

chapter referred to as the “Initiative”) of research on semiconductor manufacturing technology and on the practical applications of such technology. The Secretary may carry out the Initiative in a way that complements the activities of a consortium of United States semiconductor manufacturers, materials manufacturers, and equipment manufacturers, established for the purpose of conducting research concerning advanced semiconductor manufacturing techniques and developing techniques to adopt manufacturing expertise to a variety of semiconductor products.

(Pub. L. 100–180, div. C, title I, §3142, Dec. 4, 1987, 101 Stat. 1242.)

#### REFERENCES IN TEXT

This subchapter, referred to in text, was in the original “this subtitle” and was translated as reading “this part” meaning part D of title I of division C of Pub. L. 100–180 which enacted this subchapter, to reflect the probable intent of Congress because title I did not contain subtitles.

### § 4623. Participation of national laboratories of Department of Energy

#### (a) Mission of national laboratories

Each national laboratory of the Department of Energy may participate in research and development projects under the Initiative in conjunction with the Department of Defense or with any consortium, college, or university carrying out any project for or in cooperation with any consortium referred to in section 4622 of this title, to the extent that such participation is consistent with the missions of the national laboratory.

#### (b) Agreements

The Secretary of Energy may enter into such agreements with the Secretary of Defense, with any consortium referred to in section 4622 of this title, and with any college or university as may be necessary to provide for the active participation of the national laboratories of the Department of Energy in the Initiative.

#### (c) Research and development

One or more national laboratories of the Department of Energy shall participate in the Initiative by conducting research and development activities relating to research on the development of semiconductor manufacturing technologies. Such activities may include research and development relating to materials fabrication, materials characterization, design and modeling of devices, and new processing equipment.

(Pub. L. 100–180, div. C, title I, §3143, Dec. 4, 1987, 101 Stat. 1243.)

### § 4624. Personnel exchanges

The Secretary of Energy may authorize temporary exchanges of personnel between the national laboratories of the Department of Energy and any domestic firm or any consortium referred to in section 4622 of this title that is participating in the Initiative. The exchange of personnel shall be subject to such restrictions, limitations, terms, and conditions that the Sec-

retary of Energy considers necessary in the interest of national security.

(Pub. L. 100–180, div. C, title I, §3144, Dec. 4, 1987, 101 Stat. 1243.)

### § 4625. Other Department of Energy resources

#### (a) Availability of resources

Subject to subsection (b) of this section, the Secretary of Energy may make available to the Department of Defense, to any other department or agency of the Federal Government, and to any consortium that has entered into an agreement in furtherance of the Initiative any facilities, personnel, equipment, services, and other resources of the Department of Energy for the purpose of conducting research and development projects under the Initiative consistent with section 4623(a) of this title.

#### (b) Reimbursement

The Secretary may make facilities available under this section only to the extent that the cost of the use of such facilities is reimbursed by the user.

(Pub. L. 100–180, div. C, title I, §3145, Dec. 4, 1987, 101 Stat. 1243.)

### § 4626. Budgeting for semiconductor manufacturing technology research

#### (a) Budget submission

To the extent the Secretary considers appropriate and necessary, the Secretary of Energy, in preparing the research and development budget of the Department of Energy to be included in the annual budget submitted to the Congress by the President under section 1105(a) of title 31, shall provide for programs, projects, and activities that encourage the development of new technology in the field of semiconductors.

#### (b) Budget categories

The programs, projects, and activities described in subsection (a) of this section shall be included in the budget for general science and research activities of the Department of Energy, except that any programs, projects, and activities that directly support and directly benefit the defense activities of the Department shall be included in the budget for atomic energy defense activities of the Department of Energy.

(Pub. L. 100–180, div. C, title I, §3146, Dec. 4, 1987, 101 Stat. 1243.)

### § 4627. Cost-sharing agreements

#### (a) Permitted provisions

The director of each national laboratory of the Department of Energy that is participating in the Initiative or the contractor operating any such national laboratory, in carrying out programs under a contract with the Department of Energy, may include in any research and development agreement entered into with a domestic firm in connection with such Initiative a cooperative provision for the domestic firm to pay a portion of the cost of the research and development activities.

#### (b) Limitations

(1) Not more than an amount equal to 1 percent of any national laboratory’s annual budget