TITLE 29 - LABOR

CHAPTER 29 - WORKERS TECHNOLOGY SKILL DEVELOPMENT

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CHAPTER 29—WORKERS TECHNOLOGY SKILL DEVELOPMENT

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§ 2701. Findings

The Congress finds and declares the following:

1. In an increasingly competitive world economy, the companies and nations that lead in the rapid development, commercialization, and application of new and advanced technologies, and in the high-quality, competitively priced production of goods and services, will lead in economic growth, employment, and high living standards.

2. While the United States remains the world leader in science and invention, it has not done well in rapidly making the transition from achievement in its research laboratories to high-quality, competitively priced production of goods and services. This lag and the unprecedented competitive challenge that the United States has faced from abroad have contributed to a drop in real wages and living standards.

3. Companies that are successfully competitive in the rapid development, commercialization, application, and implementation of advanced technologies, and in the successful delivery of goods and services, recognize that worker participation and labor-management cooperation in the deployment, application, and implementation of advanced workplace technologies make an important contribution to high-quality, competitively priced production of goods and services and in maintaining and improving real wages for workers.

4. The Federal Government has an important role in encouraging and augmenting private sector efforts relating to the development, application, manufacture, and deployment of new and advanced technologies. The role should be to—

   (A) work with private companies, States, worker organizations, nonprofit organizations, and institutions of higher education to ensure the development, application, production, and implementation of new and advanced technologies to promote the improvement of workers’ skills, wages, job security, and working conditions, and a healthy environment;

   (B) encourage worker and worker organization participation in the development, commercialization, evaluation, selection, application, and implementation of new and advanced technologies in the workplace; and

   (C) promote the use and integration of new and advanced technologies in the workplace that enhance workers’ skills.

5. In working with the private sector to promote the technological leadership and economic growth of the United States, the Federal Government has a responsibility to ensure that Federal technology programs help the United States to remain competitive and to maintain and improve living standards and to create and retain secure jobs in economically stable communities.


Short Title

Section 541 of Pub. L. 103–382 provided that: “This part [part D (§§ 541–547) of title V of Pub. L. 103–382, enacting this chapter] may be cited as the ‘Workers Technology Skill Development Act’.”
Study and Report on the “Digital Divide”
“(a) Study.—The Secretary of Commerce shall conduct a review of existing public and private high-tech workforce training programs in the United States.
“(b) Report.—Not later than 18 months after the date of enactment of this Act [Oct. 17, 2000], the Secretary of Commerce shall submit a report to Congress setting forth the findings of the study conducted under subsection (a).”

Report on Older Workers in Information Technology Field
“(a) Study.—The Director of the National Science Foundation shall enter into a contract with the President of the National Academy of Sciences to conduct a study, using the best available data, assessing the status of older workers in the information technology field. The study shall consider the following:
“(1) The existence and extent of age discrimination in the information technology workplace.
“(2) The extent to which there is a difference, based on age, in—
“(A) promotion and advancement;
“(B) working hours;
“(C) telecommuting;
“(D) salary; and
“(E) stock options, bonuses, and other benefits.
“(3) The relationship between rates of advancement, promotion, and compensation to experience, skill level, education, and age.
“(4) Differences in skill level on the basis of age.
“(b) Report.—Not later than October 1, 2000, the Director of the National Science Foundation shall submit to the Committees on the Judiciary of the United States House of Representatives and the Senate a report containing the results of the study described in subsection (a).”

Report on High Technology Labor Market Needs
“(1) In general.—The Director of the National Science Foundation shall conduct a study to assess labor market needs for workers with high technology skills during the next 10 years. The study shall investigate and analyze the following:
“(A) Future training and education needs of companies in the high technology and information technology sectors and future training and education needs of United States students to ensure that students’ skills at various levels are matched to the needs in such sectors.
“(B) An analysis of progress made by educators, employers, and government entities to improve the teaching and educational level of American students in the fields of math, science, computer science, and engineering since 1998.
“(C) An analysis of the number of United States workers currently or projected to work overseas in professional, technical, and managerial capacities.
“(D) The relative achievement rates of United States and foreign students in secondary schools in a variety of subjects, including math, science, computer science, English, and history.
“(E) The relative performance, by subject area, of United States and foreign students in postsecondary and graduate schools as compared to secondary schools.
“(F) The needs of the high technology sector for foreign workers with specific skills and the potential benefits and costs to United States employers, workers, consumers, postsecondary educational institutions, and the United States economy, from the entry of skilled foreign professionals in the fields of science and engineering.
“(G) The needs of the high technology sector to adapt products and services for export to particular local markets in foreign countries.
“(H) An examination of the amount and trend of moving the production or performance of products and services now occurring in the United States abroad.
“(2) Report.—Not later than October 1, 2000, the Director of the National Science Foundation shall submit to the Committees on the Judiciary of the United States House of Representatives and the Senate a report containing the results of the study described in paragraph (1).

“(3) Involvement.—The study under paragraph (1) shall be conducted in a manner that ensures the participation of individuals representing a variety of points of view.”

Twenty-First Century Workforce Commission


§ 2702. Purposes

The purposes of this chapter are to—

(1) improve the ability of workers and worker organizations to recognize, develop, assess, and improve strategies for successfully integrating workers and worker organizations into the process of evaluating, selecting, and implementing advanced workplace technologies, and advanced workplace practices in a manner that creates and maintains stable well-paying jobs for workers; and

(2) assist workers and worker organizations in developing the expertise necessary for effective participation with employers in the development of strategies and programs for the successful evaluation, selection, and implementation of advanced workplace technologies and advanced workplace practices through the provision of a range of education, training, and related services.


§ 2703. Definitions

As used in this chapter:

(1) Advanced workplace practices

The term “advanced workplace practices” means innovations in work organization and performance, including high-performance workplace systems, flexible production techniques, quality programs, continuous improvement, concurrent engineering, close relationships between suppliers and customers, widely diffused decisionmaking and work teams, and effective integration of production technology, worker skills and training, and workplace organization, and such other characteristics as determined appropriate by the Secretary of Labor, in consultation with the Secretary of Commerce.

(2) Advanced workplace technologies

The term “advanced workplace technologies” includes—

(A) numerically controlled machine tools, robots, automated process control equipment, computerized flexible manufacturing systems, associated computer software, and other technology for improving the manufacturing and industrial production of goods and commercial services, which advance the state-of-the-art; or

(B) novel industrial and commercial techniques and processes not previously generally available that improve quality, productivity, and practices, including engineering design, quality assurance, concurrent engineering, continuous process production technology, inventory management,
upgraded worker skills, communications with customers and suppliers, and promotion of sustainable economic growth.

(3) **Department**

The term “Department” means the Department of Labor.

(4) **Nonprofit organization**

The term “nonprofit organization” means a tax-exempt organization, as described in paragraph (3), (4), or (5) of section 501 (c) of title 26.

(5) **Secretary**

The term “Secretary” means the Secretary of Labor.

(6) **Worker organization**

The term “worker organization” means a labor organization within the meaning of section 501 (c)(5) of title 26.


§ 2704. Grants

(a) **In general**

The Secretary of Labor, after consultation with the Secretary of Commerce, shall, to the extent appropriations are available, award grants to eligible entities to carry out the purposes described in section 2702 of this title.

(b) **Eligibility**

To be eligible to receive a grant under this section, an entity shall—

(1) be a nonprofit organization, or a partnership consortium of such organizations;

(2) prepare and submit to the Secretary an application at such time, in such manner, and containing such information as the Secretary may require, including a description of the activities that the entity will carry out using amounts received under the grant; and

(3) agree to make available (directly or through donations from public or private entities) non-Federal contributions toward the costs of the activities to be conducted with grant funds, in an amount equal to the amount required under subsection (d) of this section.

(c) **Use of amounts**

An entity shall use amounts received under a grant awarded under this section to carry out the purposes described in section 2702 of this title through activities such as—

(1) the provision of technical assistance to workers, worker organizations, employers, State economic development agencies, State industrial extension programs, Advanced Technology Centers, and National Manufacturing Technology Centers to identify advanced workplace practices and strategies that enhance the effective evaluation, selection, and implementation of advanced workplace technologies;

(2) the researching and identification of new and advanced workplace technologies, and advanced workplace practices that promote the improvement of workers’ skills, wages, working conditions, and job security, that research the link between advanced workplace practices and long-term corporate performance, and which are consistent with the needs of local communities and the need for a healthy environment; and

(3) the development and dissemination of training programs and materials to be used for and by workers, worker organizations, employers, State economic development agencies, State industrial extension programs, Advanced Technology Centers, and National Manufacturing Technology Centers relating to the activities and services provided pursuant to paragraphs (1) and (2), and
regarding successful practices including practices which address labor-management cooperation and the involvement of workers in the design, development, and implementation of workplace practices and technologies.

(d) Terms of grants and non-Federal shares

(1) Terms

Grants awarded under this section shall be for a term not to exceed six years.

(2) Non-Federal share

Amounts required to be contributed by an entity under subsection (b)(3) of this section shall equal—

(A) an amount equal to 15 percent of the amount provided under the grant in the first year for which the grant is awarded;

(B) an amount equal to 20 percent of the amount provided under the grant in the second year for which the grant is awarded;

(C) an amount equal to 33 percent of the amount provided under the grant in the third year for which the grant is awarded;

(D) an amount equal to 40 percent of the amount provided under the grant in the fourth year for which the grant is awarded; and

(E) an amount equal to 50 percent of the amount provided under the grant in the fifth and sixth years for which the grant is awarded.

(e) Evaluation

The Department shall develop mechanisms for evaluating the effectiveness of the use of a grant awarded under this section in carrying out the purposes under section 2702 of this title and, not later than two years after October 20, 1994, and every two years thereafter, prepare and submit a report to Congress concerning such evaluation.


§ 2705. Identification and dissemination of best practices

(a) In general

(1) Information

The Secretary, in cooperation and after consultation with the Secretary of Commerce, shall assist workers, worker organizations, and employers in successfully adopting advanced workplace technologies, and advanced workplace practices by identifying, collecting, and disseminating information on best workplace practices and workplace assessment tools, including—

(A) methods, techniques, and successful models of labor-management cooperation and of worker and worker organization participation in the development, evaluation, selection, and implementation of new and advanced workplace technologies, and advanced workplace practices;

(B) methods, techniques, and successful models for the design and implementation of new and advanced workplace practices;

(C) methods, techniques, and successful models for the design and implementation of advanced forms of work organization; and

(D) methods, techniques, and successful models for the assessment of worker skills and training needs relating to the effective development, evaluation, selection, and implementation of advanced workplace technologies, and advanced workplace practices.

(2) Contents
Such information on best workplace practices shall include—

(A) summaries and analyses of best practice cases;
(B) criteria for assessment of current workplace practices; and
(C) information on the best available education and training materials and services relating
to the development, implementation, and operation of systems utilizing new and advanced
workplace technologies, and advanced workplace practices.

(b) Distribution

The information and materials developed under this section shall be distributed through an appropriate
entity designated by the Secretary of Commerce to the Regional Centers for the Transfer of
Manufacturing Technology, to the Manufacturing Outreach Center, to other technology training
entities, and directly to others as determined appropriate by the Secretary of Labor and the Secretary
of Commerce.


§ 2706. Authorization of appropriations

(a) In general

There are authorized to be appropriated to carry out this chapter such sums as may be necessary for
each of the fiscal years 1995 through 1997.

(b) Availability

Amounts appropriated under subsection (a) of this section shall remain available until expended.