           “(1) The term ‘eligible institution’ means an  
2           entity that—

3                   “(A) as of the date of the enactment of  
4                   this section, provides military painter training  
5                   programs that lead to a certification that is rec-  
6                   ognized by the Department of Defense;

7                   “(B) demonstrates the ability to establish  
8                   sustainable military painter operations at mul-  
9                   tiple covered facilities, including on military  
10                  bases and depots;

11                  “(C) has a proven ability to scale a mili-  
12                  tary painter training program to meet the needs  
13                  of multiple covered facilities, including by devel-  
14                  oping or expanding a certified train-the-trainer  
15                  program;

16                  “(D) demonstrates experience in devel-  
17                  oping and managing a military painter training  
18                  and certification program that has proven suc-  
19                  cess in achieving cost savings and unit readi-  
20                  ness through training in the prevention and  
21                  control of corrosion; and

22                  “(E) possesses the facilities and equipment  
23                  necessary to conduct applied research on the ef-  
24                  ficacy of military paint composites and coatings



1 and the transfer efficiency of such composites  
2 and coatings.

3 “(2) The term ‘covered facilities’ means—

4 “(A) the facilities of the Department of  
5 Defense, including the facilities of—

6 “(i) the Armed Forces;

7 “(ii) the reserve components, includ-  
8 ing the National Guard; and

9 “(iii) the Army Corps of Engineers;  
10 and

11 “(B) subject to an agreement under sub-  
12 section (e), the facilities of the Coast Guard.

13 “(h) AUTHORIZATION OF APPROPRIATIONS.—There  
14 are authorized to be appropriated to carry out this sec-  
15 tion—

16 “(1) \$2,000,000 for fiscal year 2020; and

17 “(2) \$3,000,000 for each of fiscal years 2021  
18 through 2023.”.

19 (b) CLERICAL AMENDMENT.—The table of sections  
20 at the beginning of such chapter is amended by inserting  
21 after the item relating to section 2228 the following new  
22 item:

“2228a. National Center for Military Painter Training and Applied Research.”.

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