

(2) recommend specific actions by the Commission and the NTIA to permit unlicensed or licensed by rule operations in additional radio frequency ranges that the Commission finds—

(A) are consistent with the statement of policy under section 1507(a) of this title;

(B) will—

(i) expand opportunities for unlicensed or licensed by rule operations in a spectrum band; or

(ii) otherwise improve spectrum utilization and intensity of use of bands where unlicensed or licensed by rule operations are already permitted;

(C) will not cause harmful interference to Federal or non-Federal users of such bands; and

(D) will not significantly impact homeland security or national security communications systems; and

(3) examine additional ways, with respect to existing and planned databases or spectrum access systems designed to promote spectrum sharing and access to spectrum for unlicensed or licensed by rule operations—

(A) to improve accuracy and efficacy;

(B) to reduce burdens on consumers, manufacturers, and service providers; and

(C) to protect sensitive Government information.

**(d) Spectrum Relocation Fund**

To be included as an appendix as part of the plan developed under this section, the NTIA, in consultation with the Director of the Office of Management and Budget, shall share with the Commission recommendations about how to reform the Spectrum Relocation Fund—

(1) to address costs incurred by Federal entities related to sharing radio frequency bands with radio technologies conducting unlicensed or licensed by rule operations; and

(2) to ensure the Spectrum Relocation Fund has sufficient funds to cover—

(A) the costs described in paragraph (1); and

(B) other expenditures allowed of the Spectrum Relocation Fund under section 928 of this title.

**(e) Report required**

**(1) In general**

Not later than 18 months after March 23, 2018, the Commission shall submit to the appropriate committees of Congress a report that describes the plan developed under this section, including any recommendations for legislative change.

**(2) Publication on commission website**

Not later than the date on which the Commission submits the report under paragraph (1), the Commission shall make the report publicly available on the website of the Commission.

**(f) Rule of construction**

Nothing in this section confers any additional rights on unlicensed users or users licensed by rule under part 96 of title 47, Code of Federal Regulations, to protection from harmful interference.

(Pub. L. 115-141, div. P, title VI, §618, Mar. 23, 2018, 132 Stat. 1112.)

**§ 1509. Spectrum Challenge Prize**

**(a) Short title**

This section may be cited as the “Spectrum Challenge Prize Act”.

**(b) Definition of prize competition**

In this section, the term “prize competition” means a prize competition conducted by the Secretary under subsection (c)(1).

**(c) Spectrum Challenge Prize**

**(1) In general**

The Secretary, in consultation with the Assistant Secretary of Commerce for Communications and Information and the Under Secretary of Commerce for Standards and Technology, shall, subject to the availability of funds for prize competitions under this section—

(A) conduct prize competitions to dramatically accelerate the development and commercialization of technology that improves spectrum efficiency and is capable of cost-effective deployment; and

(B) define a measurable set of performance goals for participants in the prize competitions to demonstrate their solutions on a level playing field while making a significant advancement over the current state of the art.

**(2) Authority of Secretary**

In carrying out paragraph (1), the Secretary may—

(A) enter into a grant, contract, cooperative agreement, or other agreement with a private sector for-profit or nonprofit entity to administer the prize competitions;

(B) invite the Defense Advanced Research Projects Agency, the Commission, the National Aeronautics and Space Administration, the National Science Foundation, or any other Federal agency to provide advice and assistance in the design or administration of the prize competitions; and

(C) award not more than \$5,000,000, in the aggregate, to the winner or winners of the prize competitions.

**(d) Criteria**

Not later than 180 days after the date on which funds for prize competitions are made available pursuant to this section, the Commission shall publish a technical paper on spectrum efficiency providing criteria that may be used for the design of the prize competitions.

**(e) Authorization of appropriations**

There are authorized to be appropriated such sums as may be necessary to carry out this section.

(Pub. L. 115-141, div. P, title VI, §619, Mar. 23, 2018, 132 Stat. 1113.)

**§ 1510. Wireless telecommunications tax and fee collection fairness**

**(a) Short title**

This section may be cited as the “Wireless Telecommunications Tax and Fee Collection Fairness Act”.