

**§ 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 experiments 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.)

## 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.)

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## 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.)

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## 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