

25, 2015], the heads of each basic research entity shall each submit to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] the strategy developed by the head under subsection (a)(1).

“(2) OFFICE OF THE SECRETARY.—Not later than one year after the date of the enactment of this Act, the Secretary of Defense shall submit to the congressional defense committees the strategy developed under subsection (b).

“(d) COVERED INSTITUTION DEFINED.—In this section:

“(1) The term ‘basic research entity’ means an entity of the Department of Defense that executes research, development, test, and evaluation budget activity 1 funding, as described in the Department of Defense Financial Management Regulation.

“(2) The term ‘covered educational institution’ has the meaning given that term in section 2362(e) of title 10, United States Code [now 10 U.S.C. 4144(f)].”

## [§§ 4145 to 4147. Omitted]

### Editorial Notes

#### CODIFICATION

Sections 4145 to 4147 were initially transferred from sections 2350f, 2368, and 2367 of this title, respectively, by Pub. L. 116-283, div. A, title XVIII, §1844(b), Jan. 1, 2021, 134 Stat. 4246, to become effective Jan. 1, 2022. Subsequently, Pub. L. 117-81, div. A, title XVII, §1701(u)(5)(B), Dec. 27, 2021, 135 Stat. 2154, struck out and added a new section 1844(b) of Pub. L. 116-283, effective as if included therein. The new section 1844(b) did not direct any transfers to sections 4145 to 4147, thereby omitting these sections before they took effect. After other amendments by Pub. L. 117-81, section 2350f was not transferred, and sections 2368 and 2367 were transferred to sections 4124 and 4126 of this title, respectively.

## CHAPTER 307—TEST AND EVALUATION

Sec.	
4171.	Operational test and evaluation of defense acquisition programs.
4172.	Major systems and munitions programs: survivability testing and lethality testing required before full-scale production.
4173.	Department of Defense Test Resource Management Center.
4174.	Contracts: acquisition, construction, or furnishing of test facilities and equipment.
4175.	Use of test and evaluation installations by commercial entities.

### Editorial Notes

#### CODIFICATION

Pub. L. 116-283, div. A, title XVIII, §1844(a), Jan. 1, 2021, 134 Stat. 4245, initially enacted chapter 307 of this title, consisting of sections 4141 to 4147, which was to become effective Jan. 1, 2022. However, Pub. L. 117-81, div. A, title XVII, §1701(u)(5)(A), Dec. 27, 2021, 135 Stat. 2153, amended section 1844(a) of Pub. L. 116-283, effective as if included therein, so that instead of enacting chapter 307, it enacted chapter 305 of this title consisting of sections 4141 to 4144.

#### AMENDMENTS

2021—Pub. L. 117-81, div. A, title XVII, §1701(u)(6)(A), (C), Dec. 27, 2021, 135 Stat. 2154, amended Pub. L. 116-283, div. A, title XVIII, §1845(a), Jan. 1, 2021, 134 Stat. 4247, which added this analysis, by redesignating chapter 309 as this chapter and by adding items 4174 and 4175.

### Statutory Notes and Related Subsidiaries

#### PILOT PROGRAM TO TEST MACHINE-VISION TECHNOLOGIES TO DETERMINE THE AUTHENTICITY AND SECURITY OF MICROELECTRONIC PARTS IN WEAPON SYSTEMS

Pub. L. 115-232, div. A, title VIII, §843, Aug. 13, 2018, 132 Stat. 1878, as amended by Pub. L. 116-283, div. A, title XVIII, §§1806(e)(3)(C), 1866(d)(1), Jan. 1, 2021, 134 Stat. 4156, 4280, provided that:

“(a) PILOT PROGRAM AUTHORIZED.—The Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall establish a pilot program to test the feasibility and reliability of using machine-vision technologies to determine the authenticity and security of microelectronic parts in weapon systems.

“(b) OBJECTIVES OF PILOT PROGRAM.—The Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, shall design any pilot program conducted under this section to determine the following:

“(1) The effectiveness and technology readiness level of machine-vision technologies to determine the authenticity of microelectronic parts at the time of the creation of such part through final insertion of such part into weapon systems.

“(2) The best method of incorporating machine-vision technologies into the process of developing, transporting, and inserting microelectronics into weapon systems.

“(3) The rules, regulations, or processes that hinder the development and incorporation of machine-vision technologies, and the application of such rules, regulations, or processes to mitigate counterfeit microelectronics proliferation throughout the Department of Defense.

“(c) CONSULTATION.—To develop the pilot program under this section, the Undersecretary of Defense for Research and Engineering, in coordination with the Defense Microelectronics Activity, may consult with the following entities:

“(1) Manufacturers of semiconductors or electronics.

“(2) Industry associations relating to semiconductors or electronics.

“(3) Original equipment manufacturers of products for the Department of Defense.

“(4) Nontraditional defense contractors (as defined in section 3014 of title 10, United States Code) that are machine vision companies.

“(5) Federal laboratories (as defined in section 4801(5) of title 10, United States Code).

“(6) Other elements of the Department of Defense that fall under the authority of the Undersecretary of Defense for Research and Engineering.

“(d) COMMENCEMENT AND DURATION.—The pilot program established under this section shall be established not later than April 1, 2019, and all activities under such pilot program shall terminate not later than December 31, 2020.”

[Pub. L. 116-283, §1866(d)(1)(A), which directed amendment of section 843(c)(4) of Pub. L. 115-232, set out above, by substituting “section 3021” for “section 2302(9)”, could not be executed because of the intervening amendment by section 1806(e)(3)(C) of Pub. L. 116-283, which had substituted “section 3014” for “section 2302(9)”.]

#### § 4171. Operational test and evaluation of defense acquisition programs

(a) CONDITION FOR PROCEEDING BEYOND LOW-RATE INITIAL PRODUCTION.—(1) The Secretary of Defense shall provide that a covered major defense acquisition program, a covered designated major subprogram, or an element of the ballistic missile defense system may not proceed beyond low-rate initial production until initial oper-