

Launch System and Multi-purpose Crew Vehicle authorized by this chapter, whichever occurs first, the Administrator shall provide a detailed report to the appropriate committees of Congress that provides an overall description of the reference vehicle design, the assumptions, description, data, and analysis of the systems trades and resolution process, justification of trade decisions, the design factors which implement the essential system and vehicle capability requirements established by this chapter, the explanation and justification of any deviations from those requirements, the plan for utilization of existing contracts, civil service and contract workforce, supporting infrastructure utilization and modifications, and procurement strategy to expedite development activities through modification of existing contract vehicles, and the schedule of design and development milestones and related schedules leading to the accomplishment of operational goals established by this chapter. The Administrator shall provide an update of this report as part of the President's annual Budget Request.

(Pub. L. 111-267, title III, §309, Oct. 11, 2010, 124 Stat. 2819.)

SUBCHAPTER III—DEVELOPMENT AND USE OF COMMERCIAL CREW AND CARGO TRANSPORTATION CAPABILITIES

§ 18341. Commercial Cargo Development program

The Administrator shall continue to support the existing Commercial Orbital Transportation Services program, aimed at enabling the commercial space industry in support of NASA to develop reliable means of launching cargo and supplies to the ISS throughout the duration of the facility's operation. The Administrator may apply funds towards the reduction of risk to the timely start of these services, specifically—

- (1) efforts to conduct a flight test;
- (2) accelerate development; and
- (3) develop the ground infrastructure needed for commercial cargo capability.

(Pub. L. 111-267, title IV, §401, Oct. 11, 2010, 124 Stat. 2820.)

§ 18342. Requirements applicable to development of commercial crew transportation capabilities and services

(a) FY 2011 contracts and procurement agreements

(1) In general

Except as provided in paragraph (2), the Administrator may not execute a contract or procurement agreement with respect to follow-on commercial crew services during fiscal year 2011.

(2) Exception

Notwithstanding paragraph (1), the Administrator may execute a contract or procurement agreement with respect to follow-on commercial crew services during fiscal year 2011 if—

- (A) the requirements of paragraphs (1), (2), and (3) of subsection (b) are met; and
- (B) the total amount involved for all such contracts and procurement agreements exe-

cuted during fiscal year 2011 does not exceed \$50,000,000 for fiscal year 2011.

(b) Support

The Administrator may, beginning in fiscal year 2012 through the duration of the program, support follow-on commercially-developed crew transportation systems dependent upon the completion of each of the following:

(1) Human rating requirements

Not later than 60 days after October 11, 2010, the Administrator shall develop and make available to the public detailed human rating processes and requirements to guide the design of commercially-developed crew transportation capabilities, which requirements shall be at least equivalent to proven requirements for crew transportation in use as of October 11, 2010.

(2) Commercial market assessment

Not later than 180 days after October 11, 2010, the Administrator shall submit to the appropriate committees of Congress an assessment, conducted, in coordination with the Federal Aviation Administration's Office of Commercial Space Transportation, for purposes of this paragraph, of the potential non-Government market for commercially-developed crew and cargo transportation systems and capabilities, including an assessment of the activities associated with potential private sector utilization of the ISS research and technology development capabilities and other potential activities in low-Earth orbit.

(3) Procurement system review

The Administrator shall review current Government procurement and acquisition practices and processes, including agreement authorities under the National Aeronautics and Space Act of 1958,¹ to determine the most cost-effective means of procuring commercial crew transportation capabilities and related services in a manner that ensures appropriate accountability, transparency, and maximum efficiency in the procurement of such capabilities and services, which review shall include an identification of proposed measures to address risk management and means of indemnification of commercial providers of such capabilities and services, and measures for quality control, safety oversight, and the application of Federal oversight processes within the jurisdiction of other Federal agencies. A description of the proposed procurement process and justification of the proposed procurement for its selection shall be included in any proposed initiation of procurement activity for commercially-developed crew transportation capabilities and services and shall be subject to review by the appropriate committees of Congress before the initiation of any competitive process to procure such capabilities or services. In support of the review by such committees, the Comptroller General shall undertake an assessment of the proposed procurement process and provide a report to the appropriate committees of Congress within 90

¹ See References in Text note below.