

(ii) all persons involved in the construction, operation, and maintenance of such ground monitoring stations are United States persons;

(iii) such ground monitoring stations are not located in geographic proximity to sensitive United States national security sites;

(iv) the United States approves all equipment to be located at such ground monitoring stations;

(v) appropriate actions are taken to ensure that any such ground monitoring stations do not pose a cyber espionage or other threat, including intelligence or counterintelligence, to the national security of the United States; and

(vi) any improvements to such ground monitoring stations do not reduce or compete with the advantages of Global Positioning System technology for users.

(3) **WAIVER REPORT.**—For each waiver under paragraph (2), the Secretary of Defense and the Director of National Intelligence, in consultation with the Secretary of State, shall jointly submit to the appropriate congressional committees a report containing—

(A) the reason why it is not possible to provide the certification under paragraph (1) for the ground monitoring stations covered by such waiver;

(B) an assessment of the impact of the exercise of authority under paragraph (2) with respect to such ground monitoring stations on the national security of the United States;

(C) a description of the means to be used to mitigate any such impact to the United States for the duration that such ground monitoring stations are operated in the territory of the United States; and

(D) any other information in connection with the waiver that the Secretary of Defense and the Director of National Intelligence, in consultation with the Secretary of State, consider appropriate.

(4) **NOTICE.**—Not later than 30 days before the exercise of the authority to waive under paragraph (2) the certification requirement under paragraph (1) for a ground monitoring station, the Secretary of Defense and the Director of National Intelligence shall jointly provide to the appropriate congressional committees notice of the exercise of such authority and the report required under paragraph (3) with respect to such ground monitoring station.

(5) **APPROPRIATE CONGRESSIONAL COMMITTEES DEFINED.**—In this subsection, the term “appropriate congressional committees” means—

(A) the Committee on Armed Services, the Committee on Foreign Relations, and the Select Committee on Intelligence of the Senate; and

(B) the Committee on Armed Services, the committee on Foreign Affairs, and the Permanent Select Committee on Intelligence of the House of Representatives.

(b) **EXCEPTION.**—The limitation in subsection (a) shall not apply to foreign governments that are allies of the United States.

(c) **SUNSET.**—The limitation in subsection (a) shall terminate on December 31, 2023.

(Added and amended Pub. L. 115–91, div. A, title XVI, § 1602, Dec. 12, 2017, 131 Stat. 1721, § 2279c; renumbered § 2279d, Pub. L. 115–232, div. A, title X, § 1081(a)(18)(A), Aug. 13, 2018, 132 Stat. 1984; Pub. L. 116–92, div. A, title XVII, § 1731(a)(35), Dec. 20, 2019, 133 Stat. 1814.)

#### Editorial Notes

##### CODIFICATION

Section 1602(b) of Pub. L. 113–66, formerly set out as a note under section 2281 of this title, which was transferred to and inserted as the first subsection of this section, redesignated as subsec. (a), and amended by Pub. L. 115–91, § 1602(b), was based on Pub. L. 113–66, div. A, title XVI, § 1602(b), Dec. 26, 2013, 127 Stat. 943.

##### AMENDMENTS

2019—Pub. L. 116–92 struck out period at end of section catchline.

2018—Pub. L. 115–232 renumbered section 2279c of this title as this section.

2017—Subsec. (a), Pub. L. 115–91, § 1602(b), transferred section 1602(b) of Pub. L. 113–66 to this section, inserted it as the first subsection of this section, designated it as subsec. (a), substituted “Limitation” for “Limitation on Construction on United States Territory of Satellite Positioning Ground Monitoring Stations of Foreign Governments” in heading, and struck out par. (6). Prior to amendment, text of par. (6) read as follows: “Effective on the date that is five years after the date of the enactment of this Act, paragraphs (1) through (5) are repealed.” See Codification note above.

#### CHAPTER 136—PROVISIONS RELATING TO SPECIFIC PROGRAMS

Sec. 2281.	Global Positioning System.
[2282.]	Repealed.]
[2283.]	Renumbered.]
2284.	Explosive Ordnance Disposal Defense Program.
2285.	Department of Defense Climate Resilience Infrastructure Initiative.

#### Editorial Notes

##### AMENDMENTS

2021—Pub. L. 117–81, div. A, title III, § 332(b), title XVII, § 1701(f)(1), Dec. 27, 2021, 135 Stat. 1638, 2139, struck out item 2283 “Department of Defense small business strategy” and added item 2285.

2018—Pub. L. 115–232, div. A, title III, § 311(b), title VIII, § 851(c), Aug. 13, 2018, 132 Stat. 1709, 1884, added items 2283 and 2284.

2016—Pub. L. 114–328, div. A, title XII, § 1241(d)(6), Dec. 23, 2016, 130 Stat. 2505, struck out item 2282 “Authority to build the capacity of foreign security forces”.

2014—Pub. L. 113–291, div. A, title XII, § 1205(a)(2), Dec. 19, 2014, 128 Stat. 3536, added item 2282.

2011—Pub. L. 112–81, div. A, title X, § 1061(13)(B), Dec. 31, 2011, 125 Stat. 1583, struck out item 2282 “B–2 bomber: annual report”.

2000—Pub. L. 106–398, § 1 [[div. A], title I, § 131(a)(2)], Oct. 30, 2000, 114 Stat. 1654, 1654A–29, added item 2282.

#### § 2281. Global Positioning System

(a) **SUSTAINMENT AND OPERATION FOR MILITARY PURPOSES.**—The Secretary of Defense shall provide for the sustainment of the capabilities of the Global Positioning System (hereinafter in this section referred to as the “GPS”), and the operation of basic GPS services, that are bene-

ficial for the national security interests of the United States. In doing so, the Secretary shall—

(1) develop appropriate measures for preventing hostile use of the GPS so as to make it unnecessary for the Secretary to use the selective availability feature of the system continuously while not hindering the use of the GPS by the United States and its allies for military purposes; and

(2) ensure that United States armed forces have the capability to use the GPS effectively despite hostile attempts to prevent the use of the system by such forces.

(b) **SUSTAINMENT AND OPERATION FOR CIVILIAN PURPOSES.**—The Secretary of Defense shall provide for the sustainment and operation of the GPS Standard Positioning Service for peaceful civil, commercial, and scientific uses on a continuous worldwide basis free of direct user fees. In doing so, the Secretary—

(1) shall provide for the sustainment and operation of the GPS Standard Positioning Service in order to meet the performance requirements of the Federal Radionavigation Plan prepared jointly by the Secretary of Defense and the Secretary of Transportation pursuant to subsection (c);

(2) shall coordinate with the Secretary of Transportation regarding the development and implementation by the Government of augmentations to the basic GPS that achieve or enhance uses of the system in support of transportation;

(3) shall coordinate with the Secretary of Commerce, the United States Trade Representative, and other appropriate officials to facilitate the development of new and expanded civil and commercial uses for the GPS;

(4) shall develop measures for preventing hostile use of the GPS in a particular area without hindering peaceful civil use of the system elsewhere; and

(5) may not agree to any restriction on the Global Positioning System proposed by the head of a department or agency of the United States outside the Department of Defense in the exercise of that official's regulatory authority that would adversely affect the military potential of the Global Positioning System.

(c) **FEDERAL RADIONAVIGATION PLAN.**—The Secretary of Defense and the Secretary of Transportation shall jointly prepare the Federal Radionavigation Plan. The plan shall be revised and updated not less often than every two years. The plan shall be prepared in accordance with the requirements applicable to such plan as first prepared pursuant to section 507 of the International Maritime Satellite Telecommunications Act<sup>1</sup> (47 U.S.C. 756). The plan, and any amendment to the plan, shall be published in the Federal Register.

(d) **DEFINITIONS.**—In this section:

(1) The term “basic GPS services” means the following components of the Global Positioning System that are operated and maintained by the Department of Defense:

(A) The constellation of satellites.

(B) The navigation payloads that produce the Global Positioning System signals.

(C) The ground stations, data links, and associated command and control facilities.

(2) The term “GPS Standard Positioning Service” means the civil and commercial service provided by the basic Global Positioning System as defined in the 1996 Federal Radionavigation Plan (published jointly by the Secretary of Defense and the Secretary of Transportation in July 1997).

(Added Pub. L. 105–85, div. A, title X, § 1074(d)(1), Nov. 18, 1997, 111 Stat. 1909; amended Pub. L. 106–65, div. A, title X, § 1067(1), Oct. 5, 1999, 113 Stat. 774; Pub. L. 108–136, div. A, title IX, § 914, Nov. 24, 2003, 117 Stat. 1567; Pub. L. 111–84, div. A, title X, § 1032, Oct. 28, 2009, 123 Stat. 2448; Pub. L. 112–239, div. A, title X, § 1064, Jan. 2, 2013, 126 Stat. 1941.)

### Editorial Notes

#### REFERENCES IN TEXT

Section 507 of the International Maritime Satellite Telecommunications Act, referred to in subsec. (c), is section 507 of Pub. L. 87–624 which was classified to section 756 of Title 47, Telecommunications, prior to repeal by Pub. L. 103–414, title III, § 304(b)(5), Oct. 25, 1994, 108 Stat. 4298.

#### AMENDMENTS

2013—Subsecs. (d), (e). Pub. L. 112–239 redesignated subsec. (e) as (d) and struck out former subsec. (d) which related to biennial reports on the Global Positioning System.

2009—Subsec. (d)(1). Pub. L. 111–84, § 1032(a)(1), in introductory provisions, substituted “the Deputy Secretary of Defense and the Deputy Secretary of Transportation, in their capacity as co-chairs of the National Executive Committee for Space-Based Positioning, Navigation, and Timing,” for “the Secretary of Defense” and “the Committees on Armed Services and Commerce, Science, and Transportation of the Senate and the Committees on Armed Services, Energy and Commerce, and Transportation and Infrastructure of the House of Representatives” for “the Committee on Armed Services of the Senate and the Committee on Armed Services of the House of Representatives”.

Subsec. (d)(1)(B)(ii). Pub. L. 111–84, § 1032(b), inserted “validated” before “performance requirements” and “in accordance with Office of Management and Budget Circular A–109” after “Plan”.

Subsec. (d)(2). Pub. L. 111–84, § 1032(a)(2), added par. (2) and struck out former par. (2), which read as follows: “In preparing the parts of each such report required under subparagraphs (C), (D), (E), (F), and (G) of paragraph (1), the Secretary of Defense shall consult with the Secretary of State, the Secretary of Commerce, and the Secretary of Transportation.”

2003—Subsec. (d)(1)(C). Pub. L. 108–136, § 914(a)(1), (2), redesignated subpar. (D) as (C) and struck out former subpar. (C) which read as follows: “The most recent determination by the President regarding continued use of the selective availability feature of the system and the expected date of any change or elimination of the use of that feature.”

Subsec. (d)(1)(D). Pub. L. 108–136, § 914(a)(3), redesignated subpar. (E) as (D) and substituted “Progress and challenges in” for “Any progress made toward”. Former subpar. (D) redesignated (C).

Subsec. (d)(1)(E). Pub. L. 108–136, § 914(a)(4), added subpar. (E). Former subpar. (E) redesignated (D).

Subsec. (d)(1)(F). Pub. L. 108–136, § 914(a)(4), added subpar. (F) and struck out former subpar. (F) which read as follows: “Any progress made toward protecting GPS from disruption and interference.”

<sup>1</sup> See References in Text note below.

Subsec. (d)(2). Pub. L. 108-136, §914(b), inserted “(C),” after “under subparagraphs”.

1999—Subsec. (d)(1). Pub. L. 106-65 substituted “and the Committee on Armed Services” for “and the Committee on National Security” in introductory provisions.

#### Statutory Notes and Related Subsidiaries

##### RESILIENT AND SURVIVABLE POSITIONING, NAVIGATION, AND TIMING CAPABILITIES

Pub. L. 116-283, div. A, title XVI, §1611, Jan. 1, 2021, 134 Stat. 4048, provided that:

“(a) IN GENERAL.—Not later than two years after the date of the enactment of this Act [Jan. 1, 2021], consistent with the timescale applicable to joint urgent operational needs statements, the Secretary of Defense shall—

“(1) prioritize and rank order the mission elements, platforms, and weapons systems most critical for the operational plans of the combatant commands;

“(2) mature, test, and produce for such prioritized mission elements sufficient equipment—

“(A) to generate resilient and survivable alternative positioning, navigation, and timing signals; and

“(B) to process resilient survivable data provided by signals of opportunity and on-board sensor systems; and

“(3) integrate and deploy such equipment into the prioritized operational systems, platforms, and weapons systems.

“(b) PLAN.—

“(1) IN GENERAL.—Not later than 180 days after the date of the enactment of this Act, the Secretary shall submit to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] a plan to commence carrying out subsection (a) in fiscal year 2021.

“(2) REPROGRAMMING AND BUDGET PROPOSALS.—The plan submitted under paragraph (1) may include any reprogramming or supplemental budget request the Secretary considers necessary to carry out subsection (a).

“(c) COORDINATION.—In carrying out this section, the Secretary shall consult with the National Security Council, the Secretary of Homeland Security, the Secretary of Transportation, and the head of any other relevant Federal department or agency to enable civilian and commercial adoption of technologies and capabilities for resilient and survivable alternative positioning, navigation, and timing capabilities to complement the global positioning system.”

##### PROHIBITION ON AVAILABILITY OF FUNDS FOR CERTAIN PURPOSES RELATING TO THE GLOBAL POSITIONING SYSTEM

Pub. L. 116-283, div. A, title XVI, §1661, Jan. 1, 2021, 134 Stat. 4073, provided that:

“(a) PROHIBITION.—Except as provided by subsection (b), none of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2021 or any subsequent fiscal year for the Department of Defense may be obligated or expended to retrofit any Global Positioning System device or system, or network that uses the Global Positioning System, in order to mitigate harmful interference from commercial terrestrial operations using the 1526-1536 megahertz band, the 1627.5-1637.5 megahertz band, or the 1646.5-1656.5 megahertz band.

“(b) ACTIONS NOT PROHIBITED.—The prohibition in subsection (a) shall not apply to any action taken by the Secretary of Defense relating to—

“(1) conducting technical or information exchanges with the entity that operates the commercial terrestrial operations in the megahertz bands specified in such subsection;

“(2) seeking compensation for harmful interference from such entity; or

“(3) Global Positioning System receiver upgrades needed to address other resiliency requirements.”

##### LIMITATION ON AWARDING CONTRACTS TO ENTITIES OPERATING COMMERCIAL TERRESTRIAL COMMUNICATION NETWORKS THAT CAUSE HARMFUL INTERFERENCE WITH THE GLOBAL POSITIONING SYSTEM

Pub. L. 116-283, div. A, title XVI, §1662, Jan. 1, 2021, 134 Stat. 4074, provided that: “The Secretary of Defense may not enter into a contract, or extend or renew a contract, with an entity that engages in commercial terrestrial operations using the 1525-1559 megahertz band or the 1626.5-1660.5 megahertz band unless the Secretary has certified to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] that such operations do not cause harmful interference to a Global Positioning System device of the Department of Defense.”

##### ESTIMATE OF DAMAGES FROM FEDERAL COMMUNICATIONS COMMISSION ORDER 20-48

Pub. L. 116-283, div. A, title XVI, §1664, Jan. 1, 2021, 134 Stat. 4075, as amended by Pub. L. 117-81, div. A, title XVI, §1682, Dec. 27, 2021, 135 Stat. 2118, provided:

“(a) LIMITATION, ESTIMATE, AND CERTIFICATION.—None of the funds authorized to be appropriated by this Act [Pub. L. 116-283, see Tables for classification] or otherwise made available for fiscal year 2021 or any subsequent fiscal year may be obligated or expended by the Secretary of Defense to comply with the Order and Authorization adopted by the Federal Communications Commission on April 19, 2020 (FCC 20-48), until the Secretary—

“(1) submits to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] an estimate of the extent of covered costs and the range of ligible reimbursable costs associated with harmful interference resulting from such Order and Authorization to the Global Positioning System of the Department of Defense; and

“(2) certifies to the congressional defense committees that the estimate submitted under paragraph (1) is accurate with a high degree of certainty.

“(b) COVERED COSTS.—For purposes of this section, covered costs include costs that would be incurred—

“(1) to upgrade, repair, or replace potentially affected receivers of the Federal Government;

“(2) to modify, repair, or replace equipment, spares, associated ancillary equipment, software, facilities, operating manuals, training, or compliance with regulations, including with regard to the underlying platform or system in which a capability of the Global Positioning System is embedded; and

“(3) for personnel of the Department to engineer, validate, and verify that any required remediation provides the Department with the same operational capability for the affected system prior to terrestrial operation in the 1525 to 1559 megahertz or 1626.5 to 1660.5 megahertz bands of electromagnetic spectrum.

“(c) RANGE OF ELIGIBLE REIMBURSABLE COSTS.—For purposes of this section, the range of eligible reimbursable costs includes—

“(1) costs associated with engineering, equipment, software, site acquisition, and construction;

“(2) any transaction expense that the Secretary determines is legitimate and prudent;

“(3) costs relating to term-limited Federal civil servant and contractor staff; and

“(4) the costs of research, engineering studies, or other expenses the Secretary determines reasonably incurred.

“(d) DISTRIBUTION OF ESTIMATE.—As soon as practicable after submitting an estimate as described in paragraph (1) of subsection (a) and making the certification described in paragraph (2) of such subsection, the Secretary shall make such estimate available to any licensee operating under the Order and Authorization described in such subsection.

“(e) AUTHORITY OF SECRETARY OF DEFENSE TO SEEK RECOVERY OF COSTS.—The Secretary may work directly with any licensee (or any future assignee, successor, or purchaser) affected by the Order and Authorization described in subsection (a) to seek recovery of costs incurred by the Department as a result of the effect of such order and authorization.

“(f) REIMBURSEMENT.—

“(1) IN GENERAL.—The Secretary shall establish and facilitate a process for any licensee (or any future assignee, successor, or purchaser) subject to the Order and Authorization described in subsection (a) to provide reimbursement to the Department, only to the extent provided in appropriation Acts, for the covered costs and eligible reimbursable costs submitted and certified to the congressional defense committees under such subsection.

“(2) USE OF FUNDS.—The Secretary shall use any funds received under this subsection, to the extent and in such amounts as are provided in advance in appropriation Acts, for covered costs described in subsection (b) and the range of eligible reimbursable costs identified under subsection (a)(1).

“(3) REPORT.—Not later than 90 days after the date on which the Secretary establishes the process required by paragraph (1), the Secretary shall submit to the congressional defense committees a report on such process.”

PROTOTYPE PROGRAM FOR MULTI-GLOBAL NAVIGATION SATELLITE SYSTEM RECEIVER DEVELOPMENT

Pub. L. 116-92, div. A, title XVI, §1607, Dec. 20, 2019, 133 Stat. 1724, provided that:

“(a) PROTOTYPE MULTI-GNSS PROGRAM.—The Secretary of the Air Force shall carry out a program to prototype an M-code based, multi-global navigation satellite system receiver that is capable of receiving covered signals to increase the resilience and capability of military position, navigation, and timing equipment against threats to the Global Positioning System and to deter the likelihood of attack on the worldwide Global Positioning System by reducing the benefits of such an attack.

“(b) ELEMENTS.—In carrying out the program under subsection (a), the Secretary shall—

“(1) with respect to each covered signal that could be received by the prototype receiver under such program, conduct an assessment of the relative benefits and risks of using that signal, including with respect to any existing or needed monitoring infrastructure that would alert users of the Department of Defense of potentially corrupted signal information, and the cyber risks and challenges of incorporating such signals into a properly designed receiver;

“(2) ensure that monitoring systems are able to include any monitoring network of the United States or allies of the United States;

“(3) conduct an assessment of the benefits and risks, including with respect to the compatibility of non-United States global navigation satellite system signals with existing position, navigation, and timing equipment of the United States, and the extent to which the capability to receive such signals would impact current receiver or antenna design; and

“(4) conduct an assessment of the desirability of establishing a program for the development and deployment of the receiver system described in subsection (a) in a manner that—

“(A) is a cooperative effort, coordinated with the Secretary of State, between the United States and the allies of the United States that may also have interest in funding a multi-global navigation satellite system and M-code program; and

“(B) the Secretary of Defense, in coordination with the Secretary of State, ensures that the United States has access to sufficient insight into trusted signals of allied systems to assure potential reliance by the United States on such signals.

“(c) BRIEFING.—Not later than 120 days after the date of the enactment of this Act [Dec. 20, 2019], the Sec-

retary, in coordination with the Air Force GPS User Equipment Program office, shall provide to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] a briefing on a plan to carry out the program under subsection (a) that includes—

“(1) the estimated cost, including total cost and out-year funding requirements for a program to develop and deploy the receiver system described in subsection (a);

“(2) the schedule for such program;

“(3) a plan for how the results of the program could be incorporated into future blocks of the Global Positioning System military user equipment program; and

“(4) the recommendations and analysis contained in the study sponsored by the Department of Defense conducted by the MITRE Corporation on the risks, benefits, and approaches to adding multi-global navigation satellite system capabilities to military user equipment.

“(d) REPORT.—Not later than 150 days after the date of the enactment of this Act [Dec. 20, 2019], the Secretary of Defense shall submit to the congressional defense committees a report containing—

“(1) an explanation of how the Secretary intends to comply with section 1609 of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Public Law 115-232; 10 U.S.C. 2281 note);

“(2) an outline of any potential cooperative efforts acting in accordance with the North Atlantic Treaty Organization, the European Union, or Japan that would support such compliance;

“(3) an assessment of the potential to host, or incorporate through software-defined payloads, Global Positioning System M-code functionality onto allied global navigation satellite system systems; and

“(4) an assessment of new or enhanced monitoring capabilities that would be needed to incorporate global navigation satellite system functionality into weapon systems of the Department.

“(e) LIMITATION.—Of the funds authorized to be appropriated by this Act or otherwise made available for fiscal year 2020 for increment 2 of the acquisition of military Global Positioning System user equipment terminals, not more than 90 percent may be obligated or expended until the date on which the briefing has been provided under subsection (c) and the report has been submitted under subsection (d).

“(f) WAIVER AUTHORITY FOR TRUSTED SIGNALS CAPABILITIES.—[Amended section 1609 of Pub. L. 115-232, set out as a note below.]

“(g) DEFINITIONS.—In this section:

“(1) The term ‘allied systems’ means—

“(A) the Galileo system of the European Union;

“(B) the QZSS system of Japan; and

“(C) upon designation by the Secretary of Defense, in consultation with the Director of National Intelligence—

“(i) the NAVIC system of India; and

“(ii) any similarly associated wide area augmentation systems.

“(2) The term ‘covered signals’—

“(A) means global navigation satellite system signals from—

“(i) allied systems; and

“(ii) non-allied systems; and

“(B) includes both encrypted signals and open signals.

“(3) The term ‘encrypted signals’ means global navigation satellite system signals that incorporate encryption or other internal methods to authenticate signal information.

“(4) The term ‘M-code’ means, with respect to global navigation satellite system signals, military code that provides enhanced positioning, navigation, and timing capabilities and improved resistance to existing and emerging threats, such as jamming.

“(5) The term ‘non-allied systems’ means—

“(A) the Russian GLONASS system; and

“(B) the Chinese Beidou system.

“(6) The term ‘open signals’ means global navigation satellite system [signals] that do not include encryption or other internal methods to authenticate signal information.”

CAPACITY TO RECEIVE ALLIED AND NON-ALLIED SIGNALS

Pub. L. 115-232, div. A, title XVI, §1609, Aug. 13, 2018, 132 Stat. 2110, as amended by Pub. L. 116-92, div. A, title XVI, §1607(f), Dec. 20, 2019, 133 Stat. 1726, provided that:

“(a) CAPABILITY FOR TRUSTED SIGNALS.—

“(1) REQUIREMENT.—Except as provided by paragraph (2), subject to appropriate mitigation efforts, the Secretary of the Air Force shall ensure that military Global Positioning System user equipment terminals have the capability to receive trusted signals from the Galileo satellites of the European Union and the QZSS satellites of Japan, beginning with increment 2 of the acquisition of such terminals.

“(2) WAIVER.—The Secretary of Defense may waive, on a case-by-case basis, the requirement under paragraph (1) for military Global Positioning System user equipment terminals to have the capability described in such paragraph if the Secretary submits to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] a report containing—

“(A) the rationale for why the Secretary could not integrate such capability beginning with increment 2 of the acquisition of such terminals; and

“(B) a plan, including a timeline, to incorporate the capability to add multi-Global Navigation Satellite System signals to provide substantive military utility in future increments of such terminals.

“(3) LIMITATION ON DELEGATION.—The Secretary of Defense may not delegate the authority under paragraph (2) to make a waiver below the Deputy Secretary of Defense.

“(b) CAPABILITY FOR OTHER SIGNALS.—The Secretary of the Air Force shall ensure that military Global Positioning System user equipment terminals having the capability to receive non-allied positioning, navigation, and timing signals, beginning with increment 2 of the acquisition of such terminals, if the Secretary of Defense, in consultation with the Commander of the United States Strategic Command, determines that—

“(1) the benefits of receiving such signals outweigh the risks; or

“(2) such risks can be appropriately mitigated.

“(c) ENGAGEMENT.—The Secretary of Defense and the Secretary of State shall jointly engage with relevant allies of the United States to—

“(1) enable military Global Positioning System user equipment terminals to receive the positioning, navigation, and timing signals of such allies; and

“(2) negotiate as appropriate other potential agreements relating to the enhancement of positioning, navigation, and timing.”

DESIGNATION OF COMPONENT OF DEPARTMENT OF DEFENSE RESPONSIBLE FOR COORDINATION OF MODERNIZATION EFFORTS RELATING TO MILITARY-CODE CAPABLE GPS RECEIVER CARDS

Pub. L. 115-232, div. A, title XVI, §1610, Aug. 13, 2018, 132 Stat. 2111, as amended by Pub. L. 116-92, div. A, title XVI, §1602, Dec. 20, 2019, 133 Stat. 1722, provided that:

“(a) DESIGNATION.—Not later than 30 days after the date of the enactment of this Act [Aug. 13, 2018], the Secretary of Defense, in coordination with the Secretaries of the military departments and the heads of Defense Agencies the Secretary determines appropriate, shall designate a component of the Office of the Secretary of Defense to be responsible for coordinating common solutions for the M-code modernization efforts among the military departments, Defense Agencies, and other appropriate elements of the Department of Defense.

“(b) ROLES AND RESPONSIBILITIES.—The roles and responsibilities of the component selected under subsection (a) shall include the following:

“(1) Identify the elements of the Department of Defense and the programs of the Department that require M-code capable receiver cards and determine—

“(A) the number of total receiver cards required by the Department, including the number required for each such element and program and the military departments;

“(B) the timeline, by fiscal year, for each program of the Department conducting M-code modernization efforts; and

“(C) the projected cost for each such program.

“(2) Systematically collect integration test data, lessons learned, and design solutions, and share such information with other elements of the Department, including with respect to each program of the Department that requires M-code capable receiver cards.

“(3) Identify ways the Department can prevent duplication in conducting M-code modernization efforts, and identify, to the extent practicable, potential cost savings that could be realized by addressing such duplication.

“(4) Coordinate the integration, testing, and procurement of M-code capable receiver cards to ensure that the Department maximizes the buying power of the Department, reduces duplication, and saves resources, where possible.

“(c) SUPPORT.—The Secretary of Defense shall ensure the military departments, the Defense Agencies, and other elements of the Department of Defense provide the component selected under subsection (a) with the appropriate support and resources needed to perform the roles and responsibilities under subsection (b), and shall clarify the roles of the Chief Information Officer and the Council on Oversight of the Department of Defense Positioning, Navigation, and Timing Enterprise with respect to M-code modernization efforts.

“(d) REPORTS.—Not later than March 15, 2019, and annually thereafter through 2021, the Secretary of Defense shall provide to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] a report on M-code modernization efforts. Each report shall include, with respect to the period covered by the report, the following:

“(1) The projected cost and schedule, by fiscal year, for the Department to acquire M-code capable receiver cards.

“(2) The programs of the Department conducting M-code modernization efforts.

“(3) The number of M-code capable receiver cards procured by the Department, the number of such receiver cards yet to be procured, and the percentage of the M-code modernization efforts completed by each program identified under paragraph (2).

“(e) DEFINITIONS.—In this section:

“(1) The term ‘M-code capable receiver card’ means a Global Positioning System receiver card that is capable of receiving military code that provides enhanced positioning, navigation, and timing capabilities and improved resistance to existing and emerging threats, such as jamming.

“(2) The term ‘M-code modernization efforts’ means the development, integration, testing, and procurement programs of the Department of Defense relating to developing M-code capable receiver cards.”

QUARTERLY REPORTS ON GLOBAL POSITIONING SYSTEM III SPACE SEGMENT, GLOBAL POSITIONING SYSTEM OPERATIONAL CONTROL SEGMENT, AND MILITARY GLOBAL POSITIONING SYSTEM USER EQUIPMENT ACQUISITION PROGRAMS

Pub. L. 114-92, div. A, title XVI, §1621, Nov. 25, 2015, 129 Stat. 1109, provided that:

“(a) REPORTS REQUIRED.—Not later than 90 days after the date of the enactment of this Act [Nov. 25, 2015], and every 90 days thereafter, the Secretary of the Air Force shall submit to the Comptroller General of the United States a report and supporting documentation on the Global Positioning System III space segment, the Global Positioning System operational control seg-

ment, and the Military Global Positioning System user equipment acquisition programs.

“(b) ELEMENTS.—Each report required by subsection (a) shall include, with respect to an acquisition program specified in that subsection, the following:

“(1) A statement of the status of the program with respect to cost, schedule, and performance.

“(2) A description of any changes to the requirements of the program.

“(3) A description of any technical risks impacting the cost, schedule, and performance of the program.

“(4) An assessment of how such risks are to be addressed and the costs associated with such risks.

“(5) An assessment of the extent to which the segments of the program are synchronized.

“(c) BRIEFINGS BY COMPTROLLER GENERAL.—The Comptroller General shall provide to the congressional defense committees [Committees on Armed Services and Appropriations of the Senate and the House of Representatives] a briefing on a report submitted under subsection (a)—

“(1) in the case of the first such report, not later than 30 days after receiving that report; and

“(2) as the Comptroller General considers appropriate thereafter.

“(d) TERMINATION.—The requirement under subsection (a) shall terminate with respect to an acquisition program specified in that subsection on the date on which that program reaches initial operational capability.”

#### LIMITATION ON CONSTRUCTION ON UNITED STATES TERRITORY OF SATELLITE POSITIONING GROUND MONITORING STATIONS OF FOREIGN GOVERNMENTS

Pub. L. 113-66, div. A, title XVI, §1602(b), Dec. 26, 2013, 127 Stat. 943, which limited construction within United States territory of global navigation satellite system ground monitoring stations controlled by foreign governments, was transferred to subsec. (a) of section 2279c (now 2279d) of this title by Pub. L. 115-91, div. A, title XVI, §1602(b)(1), Dec. 12, 2017, 131 Stat. 1722.

#### USE OF FUNDS FOR GLOBAL POSITIONING SYSTEM

Pub. L. 112-10, div. A, title VIII, §8068, Apr. 15, 2011, 125 Stat. 73, provided that: “Funds available to the Department of Defense for the Global Positioning System during the current fiscal year, and hereafter, may be used to fund civil requirements associated with the satellite and ground control segments of such system’s modernization program.”

#### LIMITATION ON USE OF FUNDS FOR PURCHASING GLOBAL POSITIONING SYSTEM USER EQUIPMENT

Pub. L. 111-383, div. A, title IX, §913, Jan. 7, 2011, 124 Stat. 4328, as amended by Pub. L. 114-92, div. A, title XVI, §1605, Nov. 25, 2015, 129 Stat. 1099, provided that:

“(a) IN GENERAL.—Except as provided in subsections (b) and (c), none of the funds authorized to be appropriated or otherwise made available by this Act or any other Act for the Department of Defense may be obligated or expended to purchase user equipment for the Global Positioning System during fiscal years after fiscal year 2017 unless the equipment is capable of receiving the military code (commonly known as the ‘M code’) from the Global Positioning System.

“(b) EXCEPTION.—The limitation under subsection (a) shall not apply with respect to the purchase of passenger vehicles or commercial vehicles in which Global Positioning System equipment is installed.

“(c) WAIVER.—The Secretary of Defense may waive the limitation under subsection (a) if the Secretary determines that—

“(1) suitable user equipment capable of receiving the military code from the Global Positioning System is not available; or

“(2) with respect to a purchase of user equipment, the Department of Defense does not require that user equipment to be capable of receiving the military code from the Global Positioning System.

“(d) LIMITATION ON DELEGATION OF WAIVER AUTHORITY.—The Secretary of Defense may not delegate the authority to make a waiver under subsection (c) to an official below the level of the Secretaries of the military departments or the Under Secretary of Defense for Acquisition, Technology, and Logistics.”

#### AUTHORIZATION OF INTERAGENCY SUPPORT FOR GLOBAL POSITIONING SYSTEM

Pub. L. 106-405, §8, Nov. 1, 2000, 114 Stat. 1753, as amended by Pub. L. 109-364, div. A, title IX, §911, Oct. 17, 2006, 120 Stat. 2354, provided that: “The use of multi-agency funding and other forms of support is hereby authorized for the functions and activities of the following organizations established pursuant to the United States Space-Based Position, Navigation, and Timing Policy issued December 8, 2004 (and any successor organization, to the extent the successor organization performs the functions of the specified organization):

“(1) The interagency committee known as the National Space-Based Positioning, Navigation, and Timing Executive Committee.

“(2) The support office for the committee specified in paragraph (1) known as the National Space-Based Positioning, Navigation, and Timing Coordination Office.

“(3) The Federal advisory committee known as the National Space-Based Positioning, Navigation, and Timing Advisory Board.”

#### ENHANCED GLOBAL POSITIONING SYSTEM PROGRAM

Pub. L. 105-261, div. A, title II, §218, Oct. 17, 1998, 112 Stat. 1951, provided that:

“(a) POLICY ON PRIORITY FOR DEVELOPMENT OF ENHANCED GPS SYSTEM.—The development of an enhanced Global Positioning System is an urgent national security priority.

“(b) DEVELOPMENT REQUIRED.—To fulfill the requirements described in section 279(b) of the National Defense Authorization Act for Fiscal Year 1996 (Public Law 104-106; 110 Stat. 243) [set out as a note below] and section 2281 of title 10, United States Code, the Secretary of Defense shall develop an enhanced Global Positioning System in accordance with the priority declared in subsection (a). The enhanced Global Positioning System shall include the following elements:

“(1) An evolved satellite system that includes increased signal power and other improvements such as regional-level directional signal enhancements.

“(2) Enhanced receivers and user equipment that are capable of providing military users with direct access to encrypted Global Positioning System signals.

“(3) To the extent funded by the Secretary of Transportation, additional civil frequencies and other enhancements for civil users.

“(c) SENSE OF CONGRESS REGARDING FUNDING.—It is the sense of Congress that—

“(1) the Secretary of Defense should ensure that the future-years defense program provides for sufficient funding to develop and deploy an enhanced Global Positioning System in accordance with the priority declared in subsection (a); and

“(2) the Secretary of Transportation should provide sufficient funding to support additional civil frequencies for the Global Positioning System and other enhancements of the system for civil users.

“(d) PLAN FOR DEVELOPMENT OF ENHANCED GLOBAL POSITIONING SYSTEM.—Not later than April 15, 1999, the Secretary of Defense shall submit to Congress a plan for carrying out the requirements of subsection (b).

“(e) DELAYED EFFECTIVE DATE FOR LIMITATION ON PROCUREMENT OF SYSTEMS NOT GPS-EQUIPPED.—[Amended section 152(b) of Pub. L. 103-160, set out as a note below.]

“(f) FUNDING FROM AUTHORIZED APPROPRIATIONS FOR FISCAL YEAR 1999.—Of the amounts authorized to be appropriated under section 201(3) [112 Stat. 1946],

\$44,000,000 shall be available to establish and carry out an enhanced Global Positioning System program.”

SUSTAINMENT AND OPERATION OF GLOBAL POSITIONING SYSTEM

Pub. L. 105-85, div. A, title X, §1074(a), (b), Nov. 18, 1997, 111 Stat. 1907, provided that:

“(a) FINDINGS.—Congress makes the following findings:

“(1) The Global Positioning System (consisting of a constellation of satellites and associated facilities capable of providing users on earth with a highly precise statement of their location on earth) makes significant contributions to the attainment of the national security and foreign policy goals of the United States, the safety and efficiency of international transportation, and the economic growth, trade, and productivity of the United States.

“(2) The infrastructure for the Global Positioning System (including both space and ground segments of the infrastructure) is vital to the effectiveness of United States and allied military forces and to the protection of the national security interests of the United States.

“(3) In addition to having military uses, the Global Positioning System has essential civil, commercial, and scientific uses.

“(4) As a result of the increasing demand of civil, commercial, and scientific users of the Global Positioning System—

“(A) there has emerged in the United States a new commercial industry to provide Global Positioning System equipment and related services to the many and varied users of the system; and

“(B) there have been rapid technical advancements in Global Positioning System equipment and services that have contributed significantly to reductions in the cost of the Global Positioning System and increases in the technical capabilities and availability of the system for military uses.

“(5) It is in the national interest of the United States for the United States—

“(A) to support continuation of the multiple-use character of the Global Positioning System;

“(B) to promote broader acceptance and use of the Global Positioning System and the technological standards that facilitate expanded use of the system for civil purposes;

“(C) to coordinate with other countries to ensure (i) efficient management of the electromagnetic spectrum used by the Global Positioning System, and (ii) protection of that spectrum in order to prevent disruption of signals from the system and interference with that portion of the electromagnetic spectrum used by the system; and

“(D) to encourage open access in all international markets to the Global Positioning System and supporting equipment, services, and techniques.

“(b) INTERNATIONAL COOPERATION.—Congress urges the President to promote the security of the United States and its allies, the public safety, and commercial interests by taking the following steps:

“(1) Undertaking a coordinated effort within the executive branch to seek to establish the Global Positioning System, and augmentations to the system, as a worldwide resource.

“(2) Seeking to enter into international agreements to establish signal and service standards that protect the Global Positioning System from disruption and interference.

“(3) Undertaking efforts to eliminate any barriers to, and other restrictions of foreign governments on, peaceful uses of the Global Positioning System.

“(4) Requiring that any proposed international agreement involving nonmilitary use of the Global Positioning System or any augmentation to the system not be agreed to by the United States unless the proposed agreement has been reviewed by the Secretary of State, the Secretary of Defense, the Secretary of Transportation, and the Secretary of Com-

merce (acting as the Interagency Global Positioning System Executive Board established by Presidential Decision Directive NSTC-6, dated March 28, 1996).”

ACCESS TO GLOBAL POSITIONING SYSTEM

Pub. L. 104-106, div. A, title II, §279, Feb. 10, 1996, 110 Stat. 243, provided that:

“(a) CONDITIONAL PROHIBITION ON USE OF SELECTIVE AVAILABILITY FEATURE.—Except as provided in subsection (b), after May 1, 1996, the Secretary of Defense may not (through use of the feature known as ‘selective availability’) deny access of non-Department of Defense users to the full capabilities of the Global Positioning System.

“(b) PLAN.—Subsection (a) shall cease to apply upon submission by the Secretary of Defense to the Committee on Armed Services of the Senate and the Committee on National Security of the House of Representatives of a plan for enhancement of the Global Positioning System that provides for—

“(1) development and acquisition of effective capabilities to deny hostile military forces the ability to use the Global Positioning System without hindering the ability of United States military forces and civil users to have access to and use of the system, together with a specific date by which those capabilities could be operational; and

“(2) development and acquisition of receivers for the Global Positioning System and other techniques for weapons and weapon systems that provide substantially improved resistance to jamming and other forms of electronic interference or disruption, together with a specific date by which those receivers and other techniques could be operational with United States military forces.”

LIMITATION ON PROCUREMENT OF SYSTEMS NOT GPS-EQUIPPED

Pub. L. 103-160, div. A, title I, §152(b), Nov. 30, 1993, 107 Stat. 1578, as amended by Pub. L. 105-261, div. A, title II, §218(e), Oct. 17, 1998, 112 Stat. 1952; Pub. L. 109-163, div. A, title II, §260(a), Jan. 6, 2006, 119 Stat. 3185, provided that: “After September 30, 2007, funds may not be obligated to modify or procure any Department of Defense aircraft, ship, armored vehicle, or indirect-fire weapon system that is not equipped with a Global Positioning System receiver.”

[Pub. L. 109-163, div. A, title II, §260(b), Jan. 6, 2006, 119 Stat. 3186, provided that: “The amendment made by subsection (a) [amending section 152(b) of Pub. L. 103-160, set out above] shall be deemed to have taken effect at the close of September 30, 2005, and any obligation or expenditure of funds by the Department of Defense during the period beginning on October 1, 2005, and ending on the date of the enactment of this Act [Jan. 6, 2006] to modify or procure a Department of Defense aircraft, ship, armored vehicle, or indirect-fire weapon system that is not equipped with a Global Positioning System receiver is hereby ratified with respect to the provision of law specified in subsection (a).”]

**[§ 2282. Repealed. Pub. L. 114-328, div. A, title XII, § 1241(d)(5)(A), Dec. 23, 2016, 130 Stat. 2504]**

Section, added Pub. L. 113-291, div. A, title XII, §1205(a)(1), Dec. 19, 2014, 128 Stat. 3533, related to authority to build the capacity of foreign security forces. See section 333 of this title.

A prior section 2282, added Pub. L. 106-398, §1 [[div. A], title I, §131(a)(1)], Oct. 30, 2000, 114 Stat. 1654, 1654A-28; amended Pub. L. 108-136, div. A, title X, §1031(a)(14), Nov. 24, 2003, 117 Stat. 1597, related to annual report on the B-2 bomber aircraft, prior to repeal by Pub. L. 112-81, div. A, title X, §1061(13)(A), Dec. 31, 2011, 125 Stat. 1583.