

**AMENDMENT TO THE RULES COMMITTEE PRINT**  
**119–8**  
**OFFERED BY MS. HOULAHAN OF PENNSYLVANIA**

At the end of subtitle C of title II, add the following  
new section:

**1 SEC. 2\_\_\_\_. DEPARTMENT OF DEFENSE BIOTECHNOLOGY**  
**2 STRATEGY.**

**3** (a) IN GENERAL.—Not later than 1 year after the  
**4** date of enactment of this Act, the Secretary of Defense  
**5** shall, in coordination with the Under Secretary of Defense  
**6** for Research and Engineering and the Under Secretary  
**7** of Defense for Acquisition and Sustainment, submit to the  
**8** Committee on Armed Services of the Senate and the Com-  
**9** mittee on Armed Services of the House of Representatives  
**10** a strategy on the national security implications of emerg-  
**11** ing biotechnologies, including the future role that bio-  
**12** technology will play in defense, and means to improve in-  
**13** dustry, interagency, and international relationships in this  
**14** sector.

**15** (b) ELEMENTS.—The strategy required pursuant to  
**16** subsection (a) shall include the following elements:

**17** (1) How the Department of Defense will de-  
**18** velop and expand a network of commercial facilities

1       for the biomanufacture of products that are critical  
2       for defense needs.

3           (2) Review and update of military specifications  
4       in order to better incorporate or substitute current  
5       products with biotechnology-based products.

6           (3) Updated plans and policies for the Depart-  
7       ment to enter into advance market commitments  
8       and offtake agreements for biotechnology products  
9       that have defense applications.

10          (4) A description of how the Department could  
11       better incorporate military-relevant applications of  
12       emerging biotechnology into wargaming exercises,  
13       tabletop exercises, or other net assessment analyses.

14          (5) The benefits and costs of issuing a research  
15       grand challenge, or a series of challenges, that focus  
16       on making biotechnology predictably engineerable  
17       and how the Department would implement such re-  
18       search grand challenge, or challenges.

19          (6) Development of a biotechnology regulation  
20       science and technology program within the Depart-  
21       ment, including development of digital infrastructure  
22       to support simplified regulation and the development  
23       of biometrology tools.

24          (7) Updated plans and policies for inter-govern-  
25       mental support that the Department could provide

1 in encouraging member countries of the North At-  
2 lantic Treaty Organization (NATO) to aggregate de-  
3 mand and pool purchasing power for biotechnology  
4 products.

5 (8) Review of plans and guidance on how the  
6 Department can work to develop, integrate, and dis-  
7 seminate biotechnology research initiatives across  
8 member countries of the North Atlantic Treaty Or-  
9 ganization, and how the Department might coordi-  
10 nate with international stakeholders to utilize the  
11 combined research capabilities of such member coun-  
12 tries to drive a biotechnology development approach.

