

**H.R. 2981**  
***TECHNOLOGY AND RESEARCH ACCELERATING NATIONAL SECURITY AND***  
***FUTURE ECONOMIC RESILIENCE ACT of 2013***  
**Section-by-Section Analysis**

Section 1. Short Title. Lists the short title of the bill.

Section 2. Innovative Approaches to Technology Transfer. Directs each Federal agency required to establish a Small Business Technology Transfer (STTR) program to carry out a grant program to support innovative approaches to technology transfer at institutions of higher education, non-profit research institutions and Federal laboratories to accelerate the commercialization of federally funded research and technology by small business concerns, including new businesses.

Directs participating agencies to award, through a competitive, merit-based process, grants to institutions of higher education, technology transfer organizations that facilitate the commercialization of technologies developed by one or more such institutions of higher education, Federal laboratories, other public and private nonprofit entities, and consortia thereof, for initiatives that help identify high-quality, commercially viable federally funded research and technologies and to facilitate and accelerate their transfer into the marketplace.

Activities supported by grants under this section may include providing early-stage proof of concept funding for translational research; identifying research and technologies at recipient institutions that have the potential for accelerated commercialization; technology maturation funding to support activities such as prototype construction, experiment analysis, product comparison, and collecting performance data; technical validations, market research, clarifying intellectual property rights position and strategy, and investigating commercial and business opportunities; and programs to provide advice, mentoring, entrepreneurial education, project management, and technology and business development expertise to innovators and recipients of technology transfer licenses to maximize commercialization potential.

Qualifying institutions seeking a grant under this subsection shall submit an application to a participating Federal agency at such time, in such manner, and containing such information as the agency may require. The application shall include: a description of innovative approaches to technology transfer, technology development, and commercial readiness that have the potential to increase or accelerate technology transfer outcomes and can be adopted by other qualifying institutions; or a demonstration of proven technology transfer and commercialization strategies, or a plan to implement proven technology transfer and commercialization strategies, that can achieve greater commercialization of federally funded research and technologies with program funding. Applications shall also include a description of how the qualifying institution will contribute to local and regional economic development efforts; and a plan for sustainability beyond the duration of the funding award.

Successful proposals shall include a plan to assemble a Program Oversight Board, the members of which shall have technical, scientific, or business expertise and shall be drawn from industry, start-up companies, venture capital, technical enterprises, financial institutions, and business development organizations. Program Oversight Boards shall establish award programs for individual projects; provide rigorous evaluation of project applications; determine which projects should receive awards; establish milestones and associated award amounts for projects that reach milestones; determine whether awarded projects are reaching milestones; and develop a process to reallocate outstanding award amounts from projects that are not reaching milestones to other projects with more potential.

Each Federal agency required to carry out a grant program may make grants to a qualifying institution for up to \$1,000,000 per year for up to 3 years. Each qualifying institution that receives a grant shall provide awards for individual projects of not more than \$150,000, to be provided in phased amounts, based on reaching the milestones established by the qualifying institution's Program Oversight Board.

The percentage of the extramural budget each participating Federal agency shall expend on the Innovative Approaches to Technology Transfer Grant Program shall be 0.05 percent for each of fiscal years 2014 and 2015; and 0.1 percent for each of fiscal years 2016 and 2017. Any portion of the extramural budget expended by a Federal agency on the Innovative Approaches to Technology Transfer Grant Program shall apply towards the agency's STTR expenditure requirements.

Each participating Federal agency shall develop a program evaluation plan and collect annually such information from grantees as is necessary to assess the Program. Program evaluation plans shall require the collection of data aimed at identifying outcomes resulting from the transfer of technology with assistance from the Innovative Approaches to Technology Transfer Grant Program, such as specific follow-on funding identified or obtained, including follow-on funding sources, such as Federal sources or private sources; number of projects which result in a license to a start-up company or an established company with sufficient resources for effective commercialization within 5 years of receiving an award; invention disclosures and patents; number of projects supported by qualifying institutions receiving a grant that secure Phase I or Phase II SBIR or STTR awards; available information on revenue, sales or other measures of products that have been commercialized as a result of awarded projects; number and location of jobs created resulting from awarded projects; and other data as deemed appropriate by a Federal agency to develop a program evaluation plan.

The head of each Federal agency that participates in the Innovative Approaches to Technology Transfer Grant Program shall submit to the Committee on Science, Space, and Technology and the Committee on Small Business of the House of Representatives and the Committee on Small Business and Entrepreneurship of the Senate an evaluative report regarding the activities of the program. The report shall include a detailed description of the implementation of the program; a detailed description of the grantee

selection process; an accounting of the funds used in the program; and a summary of the data collected under the program evaluation plan.

For the purposes of program transparency and dissemination of best practices, the Administrator shall include on the Small Business Innovation Program public database information on the Innovative Approaches to Technology Transfer Grant Program, including the program evaluation plan required; a list of recipients of awards; and information on the use of grants by recipient institutions.