

## HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
70102(a) .....	42 U.S.C. 2465a(a).	Pub. L. 101-611, title I, §112(a), (c), (d), Nov. 16, 1990, 104 Stat. 3198, 3199.
70102(b) .....	42 U.S.C. 2465a(c).	
70102(c) .....	42 U.S.C. 2465a(d).	

## AMENDMENTS

2015—Pub. L. 114-90 amended section generally. Prior to amendment, section related to space shuttle use policy.

## FLIGHT OPPORTUNITIES

Pub. L. 115-10, title VIII, §826, Mar. 21, 2017, 131 Stat. 65, provided that:

“(a) DEVELOPMENT OF PAYLOADS.—

“(1) IN GENERAL.—In order to conduct necessary research, the Administrator [of the National Aeronautics and Space Administration] shall continue and, as the Administrator considers appropriate, expand the development of technology payloads for—

“(A) scientific research; and

“(B) investigating new or improved capabilities.

“(2) FUNDS.—For the purpose of carrying out paragraph (1), the Administrator shall make funds available for—

“(A) flight testing;

“(B) payload development; and

“(C) hardware related to subparagraphs (A) and (B).

“(b) REAFFIRMATION OF POLICY.—Congress reaffirms that the Administrator should provide flight opportunities for payloads to microgravity environments and suborbital altitudes as authorized by section 907 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18405).”

## SECONDARY PAYLOAD CAPABILITY

Pub. L. 109-155, title VI, §602, Dec. 30, 2005, 119 Stat. 2931, provided that:

“(a) IN GENERAL.—In order to provide more routine and affordable access to space for a broad range of scientific payloads, the Administrator is encouraged to provide the capabilities to support secondary payload flight opportunities on United States launch vehicles, or free flyers, for satellites or scientific payloads weighing less than 500 kilograms.

“(b) FEASIBILITY STUDY.—The Administrator shall initiate a feasibility study for designating a National Free Flyer Launch Coordination Center as a means of coordinating, consolidating, and integrating secondary launch capabilities, launch opportunities, and payloads.

“(c) ASSESSMENT.—The feasibility study required by subsection (b) shall include an assessment of the feasibility of integrating a National Free Flyer Launch Coordination Center within the operations and facilities of an existing nonprofit organization such as the Inland Northwest Space Alliance in Missoula, Montana, or a similar entity, and shall include an assessment of the potential utilization of existing launch and launch support facilities and capabilities, including but not limited to those in the States of Montana and New Mexico and their respective contiguous States, and the State of Alaska, for the integration and launch of secondary payloads, including an assessment of the feasibility of establishing cooperative agreements among such facilities, existing or future commercial launch providers, payload developers, and the designated Coordination Center.”

**§ 70103. Commercial payloads on space launch system**

(a) DEFINITIONS.—In this section:

(1) LAUNCH VEHICLE.—The term “launch vehicle” means any vehicle constructed for the

purpose of operating in, or placing a payload in, outer space.

(2) PAYLOAD.—The term “payload” means an object which a person undertakes to place in outer space by means of a launch vehicle, and includes subcomponents of the launch vehicle specifically designed or adapted for that object.

(b) IN GENERAL.—Commercial payloads may not be accepted for launch as primary payloads on the space launch system unless the Administrator determines that—

(1) the payload requires the unique capabilities of the space launch system; or

(2) launching of the payload on the space launch system is important for either national security or foreign policy purposes.

(Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3428; Pub. L. 114-90, title I, §117(a)(4), Nov. 25, 2015, 129 Stat. 718.)

## HISTORICAL AND REVISION NOTES

Revised Section	Source (U.S. Code)	Source (Statutes at Large)
70103(a) .....	42 U.S.C. 2465c.	Pub. L. 101-611, title II, §203, Nov. 16, 1990, 104 Stat. 3206; Pub. L. 105-303, title II, §203(2), Oct. 28, 1998, 112 Stat. 2855.
70103(b) .....	42 U.S.C. 2465f.	Pub. L. 101-611, title II, §206, Nov. 16, 1990, 104 Stat. 3207; Pub. L. 105-303, title II, §203(4), Oct. 28, 1998, 112 Stat. 2855.

In subsection (a), the words “this section” are substituted for “this title”, meaning title II of Public Law 101-611, because title II of Public Law 101-611 was previously repealed except for section 201 (a short title provision, classified to 42 U.S.C. 2451 note, in which neither defined term appears) and sections 203 (42 U.S.C. 2465c) and 206 (42 U.S.C. 2465f) of Public Law 101-611, which are restated in this section.

## AMENDMENTS

2015—Pub. L. 114-90 substituted “space launch system” for “space shuttle” in section catchline and wherever appearing in text.

**§ 70104. Definition of Space Launch System**

In this chapter, the term “Space Launch System” means the Space Launch System authorized under section 302 of the National Aeronautics and Space Administration Authorization Act of 2010 (42 U.S.C. 18322).

(Added Pub. L. 114-90, title I, §117(a)(5), Nov. 25, 2015, 129 Stat. 718.)

**[CHAPTER 703—REPEALED]****§§ 70301 to 70304. Repealed. Pub. L. 115-10, title IV, § 416(b), Mar. 21, 2017, 131 Stat. 35]**

Section 70301, Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3428, set out Congressional findings.

Section 70302, Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3429, related to purpose, policy, and goals of chapter.

Section 70303, Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3429, defined “additive cost”.

Section 70304, Pub. L. 111-314, §3, Dec. 18, 2010, 124 Stat. 3429, related to duties of Administrator.

**CHAPTER 705—EXPLORATION INITIATIVES**

Sec.

70501. Space shuttle follow-on.

- Sec.
- 70502. Exploration plan and programs.
- 70503. Ground-based analog capabilities.
- 70504. Stepping stone approach to exploration.
- 70505. Lunar outpost.
- 70506. Exploration technology research.
- 70507. Technology development.
- 70508. Robotic or human servicing of spacecraft.

**§ 70501. Space shuttle follow-on**

(a) **POLICY STATEMENT.**—In order to ensure continuous United States participation and leadership in the exploration and utilization of space and as an essential instrument of national security, it is the policy of the United States to maintain an uninterrupted capability for human space flight and operations—

- (1) in low-Earth orbit; and
- (2) beyond low-Earth orbit once the capabilities described in section 421(f) of the National Aeronautics and Space Administration Transition Authorization Act of 2017 become available.

(b) **ANNUAL REPORT.**—The Administrator shall transmit an annual report to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives describing the progress being made toward developing the Space Launch System and Orion and the estimated time before they will demonstrate crewed, orbital spaceflight.

(Pub. L. 111–314, § 3, Dec. 18, 2010, 124 Stat. 3430; Pub. L. 115–10, title IV, § 417, Mar. 21, 2017, 131 Stat. 35.)

HISTORICAL AND REVISION NOTES

<i>Revised Section</i>	<i>Source (U.S. Code)</i>	<i>Source (Statutes at Large)</i>
70501(a) .....	42 U.S.C. 16761(a).	Pub. L. 109–155, title V, § 501(a), (b), Dec. 30, 2005, 119 Stat. 2927.
70501(b) .....	42 U.S.C. 16761(b).	

In subsection (b), the words “The Administrator shall transmit an annual report” are substituted for “Not later than 180 days after the date of enactment of this Act [December 30, 2005] and annually thereafter, the Administrator shall transmit a report” to eliminate obsolete language.

In subsection (b), the words “Committee on Science and Technology” are substituted for “Committee on Science” on authority of Rule X(1)(o) of the Rules of the House of Representatives, adopted by House Resolution No. 6 (110th Congress, January 5, 2007).

REFERENCES IN TEXT

Section 421(f) of the National Aeronautics and Space Administration Transition Authorization Act of 2017, referred to in subsec. (a)(2), is section 421(f) of Pub. L. 115–10, which is set out as a note under section 20301 of this title.

AMENDMENTS

2017—Subsec. (a). Pub. L. 115–10, § 417(1), amended subsec. (a) generally. Prior to amendment, text read as follows: “It is the policy of the United States to possess the capability for human access to space on a continuous basis.”

Subsec. (b). Pub. L. 115–10, § 417(2), substituted “Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives describing the progress being made toward developing the Space Launch System and Orion” for “Committee on Science

and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate describing the progress being made toward developing the Crew Exploration Vehicle and the Crew Launch Vehicle”.

CHANGE OF NAME

Committee on Science and Technology of House of Representatives changed to Committee on Science, Space, and Technology of House of Representatives by House Resolution No. 5, One Hundred Twelfth Congress, Jan. 5, 2011.

TRANSITION

Pub. L. 110–422, title VI, § 613, Oct. 15, 2008, 122 Stat. 4799, provided that:

“(a) **DISPOSITION OF SHUTTLE-RELATED ASSETS.**—

“(1) **IN GENERAL.**—Not later than 90 days after the date of enactment of this Act [Oct. 15, 2008], the Administrator [of NASA] shall submit to Congress a plan describing the process for the disposition of the remaining Space Shuttle Orbiters and other Space Shuttle program-related hardware after the retirement of the Space Shuttle fleet.

“(2) **PLAN REQUIREMENTS.**—The plan submitted under paragraph (1) shall include a description of a process by which educational institutions, science museums, and other appropriate organizations may acquire, through loan or disposal by the Federal Government, Space Shuttle program hardware.

“(3) **PROHIBITION ON DISPOSITION BEFORE COMPLETION OF PLAN.**—The Administrator shall not dispose of any Space Shuttle program hardware before the plan required by paragraph (1) is submitted to Congress.

“(b) **SPACE SHUTTLE TRANSITION LIAISON OFFICE.**—

“(1) **ESTABLISHMENT.**—The Administrator shall develop a plan and establish a Space Shuttle Transition Liaison Office within the Office of Human Capital Management of NASA [National Aeronautics and Space Administration] to assist local communities affected by the termination of the Space Shuttle program in mitigating the negative impacts on such communities caused by such termination. The plan shall define the size of the affected local community that would receive assistance described in paragraph (2).

“(2) **MANNER OF ASSISTANCE.**—In providing assistance under paragraph (1), the office established under such paragraph shall—

“(A) offer nonfinancial, technical assistance to communities described in such paragraph to assist in the mitigation described in such paragraph; and

“(B) serve as a clearinghouse to assist such communities in identifying services available from other Federal, State, and local agencies to assist in such mitigation.

“(3) **TERMINATION OF OFFICE.**—The office established under paragraph (1) shall terminate 2 years after the completion of the last Space Shuttle flight.

“(4) **SUBMISSION.**—Not later than 180 days after the date of enactment of this Act [Oct. 15, 2008], NASA shall provide a copy of the plan required by paragraph (1) to the Congress.”

Pub. L. 110–161, div. B, title III, Dec. 26, 2007, 121 Stat. 1919, provided that: “The Administrator of the National Aeronautics and Space Administration shall prepare a strategy for minimizing job losses when the National Aeronautics and Space Administration transitions from the Space Shuttle to a successor human-rated space transport vehicle. This strategy shall include: (1) specific initiatives that the National Aeronautics and Space Administration has undertaken, or plans to undertake, to maximize the utilization of existing civil service and contractor workforces at each of the affected Centers; (2) efforts to equitably distribute tasks and workload between the Centers to mitigate the brunt of job losses being borne by only certain Centers; (3) new workload, tasks, initiatives, and missions being secured for the affected Centers; and (4) overall projec-