

AMENDMENT TO RULES COMMITTEE PRINT 119-8
OFFERED BY MR. PAPPAS OF NEW HAMPSHIRE

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

1 **SEC. 2____. STRATEGY FOR THE DEVELOPMENT OF FRIC-**
2 **TION STIR ADDITIVE MANUFACTURING TECH-**
3 **NOLOGIES.**

4 (a) IN GENERAL.—Not later than 180 days after the
5 date of the enactment of this Act, the Under Secretary
6 of Defense for Research and Engineering shall submit to
7 the congressional defense committees a comprehensive re-
8 port outlining the strategy of the Department of Defense
9 for the research, development, and deployment of friction
10 stir additive manufacturing technologies.

11 (b) ELEMENTS.—The report required by subsection
12 (a) shall include the following:

13 (1) An assessment of the strategic importance
14 of developing and deploying friction stir additive
15 manufacturing technologies for national defense, in-
16 cluding their potential to enhance supply chain resil-
17 ience, manufacturing agility, and operational readi-
18 ness.

1 (2) A detailed summary of current and planned
2 Department of Defense programs and initiatives
3 that are supporting the development, testing, or im-
4 plementation of friction stir additive manufacturing
5 technologies.

6 (3) An analysis of key areas of operational im-
7 pact of such technologies, including—

8 (A) expeditionary manufacturing and
9 sustainment capabilities;

10 (B) deployable micro-factory systems for
11 forward operating bases or contested environ-
12 ments; and

13 (C) development of ultra-large-scale fric-
14 tion stir additive manufacturing techniques for
15 critical defense infrastructure and platforms.

