

**AMENDMENT TO H.R. 1735**  
**OFFERED BY MR. MACARTHUR OF NEW JERSEY**

At the appropriate place in title XVI, insert the following:

1 **SEC. 16 \_\_\_\_ . REPORT ON AEGIS REFURBISHMENT AND MOD-**  
2 **ERNIZATION.**

3 (a) REPORT.—Not later than 120 days after the date  
4 of the enactment of this Act, the Chief of Naval Oper-  
5 ations and the Director of the Missile Defense Agency  
6 shall jointly submit to the congressional defense commit-  
7 tees a report that compares and contrasts multiple covered  
8 options.

9 (b) MATTERS INCLUDED.—The report under sub-  
10 section (a) shall include the following:

11 (1) An overview of each covered option.

12 (2) With respect to each covered option in-  
13 cluded in the report—

14 (A) the cost and implementation data asso-  
15 ciated with the option;

16 (B) affordability and risk assessments; and

17 (C) any other supporting analyses the  
18 Chief and the Director jointly consider appro-  
19 priate.

1 (c) COVERED OPTIONS.—In this section, the term  
2 “covered options” means options available to modernize  
3 software and hardware configurations for the Aegis weap-  
4 on systems of the in-service destroyers that pace current  
5 and future threats and keep ships relevant through their  
6 expected service lives. Such options shall meet the fol-  
7 lowing criteria:

8 (1) The options improve the capability of the  
9 in-service Aegis fleet by—

10 (A) updating the Aegis computer program  
11 configurations of the ships to IAMD-capable  
12 versions; and

13 (B) refurbishing and modernizing the  
14 SPY-1 radar hardware of the ships.

15 (2) With respect to the computer program up-  
16 dates described in paragraph (1)(A), options that—

17 (A) are cost-effective ways of deploying the  
18 proven Aegis Common Source Library across  
19 the Fleet I, II and IIA destroyers, including by  
20 re-using existing computing equipment where  
21 prudent to reduce cost and increase operational  
22 availability; and

23 (B) provide performance gains and en-  
24 hancements to operational utility of merging  
25 legacy anti-air warfare and ballistic missile de-

1 fense Aegis computer programs aboard Fleet I  
2 and II destroyers as an additional affordable  
3 option for providing IAMD capability to these  
4 ships.

5 (3) With respect to the SPY-1 radar improve-  
6 ments described in paragraph (1)(B), options that  
7 are available to provide improvements to sensor cov-  
8 erage, raid capacity, flexibility in ship stationing,  
9 and target discrimination, including through—

10 (A) hardware changes that can be accom-  
11 plished pier-side in order to reduce cost and in-  
12 crease operational availability;

13 (B) hardware changes that do not consid-  
14 erably alter current ship configuration (i.e.  
15 deckhouse design) in order to reduce cost and  
16 increase operational availability; and

17 (C) hardware changes that can be accom-  
18 plished within acceptable margins for space,  
19 weight and power and cooling.

20 (4) The options are not limited to existing pro-  
21 grams of record, are able to field in the near term  
22 (three to five years), and minimize the effect to the  
23 existing certified Aegis fire control loop.

