

(a) to require a license for (1) the processing, fabricating, or refining of special nuclear material, or the separation of special nuclear material, or the separation of special nuclear material from other substances, under contract with and for the account of the Commission; or (2) the construction or operation of facilities under contract with and for the account of the Commission; or

(b) to require a license for the manufacture, production, or acquisition by the Department of Defense of any utilization facility authorized pursuant to section 2121 of this title, or for the use of such facility by the Department of Defense or a contractor thereof.

(Aug. 1, 1946, ch. 724, title I, §110, as added Aug. 30, 1954, ch. 1073, §1, 68 Stat. 939; renumbered title I, Pub. L. 102-486, title IX, §902(a)(8), Oct. 24, 1992, 106 Stat. 2944.)

**§ 2141. Licensing by Nuclear Regulatory Commission of distribution of special nuclear material, source material, and byproduct material by Department of Energy**

(a) The Nuclear Regulatory Commission is authorized to license the distribution of special nuclear material, source material, and byproduct material by the Department of Energy pursuant to section 2074, 2094, and 2112 of this title, respectively, in accordance with the same procedures established by law for the export licensing of such material by any person: *Provided*, That nothing in this section shall require the licensing of the distribution of byproduct material by the Department of Energy under section 2112 of this title.

(b) The Department of Energy shall not distribute any special nuclear material or source material under section 2074 or 2094 of this title other than under an export license issued by the Nuclear Regulatory Commission until (1) the Department has obtained the concurrence of the Department of State and has consulted with the Nuclear Regulatory Commission and the Department of Defense under mutually agreed procedures which shall be established within not more than ninety days after March 10, 1978, and (2) the Department finds based on a reasonable judgment of the assurances provided and the information available to the United States Government, that the criteria in section 2156 of this title or their equivalent and any applicable criteria in section 2157 of this title are met, and that the proposed distribution would not be inimical to the common defense and security.

(Aug. 1, 1946, ch. 724, title I, §111, as added Pub. L. 95-242, title III, §301(c), Mar. 10, 1978, 92 Stat. 125; renumbered title I, Pub. L. 102-486, title IX, §902(a)(8), Oct. 24, 1992, 106 Stat. 2944; amended Pub. L. 105-277, div. G, title XII, §1225(d)(3), Oct. 21, 1998, 112 Stat. 2681-774.)

**Editorial Notes**

**AMENDMENTS**

1998—Subsec. (b). Pub. L. 105-277 substituted “the Nuclear Regulatory Commission” for “the Arms Control and Disarmament Agency, the Nuclear Regulatory Commission,”.

**Statutory Notes and Related Subsidiaries**

**EFFECTIVE DATE OF 1998 AMENDMENT**

Amendment by Pub. L. 105-277 effective on earlier of Apr. 1, 1999, or date of abolition of the United States Arms Control and Disarmament Agency pursuant to reorganization plan described in section 6601 of Title 22, Foreign Relations and Intercourse, see section 1201 of Pub. L. 105-277, set out as an Effective Date note under section 6511 of Title 22.

**EFFECTIVE DATE**

Section effective Mar. 10, 1978, except as otherwise provided and regardless of any requirements for the promulgation of implementing regulations, see section 603(c) of Pub. L. 95-242, set out as a note under section 3201 of Title 22, Foreign Relations and Intercourse.

**Executive Documents**

**TRANSFER OF FUNCTIONS**

For transfer of certain functions from Nuclear Regulatory Commission to Chairman thereof, see Reorg. Plan No. 1 of 1980, 45 F.R. 40561, 94 Stat. 3585, set out as a note under section 5841 of this title.

**PERFORMANCE OF FUNCTIONS PENDING DEVELOPMENT OF PROCEDURES**

The performance of functions under this chapter, as amended by the Nuclear Non-Proliferation Act of 1978, Pub. L. 95-242, Mar. 10, 1978, 92 Stat. 120, not to be delayed pending development of procedures even though as many as 120 days [after Mar. 10, 1978] are allowed for establishing those procedures, see section 5(b) of Ex. Ord. No. 12058, May 11, 1978, 43 F.R. 20947, set out under section 3201 of Title 22, Foreign Relations and Intercourse.

**§ 2142. Domestic medical isotope production**

(a) The Commission may issue a license, or grant an amendment to an existing license, for the use in the United States of highly enriched uranium as a target for medical isotope production in a nuclear reactor, only if, in addition to any other requirement of this chapter—

(1) the Commission determines that—

(A) there is no alternative medical isotope production target that can be used in that reactor; and

(B) the proposed recipient of the medical isotope production target has provided assurances that, whenever an alternative medical isotope production target can be used in that reactor, it will use that alternative in lieu of highly enriched uranium; and

(2) the Secretary of Energy has certified that the United States Government is actively supporting the development of an alternative medical isotope production target that can be used in that reactor.

(b) As used in this section—

(1) the term “alternative medical isotope production target” means a nuclear reactor target which is enriched to less than 20 percent of the isotope U-235;

(2) a target “can be used” in a nuclear research or test reactor if—

(A) the target has been qualified by the Reduced Enrichment Research and Test Reactor Program of the Department of Energy; and

(B) use of the target will permit the large majority of ongoing and planned experi-

ments and medical isotope production to be conducted in the reactor without a large percentage increase in the total cost of operating the reactor;

(3) the term “highly enriched uranium” means uranium enriched to 20 percent or more in the isotope U-235; and

(4) the term “medical isotope” includes molybdenum-99, iodine-131, xenon-133, and other radioactive materials used to produce a radiopharmaceutical for diagnostic or therapeutic procedures or for research and development.

(Aug. 1, 1946, ch. 724, title I, §112, as added Pub. L. 112-239, div. C, title XXXI, §3176(a), Jan. 2, 2013, 126 Stat. 2215; Pub. L. 113-66, div. C, title XXXI, §3144, Dec. 26, 2013, 127 Stat. 1071.)

#### Editorial Notes

##### REFERENCES IN TEXT

This chapter, referred to in subsec. (a), was in the original “this Act”, meaning act Aug. 1, 1946, ch. 724, as added by act Aug. 30, 1954, ch. 1073, §1, 68 Stat. 919, known as the Atomic Energy Act of 1954, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 2011 of this title and Tables.

##### AMENDMENTS

2013—Pub. L. 113-66 inserted section designation and catchline.

### SUBCHAPTER X—INTERNATIONAL ACTIVITIES

#### § 2151. Effect of international arrangements

Any provision of this chapter or any action of the Commission to the extent and during the time that it conflicts with the provisions of any international arrangements made after August 30, 1954 shall be deemed to be of no force or effect.

(Aug. 1, 1946, ch. 724, title I, §121, as added Aug. 30, 1954, ch. 1073, §1, 68 Stat. 939; renumbered title I, Pub. L. 102-486, title IX, §902(a)(8), Oct. 24, 1992, 106 Stat. 2944.)

#### Editorial Notes

##### REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this Act”, meaning act Aug. 1, 1946, ch. 724, as added by act Aug. 30, 1954, ch. 1073, §1, 68 Stat. 919, known as the Atomic Energy Act of 1954, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 2011 of this title and Tables.

##### PRIOR PROVISIONS

Provisions similar to this section were contained in section 1808(a) of this title, prior to the general amendment and renumbering of act Aug. 1, 1946, by act Aug. 30, 1954.

#### § 2152. Policies contained in international arrangements

In the performance of its functions under this chapter, the Commission shall give maximum effect to the policies contained in any international arrangement made after August 30, 1954.

(Aug. 1, 1946, ch. 724, title I, §122, as added Aug. 30, 1954, ch. 1073, §1, 68 Stat. 939; renumbered title I, Pub. L. 102-486, title IX, §902(a)(8), Oct. 24, 1992, 106 Stat. 2944.)

#### Editorial Notes

##### REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this Act”, meaning act Aug. 1, 1946, ch. 724, as added by act Aug. 30, 1954, ch. 1073, §1, 68 Stat. 919, known as the Atomic Energy Act of 1954, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 2011 of this title and Tables.

##### PRIOR PROVISIONS

Provisions similar to this section were contained in section 1808(c) of this title, prior to the general amendment and renumbering of act Aug. 1, 1946, by act Aug. 30, 1954.

#### § 2153. Cooperation with other nations

No cooperation with any nation, group of nations or regional defense organization pursuant to sections 2073, 2074(a), 2077, 2094, 2112, 2121, 2133, 2134, or 2164 of this title shall be undertaken until—

**(a) Terms, conditions, duration, nature, scope, and other requirements of proposed agreements for cooperation; Presidential exemptions; negotiations; Nuclear Proliferation Assessment Statement**

the proposed agreement for cooperation has been submitted to the President, which proposed agreement shall include the terms, conditions, duration, nature, and scope of the cooperation; and shall include the following requirements:

(1) a guaranty by the cooperating party that safeguards as set forth in the agreement for cooperation will be maintained with respect to all nuclear materials and equipment transferred pursuant thereto, and with respect to all special nuclear material used in or produced through the use of such nuclear materials and equipment, so long as the material or equipment remains under the jurisdiction or control of the cooperating party, irrespective of the duration of other provisions in the agreement or whether the agreement is terminated or suspended for any reason;

(2) in the case of non-nuclear-weapon states, a requirement, as a condition of continued United States nuclear supply under the agreement for cooperation, that IAEA safeguards be maintained with respect to all nuclear materials in all peaceful nuclear activities within the territory of such state, under its jurisdiction, or carried out under its control anywhere;

(3) except in the case of those agreements for cooperation arranged pursuant to section 2121(c) of this title, a guaranty by the cooperating party that no nuclear materials and equipment or sensitive nuclear technology to be transferred pursuant to such agreement, and no special nuclear material produced through the use of any nuclear materials and equipment or sensitive nuclear