

procurement policy to purchase electronic parts from trusted or approved manufacturers. To determine trusted or approved manufacturers, the Administrator shall establish a list, assessed and adjusted at least annually, and create criteria for manufacturers to meet in order to be placed onto the list.

(2) Criteria

The criteria may include—

- (A) authentication or encryption codes;
- (B) embedded security markings in parts;
- (C) unique, harder to copy labels and markings;
- (D) identifying distinct lot and serial codes on external packaging;
- (E) radio frequency identification embedded into high-value parts;
- (F) physical destruction of all defective, damaged, and sub-standard parts that are by-products of the manufacturing process;
- (G) testing certifications;
- (H) maintenance of procedures for handling any counterfeit parts that slip through;
- (I) maintenance of secure facilities to prevent unauthorized access to proprietary information; and
- (J) maintenance of product return, buy back, and inventory control practices that limit counterfeiting.

(d) Report to Congress

Within one year after October 11, 2010, the Administrator shall report on the progress of implementing this section to the appropriate committees of Congress.

(Pub. L. 111-267, title XII, §1206, Oct. 11, 2010, 124 Stat. 2843.)

§ 18445. Information security

(a) Monitoring risk

(1) Update on system implementation

Not later than 120 days after October 11, 2010, and on a biennial basis thereafter, the chief information officer of NASA, in coordination with other national security agencies, shall provide to the appropriate committees of Congress—

- (A) an update on efforts to implement a system to provide dynamic, comprehensive, real-time information regarding risk of unauthorized remote, proximity, and insider use or access, for all information infrastructure under the responsibility of the chief information officer, and mission-related networks, including contractor networks;

- (B) an assessment of whether the system has demonstrably and quantifiably reduced network risk compared to alternative methods of measuring security; and

- (C) an assessment of the progress that each center and facility has made toward implementing the system.

(2) Existing assessments

The assessments required of the Inspector General under section 3545 of title 44 shall evaluate the effectiveness of the system described in this subsection.

(b) Information security awareness and education

(1) In general

In consultation with the Department of Education, other national security agencies, and other agency directorates, the chief information officer shall institute an information security awareness and education program for all operators and users of NASA information infrastructure, with the goal of reducing unauthorized remote, proximity, and insider use or access.

(2) Program requirements

- (A) The program shall include, at a minimum, ongoing classified and unclassified threat-based briefings, and automated exercises and examinations that simulate common attack techniques.

- (B) All agency employees and contractors engaged in the operation or use of agency information infrastructure shall participate in the program.

- (C) Access to NASA information infrastructure shall only be granted to operators and users who regularly satisfy the requirements of the program.

- (D) The chief human capital officer of NASA, in consultation with the chief information officer, shall create a system to reward operators and users of agency information infrastructure for continuous high achievement in the program.

(c) Information infrastructure defined

In this section, the term “information infrastructure” means the underlying framework that information systems and assets rely on to process, transmit, receive, or store information electronically, including programmable electronic devices and communications networks and any associated hardware, software, or data.

(Pub. L. 111-267, title XII, §1207, Oct. 11, 2010, 124 Stat. 2844.)