

1 “(II) the understanding of the
2 Secretary concerning the investments
3 by adversaries of the United States in
4 artificial intelligence and the develop-
5 ment by such adversaries of capabili-
6 ties relating to artificial intelligence.”.

7 **SEC. 222. ADVISORY ROLE OF JASON SCIENTIFIC ADVISORY**
8 **GROUP.**

9 (a) ONGOING ENGAGEMENT OF CERTAIN SCIENTIFIC
10 ADVISORY PERSONNEL.—

11 (1) IN GENERAL.—The Secretary of Defense
12 shall seek to engage the members of the inde-
13 pendent, private scientific advisory group known as
14 “JASON” as advisory personnel to provide advice,
15 on an ongoing basis, on matters involving science,
16 technology, and national security, including methods
17 to defeat existential and technologically-amplified
18 threats to national security.

19 (2) AVAILABILITY TO OTHER FEDERAL AGEN-
20 CIES.—At the request of a Federal agency outside
21 the Department of Defense, the Secretary of De-
22 fense shall seek to make personnel engaged under
23 paragraph (1) available to such agency for the pur-
24 pose of providing advice to the agency on the mat-
25 ters described in such subsection.

1 (b) ARRANGEMENT FOR CONDUCT OF NATIONAL SE-
2 CURITY STUDIES AND ANALYSIS.—

3 (1) IN GENERAL.—Pursuant to subsection (a),
4 the Secretary of Defense, acting through the Under
5 Secretary of Defense for Acquisition and
6 Sustainment, shall seek to enter into an arrange-
7 ment under which JASON may provide national se-
8 curity research studies and other analyses to the De-
9 partment of Defense and other Federal agencies to
10 meet mission requirements and agency needs.

11 (2) FORM OF ARRANGEMENT.—The arrange-
12 ment entered into under paragraph (1) shall be in
13 a form the Under Secretary of Defense for Acquisi-
14 tion and Sustainment determines to be appropriate
15 for the Department of Defense, which may include
16 a contract, a grant, a cooperative agreement, the use
17 of other transaction authority under section 2371 of
18 title 10, United States Code, or another such ar-
19 rangement.

20 (3) TIMING OF ARRANGEMENT.—The Secretary
21 of Defense shall seek to enter into the arrangement
22 under paragraph (1) not later than 120 days after
23 the date of the enactment of this Act.

24 (4) TERMS OF ARRANGEMENT.—The arrange-
25 ment entered into under paragraph (1) shall—

1 (A) if specifically negotiated as part of the
2 arrangement, provide for the Department of
3 Defense to reimburse the entity supporting
4 JASON for all or a portion of the overhead
5 costs incurred in support of the arrangement;

6 (B) allow Federal Government entities out-
7 side the Department of Defense with respon-
8 sibilities relating to national security to seek to
9 engage JASON to perform individual studies
10 relating to national security matters as part of
11 the arrangement; and

12 (C) require that a Federal agency that en-
13 gages JASON to perform a study under the ar-
14 rangement will fully fund such study, including
15 a proportional percentage to the total overhead
16 costs incurred under the arrangement.

17 (5) LIMITATION ON TERMINATION.—

18 (A) IN GENERAL.—The Secretary of De-
19 fense may not terminate the arrangement under
20 paragraph (1) until a period of 180 days has
21 elapsed following the date on which the Sec-
22 retary—

23 (i) notifies the congressional defense
24 committees of the intent of the Secretary
25 to terminate the arrangement; and

1 (ii) submits the report required under
2 subparagraph (B).

3 (B) REPORT REQUIRED.—

4 (i) IN GENERAL.—If the Secretary of
5 Defense determines that the arrangement
6 under paragraph (1) should be terminated,
7 the Secretary shall submit to the congress-
8 sional defense committees a report on the
9 proposed termination of the arrangement.

10 (ii) ELEMENTS.—The report required
11 under clause (i) shall include the following:

12 (I) A summary of the execution
13 of research projects conducted by
14 JASON over the four fiscal years pre-
15 ceding the date of the report, includ-
16 ing the projects requested by the De-
17 partment of Defense and the projects
18 requested by other Federal agencies.

19 (II) An analysis of the costs to
20 the Department of Defense of main-
21 taining the arrangement under which
22 JASON provided national security re-
23 search studies, including any overhead
24 costs incurred by the Department or
25 shared among Federal agencies over

1 the four fiscal years preceding the
2 date of the report.

3 (III) A timeline for the potential
4 transition or termination of the activi-
5 ties, functions, and expertise provided
6 by JASON under the arrangement.

7 (IV) An assessment of the impact
8 that the termination of the arrange-
9 ment with JASON will have on de-
10 fense research studies and analytical
11 capabilities, including a mitigation
12 plan that identifies where alternative
13 and comparable scientific advice and
14 expertise is available and a compari-
15 son of the costs associated with each
16 alternative.

17 (iii) FORM OF REPORT.—The report
18 required under clause (i) may be submitted
19 in unclassified or classified form.

20 (6) ANNUAL SUMMARY REPORT.—Not later
21 than March 1 of each year beginning after the date
22 of the enactment of this Act, the Secretary of De-
23 fense shall submit to the congressional defense com-
24 mittees a report that includes—

1 (A) a summary of expenditures made
2 under the arrangement with JASON under
3 paragraph (1); and

4 (B) a summary of the studies and other
5 activities carried out by JASON pursuant to
6 such arrangement in the preceding calendar
7 year.

8 **SEC. 223. DIRECT AIR CAPTURE AND BLUE CARBON RE-**
9 **MOVAL TECHNOLOGY PROGRAM.**

10 (a) PROGRAM REQUIRED.—

11 (1) IN GENERAL.—The Secretary of Defense, in
12 coordination with the Secretary of Homeland Secu-
13 rity, the Secretary of Energy, and the heads of such
14 other Federal agencies as the Secretary of Defense
15 considers appropriate, shall carry out a program on
16 research, development, testing, evaluation, study,
17 and demonstration of technologies related to blue
18 carbon capture and direct air capture.

19 (2) PROGRAM GOALS.—The goals of the pro-
20 gram established under paragraph (1) are as follows:

21 (A) To develop technologies that capture
22 carbon dioxide from seawater and the air to
23 turn such carbon dioxide into clean fuels to en-
24 hance fuel and energy security.

the likelihood that developments in artificial intelligence will successfully transition into military systems of China; (3) Predicted effects on United States national security if current trends in China and the United States continue; (4) Predicted effects of current trends in the digital and technology export relationships of both countries with existing and new trading partners; and (5) An assessment of the relationships that are critical and in need of development in the private and public sectors to ensure that investment in artificial intelligence keeps pace with that of global investment.

Advisory role of JASON scientific advisory group (sec. 222)

The House amendment contained a provision (sec. 215) that would require the Secretary of Defense, acting through the Under Secretary of Defense for Acquisition and Sustainment, to seek to enter into a contract to support the JASON scientific advisory group.

The Senate bill contained no similar provision.

The Senate recedes with an amendment that would modify the requirement for the Department of Defense's arrangement with the JASON scientific advisory group to conduct national security studies and analyses. The conferees expect the arrangement or contract to be structured to allow for the efficient management of multiple national security research studies under one agreement with the Department and to be available for use by other Federal agencies, similar to previous contracts for JASON research studies.

Direct Air Capture and Blue Carbon Removal Technology Program (sec. 223)

The Senate bill contained a provision (sec. 219) that would require the Secretary of Defense, in coordination with the Secretary of Homeland Security, the Secretary of Energy, and the heads of other Federal agencies as deemed appropriate by the Secretary of Defense, to carry out a program on the research, development, testing, evaluation, study, and demonstration of technologies related to blue carbon capture and direct air capture.

The House amendment contained a similar provision (sec. 217).

The House recedes with a technical amendment.

Requiring defense microelectronics products and services meet trusted supply chain and operational security standards (sec. 224)

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CONFERENCE REPORT

TO ACCOMPANY

S. 1790



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