

REFERENCES IN TEXT

This Act, referred to in text, is Pub. L. 103-3, Feb. 5, 1993, 107 Stat. 6, known as the Family and Medical Leave Act of 1993, which enacted this chapter, sections 60m and 60n of Title 2, The Congress, and sections 6381 to 6387 of Title 5, Government Organization and Employees, amended section 2105 of Title 5, and enacted provisions set out as notes under section 2601 of this title. For complete classification of this Act to the Code, see Short Title note set out under section 2601 of this title and Tables.

**§ 2654. Regulations**

The Secretary of Labor shall prescribe such regulations as are necessary to carry out subchapter I of this chapter and this subchapter not later than 120 days after February 5, 1993.

(Pub. L. 103-3, title IV, §404, Feb. 5, 1993, 107 Stat. 26.)

**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 organiza-

tions, 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.

(Pub. L. 103-382, title V, §542, Oct. 20, 1994, 108 Stat. 4051.)

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"

Pub. L. 106-313, title I, §115, Oct. 17, 2000, 114 Stat. 1262, provided that:

"(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

Pub. L. 105-277, div. C, title IV, §417, Oct. 21, 1998, 112 Stat. 2681-656, provided that:

"(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

Pub. L. 105-277, div. C, title IV, §418(a), Oct. 21, 1998, 112 Stat. 2681-656, provided that:

“(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

Pub. L. 105-220, title III, subtitle C, Aug. 7, 1998, 112 Stat. 1087, as amended by Pub. L. 105-277, div. A, §101(f) [title VIII, §401(15)], Oct. 21, 1998, 112 Stat. 2681-337, 2681-412, known as the “Twenty-First Century Workforce Commission Act”, established the Commission to study all matters relating to the information technology workforce in the United States, including skills necessary to enter the information technology workforce, ways to expand the number of skilled information technology workers, and the relative efficacy of programs in the United States and foreign countries to train information technology workers, and to submit a report to the President and Congress of its findings, conclusions, and recommendations for legislative and administrative actions, and provided for powers of the Commission, compensation of members, employment of staff, authorization of appropriations, and termination of the Commission 90 days after submission of its final report, which was released June 27, 2000.

#### § 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 inte-

grating 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.

(Pub. L. 103-382, title V, §543, Oct. 20, 1994, 108 Stat. 4052.)

#### § 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.