

Statutory Notes and Related Subsidiaries

DEFINITIONS

For definitions of “intelligence community” and “congressional intelligence committees” as used in this section, see section 6002 of Pub. L. 117-263, set out as a note under section 3003 of this title.

§ 3334q. Detail of individuals from intelligence community to Department of Commerce**(a) Authority**

In order to better facilitate the sharing of actionable intelligence on foreign adversary intent, capabilities, threats, and operations that pose a threat to the interests or security of the United States, particularly as they relate to the procurement, development, and use of dual-use and emerging technologies, the Director of National Intelligence may, acting through the Intelligence Community Civilian Joint Duty Program and in consultation with the Secretary of Commerce, advertise joint duty positions and detail or facilitate the detail of civilian employees from across the intelligence community to the Bureau of Industry and Security of the Department of Commerce.

(b) Detail

Detailees on a joint duty assignment (JDA) assigned pursuant to subsection (a) shall be drawn from such elements of the intelligence community as the Director considers appropriate, in consultation with the Secretary of Commerce.

(c) Expertise

The Director shall ensure that detailees referred to in subsection (a) have subject matter expertise on countries of concern, including China, Iran, North Korea, and Russia, as well as functional areas such as illicit procurement, counterproliferation, emerging and foundational technology, economic and financial intelligence, information and communications technology systems, supply chain vulnerability, and counterintelligence.

(d) Duty credit

The detail of an employee of the intelligence community to the Department of Commerce under subsection (a) shall be without interruption or loss of civil service status or privilege.

(Pub. L. 118-31, div. G, title V, § 7501, Dec. 22, 2023, 137 Stat. 1079.)

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DEFINITIONS

For definition of “intelligence community” as used in this section, see section 7002 of Pub. L. 118-31, set out as a note under section 3003 of this title.

§ 3334r. Designation of a chief technology officer within certain elements of the intelligence community**(a) Designation authority**

The head of each covered element of the intelligence community shall designate a senior official to serve as the chief technology officer of such element.

(b) Covered elements

For purposes of this section, the covered elements of the intelligence community are the following:

- (1) The Central Intelligence Agency.
- (2) The Defense Intelligence Agency.
- (3) The Federal Bureau of Investigation.
- (4) The National Geospatial-Intelligence Agency.
- (5) The National Security Agency.
- (6) The National Reconnaissance Office.

(c) Responsibility

The chief technology officer of each covered element of the intelligence community shall be responsible for assisting the head of such element in the identification and adoption of technology to advance mission needs.

(d) Prohibition of dual appointment

Any chief technology officer designated pursuant to subsection (a) may not concurrently serve as the chief information officer, the chief data officer, or the principal science officer of any element of the intelligence community.

(Pub. L. 118-31, div. G, title V, § 7504, Dec. 22, 2023, 137 Stat. 1083.)

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§ 3334s. Programs for next-generation microelectronics in support of artificial intelligence**(a) Program establishment**

Subject to the availability of appropriations, the Director of National Intelligence, acting through the Director of the Intelligence Advanced Research Projects Activity, shall establish or otherwise oversee a program to advance microelectronics research.

(b) Research focus

The Director of National Intelligence shall ensure that the research carried out under the program established under subsection (a) is focused on the following:

- (1) Advanced engineering and applied research into next-generation computing models, materials, devices, architectures, and algorithms to enable the advancement of artificial intelligence and machine learning.

(2) Efforts to—

(A) overcome challenges with engineering and applied research of microelectronics, including with respect to the physical limits on transistors, electrical interconnects, and memory elements;¹

(B) promote long-term advancements in computing technologies, including by fostering a unified and multidisciplinary approach encompassing research and development into—

- (i) next-generation algorithm design;
- (ii) next-generation compute capability;
- (iii) generative and adaptive artificial intelligence for design applications;
- (iv) photonics-based microprocessors, including electrophotonics;
- (v) the chemistry and physics of new materials;

¹ So in original. Probably should be followed by “and”.