

AMENDMENT TO H.R. 8462
OFFERED BY MR. SELF OF TEXAS

Page 26, line 5, strike “(11)” and insert “(13)”.

Page 27, line 12, strike “paragraph” and insert “paragraphs”.

Page 27, line 14, strike “and”.

Page 27, beginning line 15, insert the following:

1 “(11) shall establish guidance for the interoper-
2 ability, portability, testing, evaluation, verification,
3 validation, and security of quantum software and
4 software supply chains;

5 “(12) shall support best practices and evalua-
6 tion methods for the security of quantum software
7 supply chains, including with respect to—

8 “(A) open-source development; and

9 “(B) provenance; and”.

Page 65, line 4, strike “(3)” and insert “(4)”.

Page 65, beginning line 4, insert the following:

10 “(3) How the applicant will securely research
11 and develop software that is interoperable, portable,

1 and cross-modal, including with respect to
2 benchmarking and reproducibility.”.

Page 67, beginning line 4, insert the following:

3 “(i) PUBLICATION.—An entity that establishes a
4 testbed under subsection (a) is encouraged to publish non-
5 proprietary software artifacts and benchmark results from
6 such testbed if such publication would not compromise the
7 security of such software or such testbed.”.

Page 80, line 4, strike “of the of the” and insert “of
the”.

Page 80, line 17, insert “interoperable, secure, and
scalable” before “software”.

Page 80, line 17, insert “for cloud-based, hybrid,
and other appropriate environments,” after “software”.

Page 81, line 9, strike “and”.

Page 82, line 1, strike the period and insert “; and”.

Page 82, beginning line 2, insert the following:

8 (4) in subsection (d)—
9 (A) in the heading, by striking “SECU-
10 RITY” and inserting “INTERAGENCY FUNC-
11 TIONS”; and

1 (B) by striking “ensure” and inserting
2 “carry out the following:

3 “(1) Align such activities, including with re-
4 spect to the benchmarking of software referred to in
5 paragraph (5) of subsection (a), such that such ac-
6 tivities are not duplicated across the Department of
7 Energy, the Foundation, and the Institute.

8 “(2) Ensure”.

