

SEP 0 2 2015

The Honorable William M. "Mac" Thornberry Chairman Committee on Armed Services United States House of Representatives Washington, DC 20515-6035

Dear Mr. Chairman:

- (U) I have enclosed the Early Fielding Report on the *Virginia* class Block III submarine, required by Section 2399, Title 10, United States Code. This Early Fielding Report is submitted because the Navy deployed the first *Virginia* class BKIII submarine, USS *North Dakota* (SSN 784), on a specialized, two-month mission prior to completing Developmental Testing (DT) and Follow-on Operational Test and Evaluation (FOT&E).
- (U) The *Virginia* class BKIII submarine differs from its predecessor by incorporating several cost-saving design changes, principally, the replacement of the legacy, bow-mounted, Spherical Array (SA), which is the safety-of-ship sonar array, with a new conformal Large Aperture Bow (LAB) array; and the replacement of the 12 Vertical Launch System (VLS) tubes with two, re-configurable Virginia Payload Tubes (VPTs). These significant changes prompted the Navy to re-assess *Virginia's* performance in the mission areas of Anti-Submarine Warfare (ASW), Anti-Surface Warfare (ASuW), Strike Warfare (STW), and Intelligence (INT) while operating in a High-Density Contact Management (HDCM) region, with FOT&E currently scheduled for fiscal year 2016.

(U) In the report I conclude the following:

- (U) Data obtained from early DT, additional special testing focused on sonar
 performance, and at-sea observations, indicate the differences in the Virginia class
 BKIII submarine should not degrade ASW, ASuW, Naval Special Warfare
 (NSW), and INT mission capabilities relative to the Virginia class BKI/BKII
 variants. In particular, the new LAB array has the potential to perform as an
 adequate replacement for the legacy SA.
- (U) Section 2399 provides that the Secretary of Defense may submit separate comments on my report, if he so desires. I have sent copies to him; the Under Secretary of Defense for Acquisition, Technology and Logistics; the Secretary of the Navy; the Vice Chairman of the



Michael Gilmore

Director

Enclosure: As stated

cc:

The Honorable Adam Smith Ranking Member



SEP 0 2 2015

The Honorable Rodney P. Frelinghuysen Chairman, Subcommittee on Defense Committee on Appropriations United States House of Representatives Washington, DC 20515-6015

Dear Mr. Chairman:

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Michael Gilmore

Director

Enclosure:

As stated

cc:

The Honorable Peter J. Visclosky Ranking Member



SEP 0 2 2015

The Honorable John McCain Chairman Committee on Armed Services United States Senate Washington, DC 20510-6050

Dear Mr. Chairman:

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Director

Enclosure:

As stated

cc:

The Honorable Jack Reed Ranking Member



SEP 0 2 2015

The Honorable Thad Cochran Chairman, Subcommittee on Defense Committee on Appropriations United States Senate Washington, DC 20510-6025

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Michael Gilmore

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The Honorable Richard J. Durbin Vice Chairman