

of the Act of March 3, 1901, [15 U.S.C. 278k(c)(2)], shall be considered to have been met by the publication made by the National Bureau of Standards on July 18, 1988 (53 Fed. Reg. 27060).’’

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in sections 272, 278g-5, 278I of this title; title 10 section 2199.

§ 278I. Assistance to State technology programs

(a) In addition to the Centers program created under section 278k of this title, the Secretary, through the Director and, if appropriate, through other officials, shall provide technical assistance to State technology programs throughout the United States, in order to help those programs help businesses, particularly small- and medium-sized businesses, to enhance their competitiveness through the application of science and technology.

(b) Such assistance from the Institute to State technology programs shall include, but not be limited to—

- (1) technical information and advice from Institute personnel;
- (2) workshops and seminars for State officials interested in transferring Federal technology to businesses; and
- (3) entering into cooperative agreements when authorized to do so under this chapter or any other Act.

(Mar. 3, 1901, ch. 872, §26, as added Pub. L. 100-418, title V, §5121(a), Aug. 23, 1988, 102 Stat. 1435.)

TECHNOLOGY EXTENSION SERVICES

Section 5121(b), (c) of Pub. L. 100-418, as amended by Pub. L. 102-245, title I, §105(d), Feb. 14, 1992, 106 Stat. 12, provided that:

“(b) TECHNOLOGY EXTENSION SERVICES.—(1) The Secretary shall conduct a nationwide study of current State technology extension services. The study shall include—

- “(A) a thorough description of each State program, including its duration, its annual budget, and the number and types of businesses it has aided;
- “(B) a description of any anticipated expansion of each State program and its associated costs;
- “(C) an evaluation of the success of the services in transferring technology, modernizing manufacturing processes, and improving the productivity and profitability of businesses;
- “(D) an assessment of the degree to which State services make use of Federal programs, including the Small Business Innovative Research program and the programs of the Federal Laboratory Consortium, the National Technical Information Service, the National Science Foundation, the Office of Productivity, Technology, and Innovation, and the Small Business Administration;
- “(E) a survey of what additional Federal information and technical assistance the services could utilize; and
- “(F) an assessment of how the services could be more effective agents for the transfer of Federal scientific and technical information, including the results and application of Federal and federally funded research.

The Secretary shall submit to the Committee on Science, Space, and Technology of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate, at the time of submission of the organization plan for the Institute under section 5112(d)(1) [of Pub. L. 100-418, set out as a note under section 272 of this title], the results of the study

and an initial implementation plan for the programs under section 26 of the Act of March 3, 1901 [15 U.S.C. 278I], and under this section [enacting sections 278k to 278m of this title]. The implementation plan shall include methods of providing technical assistance to States and criteria for awarding financial assistance under this section. The Secretary may make use of contractors and experts for any or all of the studies and findings called for in this section.

“(2)(A) The Institute shall enter into cooperative agreements with State technology extension services to—

“(i) demonstrate methods by which the States can, in cooperation with Federal agencies, increase the use of Federal technology by businesses within their States to improve industrial competitiveness; or

“(ii) help businesses in their States take advantage of the services and information offered by the Regional Centers for the Transfer of Manufacturing Technology created under section 25 of the Act of March 3, 1901 [15 U.S.C. 278k].

“(B) Any State, for itself or for a consortium of States, may submit to the Secretary an application for a cooperative agreement under this subsection, in accordance with procedures established by the Secretary. To qualify for a cooperative agreement under this subsection, a State shall provide adequate assurances that it will increase its spending on technology extension services by an amount at least equal to the amount of Federal assistance.

“(C) In evaluating each application, the Secretary shall consider—

“(i) the number and types of additional businesses that will be assisted under the cooperative agreement;

“(ii) the extent to which the State extension service will demonstrate new methods to increase the use of Federal technology;

“(iii) geographic diversity; and

“(iv) the ability of the State to maintain the extension service after the cooperative agreement has expired.

“(D) States which are party to cooperative agreements under this subsection may provide services directly or may arrange for the provision of any or all of such services by institutions of higher education or other non-profit institutions or organizations.

“(3) In carrying out section 26 of the Act of March 3, 1901 [15 U.S.C. 278I], and this subsection, the Secretary shall coordinate the activities with the Federal Laboratory Consortium; the National Technical Information Service; the National Science Foundation; the Office of Productivity, Technology, and Innovation; the Small Business Administration; and other appropriate Federal agencies.

“(4) There are authorized to be appropriated for the purposes of this subsection \$2,000,000 for each of the fiscal years 1989, 1990, and 1991.

“(c) FEDERAL TECHNOLOGY TRANSFER ACT OF 1986.—Nothing in sections [sic] 25 or 26 of the Act of March 3, 1901 [15 U.S.C. 278k, 278I], or in subsection (b) of this section shall be construed as limiting the authorities contained in the Federal Technology Transfer Act of 1986 (Public Law 99-502) [see Short Title of 1986 Amendments note set out under section 3701 of this title].’’

SECTION REFERRED TO IN OTHER SECTIONS

This section is referred to in sections 272, 278g-5 of this title.

§ 278m. Non-energy inventions program

In conjunction with the initial organization of the Institute, the Director shall establish a program for the evaluation of inventions that are not energy-related to complement but not replace the Energy-Related Inventions Program established under section 5913 of title 42. The Director shall submit an initial implementation

plan for this program to accompany the organization plan for the Institute. The implementation plan shall include specific cost estimates, implementation schedules, and mechanisms to help finance the development of technologies the program has determined to have potential. In the preparation of the plan, the Director shall consult with appropriate Federal agencies, including the Small Business Administration and the Department of Energy, State and local government organizations, university officials, and private sector organizations in order to obtain advice on how those agencies and organizations might cooperate with the expansion of this program of the Institute.

(Mar. 3, 1901, ch. 872, §27, as added Pub. L. 100-418, title V, §5121(d), Aug. 23, 1988, 102 Stat. 1437.)

§ 278n. Advanced Technology Program

(a) Establishment; purpose; focus; guidance

There is established in the Institute an Advanced Technology Program (hereafter in this chapter referred to as the "Program") for the purpose of assisting United States businesses in creating and applying the generic technology and research results necessary to—

- (1) commercialize significant new scientific discoveries and technologies rapidly; and
- (2) refine manufacturing technologies.

The Secretary, acting through the Director, shall assure that the Program focuses on improving the competitive position of the United States and its businesses, gives preference to discoveries and to technologies that have great economic potential, and avoids providing undue advantage to specific companies. In operating the Program, the Secretary and Director shall, as appropriate, be guided by the findings and recommendations of the Biennial National Critical Technology Reports prepared pursuant to section 6683¹ of title 42.

(b) Authority of Secretary; research and development; contracts and cooperative agreements; Federal laboratories; other activities with joint ventures

Under the Program established in subsection (a) of this section, and consistent with the mission and policies of the Institute, the Secretary, acting through the Director, and subject to subsections (c) and (d) of this section, may—

- (1) aid industry-led United States joint research and development ventures (hereafter in this section referred to as "joint ventures") (which may also include universities and independent research organizations), including those involving collaborative technology demonstration projects which develop and test prototype equipment and processes, through—

(A) provision of organizational and technical advice; and

(B) participation in such joint ventures by means of grants, cooperative agreements, or contracts, if the Secretary, acting through the Director, determines participation to be appropriate, which may include (i) partial start-up funding, (ii) provision of a minority

share of the cost of such joint ventures for up to 5 years, and (iii) making available equipment, facilities, and personnel,

provided that emphasis is placed on areas where the Institute has scientific or technological expertise, on solving generic problems of specific industries, and on making those industries more competitive in world markets;

(2) provide grants to and enter into contracts and cooperative agreements with United States businesses (especially small businesses), provided that emphasis is placed on applying the Institute's research, research techniques, and expertise to those organizations' research programs;

(3) involve the Federal laboratories in the Program, where appropriate, using among other authorities the cooperative research and development agreements provided for under section 3710a of this title; and

(4) carry out, in a manner consistent with the provisions of this section, such other cooperative research activities with joint ventures as may be authorized by law or assigned to the Program by the Secretary.

(c) Authority of Secretary; selection criteria; monitoring use of technologies; overseas transfer; annual report to Congress; financial reporting and auditing; routine consideration of Committee advice; dissemination of research results

The Secretary, acting through the Director, is authorized to take all actions necessary and appropriate to establish and operate the Program, including—

(1) publishing in the Federal Register draft criteria and, no later than six months after August 23, 1988, following a public comment period, final criteria, for the selection of recipients of assistance under subsection (b)(1) and (2) of this section;

(2) monitoring how technologies developed in its research program are used, and reporting annually to the Congress on the extent of any overseas transfer of these technologies;

(3) establishing procedures regarding financial reporting and auditing to ensure that contracts and awards are used for the purposes specified in this section, are in accordance with sound accounting practices, and are not funding existing or planned research programs that would be conducted in the same time period in the absence of financial assistance under the Program;

(4) assuring that the advice of the Committee established under section 278 of this title is considered routinely in carrying out the responsibilities of the Institute; and

(5) providing for appropriate dissemination of Program research results.

(d) Contracts or awards; criteria; restrictions

When entering into contracts or making awards under subsection (b) of this section, the following shall apply:

(1) No contract or award may be made until the research project in question has been subject to a merit review, and has, in the opinion of the reviewers appointed by the Director and the Secretary, acting through the Director,

¹ See References in Text note below.