

AMENDMENT TO H.R. 2810
OFFERED BY MR. FRANKS OF ARIZONA

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

1 **SEC. 16** .**[Log 65627] SENSE OF CONGRESS AND PLAN**
2 **FOR DEVELOPMENT OF SPACE-BASED BAL-**
3 **LISTIC MISSILE INTERCEPT LAYER.**

4 (a) **SENSE OF CONGRESS.**—It is the sense of Con-
5 gress that—

6 (1) a space-based missile defense layer will ex-
7 ploit the natural advantages of space systems and
8 integrate them into the ballistic missile defense sys-
9 tem; and

10 (2) these advantages include—

11 (A) a 24/7 global presence to defend
12 against asymmetric threats;

13 (B) access to geographically denied areas;

14 (C) an ability to close a global fire control
15 loop for such system;

16 (D) complementing existing terrestrial ca-
17 pabilities; and

1 (E) increasing the overall survivability and
2 resilience of the entire national missile defense
3 system.

4 (b) DEVELOPMENT.—The Director of the Missile De-
5 fense Agency shall develop a space-based ballistic missile
6 intercept layer to the ballistic missile defense system that
7 is—

- 8 (1) regionally focused;
- 9 (2) capable of providing boost-phase defense;
- 10 and
- 11 (3) achieves an operational capability at the
12 earliest practicable date.

13 (c) SPACE-BASED BALLISTIC MISSILE INTERCEPT
14 LAYER PLAN.—Not later than one year after the date of
15 the enactment of this Act, the Director shall submit to
16 the appropriate congressional committees a plan to carry
17 out subsection (b) during the five-year period following the
18 date of the plan. Such plan shall include the following:

19 (1) A concept definition phase consisting of
20 multiple awarded contracts to identify feasible solu-
21 tions consistent with architectural principles, per-
22 formance goals, and price points established by the
23 Director, such as contracts relating to—

- 24 (A) refined requirements;
- 25 (B) conceptual designs;

- 1 (C) technology readiness assessments;
- 2 (D) critical technical and operational
- 3 issues;
- 4 (E) cost, schedule, performance estimates;
- 5 and
- 6 (F) risk reduction plans.

7 (2) A technology risk reduction phase consisting
8 of up to three competitively awarded contracts fo-
9 cused on maturing, integrating, and characterizing
10 key technologies, algorithms, components, and sub-
11 systems, such as contracts relating to—

- 12 (A) refined concepts and designs;
- 13 (B) engineering trade studies;
- 14 (C) medium-to-high fidelity digital rep-
15 resentations of the space-based ballistic missile
16 intercept weapon system; and
- 17 (D) a proposed integration and test se-
18 quence that could potentially lead to a live-fire
19 boost phase intercept during fiscal year 2022.

20 (3) During the technology risk reduction phase,
21 contractors will define proposed demonstrations to a
22 preliminary design review level prior to a technology
23 development phase down-select.

24 (4) A technology development phase consisting
25 of two competitively awarded contracts to mature

1 the preferred space-based ballistic missile intercept
2 weapon system concepts and to potentially conduct
3 a live-fire boost phase intercept fly-off during fiscal
4 year 2022 with brassboard hardware and prototype
5 software on a path to the operational goal.

6 (5) A concurrent space-based ballistic missile
7 intercept weapon system fire control test bed activity
8 that incrementally incorporates modeling and sim-
9 ulation elements, real-world data, hardware, algo-
10 rithms, and systems to evaluate with increasing con-
11 fidence the performance of evolving designs and con-
12 cepts of such weapon system from target detection
13 to intercept.

14 (6) Any other matters the Director determines
15 appropriate.

16 (d) ESTABLISHMENT OF SPACE TEST BED.—In car-
17 rying out subsection (b), the Director of the Missile De-
18 fense Agency shall establish a space test bed to—

19 (1) conduct research and development regard-
20 ing options for a space-based defensive layer, includ-
21 ing with respect to space-based interceptors and di-
22 rected energy platforms; and

23 (2) identify the most cost-efficient and prom-
24 ising technological solutions to implementing such
25 layer.

1 (e) APPROPRIATE CONGRESSIONAL COMMITTEES DE-
2 FINED.—In this section, the term “appropriate congres-
3 sional committees” means—

- 4 (1) the congressional defense committees; and
5 (2) the Select Committee on Intelligence of the
6 Senate and the Permanent Select Committee on In-
7 telligence of the House of Representatives.

In section 4201 of division D, relating to research, development, test, and evaluation, Defense-wide, increase the amount for Program Element 0604115C, Technology Maturation Initiatives, Line 094, by \$30,000,000.

In section 4301 of division D, relating operation and maintenance, reduce the amounts as follows:

(1) For Army, other services and support, Line 470, by \$9,000,000.

(2) For Navy, administration, Line 510, by \$9,000,000.

(3) For Air Force, other servicewide activities, Line 490, by \$9,000,000.

(4) For Marine Corps, administration, Line 170, by \$3,000,000.

