

meaning of those terms in section 7002 of the Energy Act of 2020 (30 U.S.C. 1606).

(2) **END-TO-END.**—The term “end-to-end”, with respect to the integration of mining or life cycle of minerals, means the integrated approach of, or the lifecycle determined by, examining the research and developmental process from the mining of the raw minerals to its processing into useful materials, its integration into components and devices, the utilization of such devices in the end-use application to satisfy certain performance metrics, and the recycling or disposal of such devices.

(3) **RECYCLING.**—The term “recycling” means the process of collecting and processing spent materials and devices and turning them into raw materials or components that can be reused either partially or completely.

(4) **SECONDARY RECOVERY.**—The term “secondary recovery” means the recovery of critical minerals and metals from discarded end-use products or from waste products produced during the metal refining and manufacturing process, including from mine waste piles, acid mine drainage sludge, or byproducts produced through legacy mining and metallurgy activities.

SA 2068. Mr. BENNET submitted an amendment intended to be proposed by him to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. . . . FEDERAL PERSONNEL ISSUES.

(a) **NEW OCCUPATIONAL SERIES FOR DIGITAL CAREER FIELDS.**—Not later than 270 days after the date of enactment of this Act, the Office of Personnel Management shall, under section 5105 of title 5, United States Code, establish—

(1) not less than 1 new occupational series, and associated policies, covering positions in the fields of software development, software engineering, and knowledge management; and

(2) a new occupational series, and associated policies, covering positions in the field of artificial intelligence.

(b) **MILITARY CAREER FIELDS FOR SOFTWARE DEVELOPMENT, DATA SCIENCE, AND ARTIFICIAL INTELLIGENCE.**—Section 230 of the National Defense Authorization Act for Fiscal Year 2020 (Public Law 116–92) is amended by adding the following new subsection:

“(d) **MILITARY CAREER FIELDS.**—

“(1) **IN GENERAL.**—Not later than 270 days after the date of the enactment of this subsection, the Chief of Staff of the Army, the Chief of Naval Operations, the Chief of Staff of the Air Force, and the Commandant of the Marine Corps (in this subsection collectively referred to as the ‘Service Chiefs’) shall each establish new military career fields for software development, data science, and artificial intelligence that are open to commissioned officers, enlisted personnel, and, as appropriate, warrant officers.

“(2) **TECHNICAL CAREER PATHS.**—The Service Chiefs shall use the authorities provided in section 605 of title 10, United States Code, and subchapter VI of chapter 36 of such title to ensure that military personnel in the career fields established under paragraph (1)

who choose to specialize and focus on technical skill sets rather than pursue leadership positions are not required to move outside their specialties or into management positions to continue to promote.”.

SA 2069. Mr. WICKER submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

On page 415, strike lines 13 through 18 and insert the following:

(2) by striking the period; and
(3) by adding at the end the following:

“(ii) whole cooked king crab and tanner crab and cooked king crab and tanner crab sections; and

“(iii) processed (within the meaning of section 60.119 of title 7, Code of Federal Regulations (or any successor regulations)) shrimp, unless such product is covered by the United States-Mexico-Canada Agreement.”.

SA 2070. Mr. BENNET submitted an amendment intended to be proposed by him to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. . . . ESTABLISHMENT OF NATIONAL RESERVE DIGITAL CORPS.

(a) **IN GENERAL.**—Subpart I of part III of title 5, United States Code, is amended by adding at the end the following:

“CHAPTER 103—NATIONAL RESERVE DIGITAL CORPS

“Sec.

“10301. Establishment.

“10302. Definitions.

“10303. Organization.

“10304. Work on behalf of Executive agencies.

“10305. Digital Corps Scholarship Program.

“10306. Duration of pilot program.

“§ 10301. Establishment

“ For the purposes of attracting, recruiting, and training a corps of world-class digital talent to serve the national interest and enable the Federal Government to become a digitally proficient enterprise, there is established within the Office of Management and Budget a pilot program for a civilian National Reserve Digital Corps, the members of whom shall serve as special Government employees, working not fewer than 30 days per year as short-term advisors, instructors, or developers in the Federal Government.

“§ 10302. Definitions

“In this chapter:

“(1) **DIRECTOR.**—The term ‘Director’ means the Director of the Office of Management and Budget.

“(2) **NODE.**—The term ‘node’ means a group of persons, or a team, organized under the direction of a node leader to provide digital service to not less than 1 Executive agency pursuant to an agreement between the Director and the Executive agency.

“(3) **NODE LEADER.**—The term ‘node leader’ means a full-time employee who—

“(A) is selected under this chapter to lead not less than 1 node; and

“(B) reports to the Director or the designee of the Director.

“(4) **NODE MEMBER.**—The term ‘node member’ means a special Government employee, as that term is defined in section 202 of title 18, who is selected under this division to work not fewer than 38 days per fiscal year and report to a node leader in furtherance of the mission of a node.

“§ 10303. Organization

“(a) **NODES AND NODE LEADERS.**—The National Reserve Digital Corps shall be organized into nodes, each of which shall be under the supervision of a node leader.

“(b) **ADMINISTRATIVE SUPPORT.**—The National Reserve Digital Corps shall receive funding and administrative support from the Director, who shall be responsible for selecting node leaders, establishing standards, ensuring that nodes meet Executive agency client requirements, maintaining security clearances, establishing access to an agile development environment and appropriate tools, and facilitating appropriate technical exchange meetings.

“(c) **APPOINTMENT AUTHORITY.**—

“(1) **DIRECT APPOINTMENT AUTHORITY OF NODE MEMBERS.**—

“(A) **IN GENERAL.**—The Director, on the recommendation of a node leader, may appoint, without regard to the provisions of subchapter I of chapter 33 (other than sections 3303 and 3328 of such chapter), a qualified candidate to a position in the competitive service in the Office of Management and Budget to serve as a node member.

“(B) **RULE OF CONSTRUCTION.**—Nothing in subparagraph (A) may be construed to preclude the Director from appointing additional employees, including full-time employees for the purposes described in that subparagraph.

“(2) **TERM AND TEMPORARY APPOINTMENTS OF NODE MEMBERS.**—The Director, on the recommendation of a node leader, may make a noncompetitive temporary appointment or term appointment, for a period of not more than 18 months, of a qualified candidate to serve as a node member in a position in the competitive service for which a critical hiring need exists, as determined under section 3304, without regard to sections 3327 and 3330.

“§ 10304. Work on behalf of Executive agencies

“(a) **PURPOSE.**—Each node shall undertake projects to assist Executive agencies by—

“(1) providing digital education and training;

“(2) performing data triage and providing acquisition assistance;

“(3) helping to guide digital projects and frame technical solutions;

“(4) helping to build bridges between public needs and private sector capabilities; and

“(5) performing related tasks.

“(b) **AUTHORITIES.**—A node may undertake a project—

“(1) on behalf of an Executive agency—

“(A) by direct agreement between the Director and the Executive agency; or

“(B) at the direction of the Director at the request of the Executive agency; or

“(2) to address a digital service need encompassing more than 1 Executive agency—

“(A) at the direction of the Director; or

“(B) on the initiative of a node leader.

§ 10305. Digital Corps Scholarship Program

“(a) IN GENERAL.—The Director shall establish a National Reserve Digital Corps scholarship program to provide full scholarships to competitively selected students who commit to study specific disciplines relating to national security digital technology.

“(b) SERVICE OBLIGATION.—Each student, before commencing the program established under subsection (a), shall sign an agreement with respect to the student’s commitment to the United States, which shall provide that the student agree to the following:

“(1) A commitment to serve as an intern at an Executive agency for not less than 6 weeks during each of the summers before the junior and senior years of the undergraduate studies of the student.

“(2) A commitment to serve in the National Reserve Digital Corps for 6 years after graduation.

“(c) PROGRAM ELEMENTS.—In establishing the program under subsection (a), the Director shall determine the following:

“(1) Eligibility standards for program participation.

“(2) Criteria for establishing the dollar amount of a scholarship, including tuition, room, and board.

“(3) Repayment requirements for students who fail to complete their service obligation.

“(4) An approach to ensuring that qualified graduates of the program are promptly hired and assigned to node leaders.

“(5) Resources required for the implementation of the program.

“(d) CONTINUING EDUCATION.—The Director shall establish a training and continuing education program to fund educational opportunities for members of the National Digital Reserve Corps, including conferences, seminars, degree and certificate granting programs, and other training opportunities that are expected to increase the digital competencies of the participants.

“(e) IMPLEMENTATION.—In carrying out this chapter, the Director shall have the following responsibilities:

“(1) Establishing the administrative support function and issuing guidance for the National Reserve Digital Corps, which shall include the identification of points of contact for node leaders at Executive agencies.

“(2) Not later than 1 year after the date of the enactment of this chapter, appointing not fewer than 5 node leaders under the National Reserve Digital Corps program and authorizing those node leaders to begin recruiting reservists and undertaking projects for Executive agencies.

“(3) Beginning 2 years after the date of enactment of this chapter, reporting annually to Congress on the progress of the National Reserve Digital Corps, each of which shall address, at a minimum, the following measures of success:

“(A) The number of technologists who participate in the National Reserve Digital Corps.

“(B) Identification of the Executive agencies that submitted work requests, the nature of the work requests, which work requests were assigned a node, and which work requests were completed or remain in progress.

“(C) Evaluations of results of National Reserve Digital Corps projects by Executive agencies.

“(D) Evaluations of results of National Reserve Digital Corps projects by reservists.

§ 10306. Duration of pilot program

“The pilot program under this chapter shall terminate not earlier than 6 years after the date of enactment of this chapter.”

(b) TECHNICAL AND CONFORMING AMENDMENT.—The table of chapters for subpart I of part III of title 5, United States Code, is amended by adding at the end the following:

“CHAPTER 103—NATIONAL RESERVE DIGITAL CORPS”.

(c) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Director of the Office of Management and Budget \$16,000,000, to remain available through fiscal year 2023, to carry out chapter 103 of title 5, United States Code, as added by this section.

SA 2071. Mr. BENNET (for himself and Mr. SASSE) submitted an amendment intended to be proposed to amendment SA 1502 proposed by Mr. SCHUMER to the bill S. 1260, to establish a new Directorate for Technology and Innovation in the National Science Foundation, to establish a regional technology hub program, to require a strategy and report on economic security, science, research, innovation, manufacturing, and job creation, to establish a critical supply chain resiliency program, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following:

SEC. —. TECHNOLOGY COMPETITIVENESS COUNCIL.

The Science and Technology Policy, Organization, and Priorities Act of 1976 (42 U.S.C. 6601 et seq.) is amended by adding at the end the following:

“TITLE VII—TECHNOLOGY COMPETITIVENESS COUNCIL**“SEC. 701. ESTABLISHMENT OF COUNCIL.**

“The President shall establish within the Executive Office of the President a Technology Competitiveness Council (in this title, referred to as the ‘Council’).

“SEC. 702. MEMBERSHIP OF COUNCIL.

“(a) IN GENERAL.—The Council shall be composed of the following members:

- “(1) The Vice President.
- “(2) The Secretary of State.
- “(3) The Secretary of the Treasury.
- “(4) The Secretary of Defense.
- “(5) The Attorney General.
- “(6) The Secretary of Commerce.
- “(7) The Secretary of Energy.
- “(8) The Secretary of Homeland Security.
- “(9) The Director of the Office of Management and Budget.

“(10) The Assistant to the President for Technology Competitiveness.

“(11) The Assistant to the President for National Security Affairs.

“(12) The Assistant to the President for Science and Technology.

“(13) The Assistant to the President for Economic Policy.

“(14) The Assistant to the President for Domestic Policy.

“(15) The United States Trade Representative.

“(16) The Chairman of the Joint Chiefs of Staff.

“(17) The heads of such other executive departments and agencies and other senior officials within the Executive Office of the President as the Chairperson of the Council considers appropriate.

“(b) CHAIRPERSON.—The Chairperson of the Council shall be the Vice President.

“SEC. 703. OPERATION OF COUNCIL.

(a) RESPONSIBILITIES OF CHAIR.—The Chairperson of the Council—

“(1) shall convene and preside over meetings of the Council and shall determine the agenda for the Council;

“(2) may authorize the establishment of such committees of the Council, including an executive committee, and of such working

groups, composed of senior designees of the Council members and of other officials, as the Chairperson deems necessary or appropriate for the efficient conduct of Council functions; and

“(3) shall report to the President on the activities and recommendations of the Council and shall advise the Council as appropriate regarding the President’s directions with respect to the Council’s activities and national technology policy generally.

“(b) ADMINISTRATION.—

“(1) STAFF.—The Council may hire a staff, which shall be headed by the Assistant to the President for Technology Competitiveness.

“(2) SUPPORT.—

“(A) SUPPORT FROM OFFICE OF ADMINISTRATION.—The Office of Administration in the Executive Office of the President shall provide the Council with such personnel, funding, and administrative support, as directed by the Chair or, upon the Chair’s direction, the Assistant to the President for Technology Competitiveness, subject to the availability of appropriations.

“(B) SUPPORT FROM OTHER AGENCIES.—Subject to the availability of appropriations, members of the Council who are heads of Federal agencies shall make resources, including personnel and office support, available to the Council as reasonably requested by the Chairperson or, upon the Chairperson’s direction, the Assistant to the President for Technology Competitiveness.

“(3) INFORMATION AND ASSISTANCE.—The heads of Federal agencies shall provide to the Council such information and assistance as the Chairperson may request to carry out the functions described in section 704.

“(4) COORDINATION WITH NATIONAL SECURITY COUNCIL.—The Council shall coordinate with the National Security Council on technology policy and strategy matters relating primarily to national security to ensure that the activities of the Council are carried out in a manner that is consistent with the responsibilities and authorities of the National Security Council.

“SEC. 704. FUNCTIONS OF COUNCIL.

“The Council shall be responsible for the following:

“(1) Developing recommendations for the President on United States technology competitiveness and technology-related issues, advising and assisting the President in development and implementation of national technology policy and strategy, and performing such other duties as the President may prescribe.

“(2) Developing and overseeing the implementation of a National Technology Strategy required by section 705.

“(3) Serving as a forum for balancing national security, economic, and technology considerations of United States departments and agencies as they pertain to technology research, development, commercial interests, and national security applications.

“(4) Coordinating policies across Federal departments and agencies relating to United States competitiveness in critical and emerging technologies and ensuring that policies designed to promote United States leadership and protect existing competitive advantages are integrated and mutually reinforcing.

“(5) Synchronizing budgets and strategies, in consultation with the Director of the Office of Management and Budget, in accordance with the National Technology Strategy required by section 705.

“SEC. 705. NATIONAL TECHNOLOGY STRATEGY.

“(a) IN GENERAL.—Each year, the President shall submit to Congress a comprehensive report on the technology strategy of the United States designed to maintain United States leadership in critical and emerging