
15 U.S. Code § 278t

Advanced communications research activities

(a) Advanced communications research

(1) In general

The Director, in consultation with the Assistant Secretary for Communications and Information, the Director of the National Science Foundation, and heads of other Federal agencies, as appropriate, shall carry out a program of measurement research for advanced communications technologies.

(2) Research areas

Research areas may include—

- (A) radio frequency emissions and interference, including technologies and techniques to mitigate such emissions and interference;
- (B) advanced antenna arrays and artificial intelligence systems capable of operating advanced antenna arrays;
- (C) artificial intelligence systems to enable internet of things networks, immersive technology, and other advanced communications technologies;
- (D) network sensing and monitoring technologies;
- (E) technologies to enable spectrum flexibility and agility;
- (F) optical and quantum communications technologies;
- (G) security of advanced communications systems;
- (H) public safety communications;
- (I) resilient internet of things applications for advanced manufacturing; and
- (J) other research areas determined necessary by the Director.

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