

AMENDMENT TO
RULES COMMITTEE PRINT 119-33
OFFERED BY MR. NUNN OF IOWA

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

1 **SEC. 2___. PLAN TO SUPPORT ADVANCED MANUFAC-**
2 **TURING AND MATERIALS FOR HYPERSONICS**
3 **RESEARCH AND DEVELOPMENT.**

4 (a) **PLAN REQUIRED.**—The Under Secretary of De-
5 fense for Acquisition and Sustainment shall develop a plan
6 to develop a comprehensive set of advanced manufacturing
7 practices and advanced materials for hypersonics research
8 and development.

9 (b) **ELEMENTS.**—At a minimum, the plan under sub-
10 section (a) shall—

11 (1) address—

12 (A) intelligence-optimized robotic forming;

13 (B) additive and subtractive manufac-
14 turing methods;

15 (C) precision joining (laser, e-beam, fric-
16 tion stir) for dissimilar metals and metal/CMC
17 interfaces; and

1 (D) advanced materials and processing;
2 and

3 (2) define qualification artifacts (process allow-
4 able, non-destructive inspection procedures, and dig-
5 ital-thread data standards) and pilot lines executed
6 by consortia of primes, startups, and Federal labs,
7 with TRL/MRL, cost, and lead-time objectives.

8 (c) REPORT.—Not later than 180 days after the date
9 of the enactment of this Act, the Under Secretary of De-
10 fense for Acquisition and Sustainment shall submit to the
11 Committees on Armed Services of the Senate and the
12 House of Representatives a report on the plan developed
13 under subsection (a).

