

# 15 U.S. Code § 8853

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## Department of Energy quantum network infrastructure research and development program

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### **(a) In general**

The Secretary of Energy (referred to in this section as the “Secretary”) shall carry out a research, development, and demonstration program to accelerate innovation in quantum network infrastructure in order to—

- (1) facilitate the advancement of distributed quantum computing systems through the internet and intranet;
- (2) improve the precision of measurements of scientific phenomena and physical imaging technologies;
- (3) develop secure national quantum communications technologies and strategies;
- (4) demonstrate quantum networking utilizing the Department of Energy’s Energy Sciences Network User Facility; and
- (5) advance the relevant domestic supply chains, manufacturing capabilities, and associated simulations or modeling capabilities.

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