

(Pub. L. 111-267, title II, §203, Oct. 11, 2010, 124 Stat. 2812; Pub. L. 112-273, §2, Jan. 14, 2013, 126 Stat. 2454; Pub. L. 115-10, title IV, §416(a), Mar. 21, 2017, 131 Stat. 34.)

### Editorial Notes

#### REFERENCES IN TEXT

Any other subchapter of this chapter, referred to in subsec. (d), was in the original “any other title of this Act”, meaning any other title of Pub.L. 111-267, Oct. 11, 2010, 124 Stat. 2805. In addition to title II which is classified generally to this subchapter, Pub. L. 111-267 contains titles III to XII which are classified generally to subchapters II to XI, respectively, of this chapter and titles I and XIII, 126 Stat. 2809, 2846, which are not classified to the Code.

#### AMENDMENTS

2017—Subsec. (b). Pub. L. 115-10, §416(a)(1), (3), redesignated subsec. (c) as (b) and struck out former subsec. (b). Prior to amendment, text of subsec. (b) read as follows:

“(1) DEVELOPMENT OF FOLLOW-ON SPACE TRANSPORTATION SYSTEMS.—The Administrator shall proceed with the development of follow-on space transportation systems in a manner that ensures that the national capability to restart and fly Space Shuttle missions can be initiated if required by the Congress, in an Act enacted after October 11, 2010, or by a Presidential determination transmitted to the Congress, before the last Space Shuttle mission authorized by this chapter is completed.

“(2) REQUIRED ACTIONS.—In carrying out the requirement in paragraph (1), the Administrator shall authorize refurbishment of the manufactured external tank of the Space Shuttle, designated as ET-94, and take all actions necessary to enable its readiness for use in the Space Launch System development as a critical skills and capability retention effort or for test purposes, while preserving the ability to use this tank if needed for an ISS contingency if deemed necessary under paragraph (1).”

Subsecs. (c), (d). Pub. L. 115-10, §416(a)(2), (3), substituted “subsection (b)” for “subsection (c)” in subsec. (d) and redesignated subsec. (d) as (c). Former subsec. (c) redesignated (b).

2013—Subsecs. (c), (d). Pub. L. 112-273 added subsecs. (c) and (d).

## SUBCHAPTER II—EXPANSION OF HUMAN SPACE FLIGHT BEYOND THE INTERNATIONAL SPACE STATION AND LOW-EARTH ORBIT

### § 18321. Human space flight beyond low-Earth orbit

#### (a) Findings

Congress makes the following findings:

(1) The extension of the human presence from low-Earth orbit to other regions of space beyond low-Earth orbit will enable missions to the surface of the Moon and missions to deep space destinations such as near-Earth asteroids and Mars.

(2) The regions of cis-lunar space are accessible to other national and commercial launch capabilities, and such access raises a host of national security concerns and economic implications that international human space endeavors can help to address.

(3) The ability to support human missions in regions beyond low-Earth orbit and on the surface of the Moon can also drive developments in emerging areas of space infrastructure and technology.

(4) Developments in space infrastructure and technology can stimulate and enable increased space applications, such as in-space servicing, propellant resupply and transfer, and in situ resource utilization, and open opportunities for additional users of space, whether national, commercial, or international.

(5) A long term objective for human exploration of space should be the eventual international exploration of Mars.

(6) Future international missions beyond low-Earth orbit should be designed to incorporate capability development and availability, affordability, and international contributions.

(7) Human space flight and future exploration beyond low-Earth orbit should be based around a pay-as-you-go approach. Requirements in new launch and crew systems authorized in this chapter should be scaled to the minimum necessary to meet the core national mission capability needed to conduct cis-lunar missions. These initial missions, along with the development of new technologies and in-space capabilities can form the foundation for missions to other destinations. These initial missions also should provide operational experience prior to the further human expansion into space.

#### (b) Report on international collaboration

##### (1) Report required

Not later than 120 days after October 11, 2010, the Administrator shall submit to the appropriate committees of Congress a report on the following assets and capabilities:

(A) Any effort by NASA to expand and ensure effective international collaboration on the ISS.

(B) The efforts of NASA, including its approach and progress, in defining near-term, cis-lunar space human missions.

##### (2) NASA contributions

In preparing the report required by paragraph (1), the Administrator shall assume that NASA will contribute to the efforts described in that paragraph the following:

(A) A Space Launch System.

(B) A multi-purpose crew vehicle.

(C) Such other technology elements the Administrator may consider appropriate, and which the Administrator shall specifically identify in the report.

(Pub. L. 111-267, title III, §301, Oct. 11, 2010, 124 Stat. 2813.)

### § 18322. Space Launch System as follow-on launch vehicle to the Space Shuttle

#### (a) United States policy

It is the policy of the United States that NASA develop a Space Launch System as a follow-on to the Space Shuttle that can access cis-lunar space and the regions of space beyond low-Earth orbit in order to enable the United States to participate in global efforts to access and develop this increasingly strategic region.

#### (b) Initiation of development

##### (1) In general

The Administrator shall, as soon as practicable after October 11, 2010, initiate develop-