

as part of its annual review, an assessment of emerging technologies which are expected to require research in metrology to keep the Institute abreast of its mission, including process and quality control, engineering databases, advanced materials, electronics and fiber optics, bioprocess engineering, and advanced computing concepts. Such review shall include estimates of the cost of the required effort, required staffing levels, appropriate interaction with industry, including technology transfer, and the period over which the research will be required.

(Pub. L. 100-418, title V, §5163(a), Aug. 23, 1988, 102 Stat. 1450.)

CODIFICATION

Section is comprised of section 5163(a) of Pub. L. 100-418. Section 5163(b)-(d) of Pub. L. 100-418 enacted provisions set out as a note under section 272 of this title, amended section 3710 of this title, and enacted section 1533 of this title, respectively.

Section was not enacted as part of the National Institute of Standards and Technology Act which comprises this chapter.

PRIOR PROVISIONS

A prior section 282a, Pub. L. 99-574, §7, Oct. 28, 1986, 100 Stat. 3237, consisted of provisions substantially identical to this section.

**§ 283. Repealed. Pub. L. 89-554, §8(a), Sept. 6, 1966, 80 Stat. 655, 656**

Section, acts July 20, 1949, ch. 354, title III, §301, 63 Stat. 468; Sept. 6, 1950, ch. 896, ch. III, title III, §301, 64 Stat. 628, related to appointment of personnel observing radio propagation phenomena in Arctic Region.

**§ 284. Omitted**

CODIFICATION

Section, acts Oct. 22, 1951, ch. 533, title III, §301, 65 Stat. 593; Sept. 6, 1950, ch. 896, ch. III, title III, §301, 64 Stat. 628; July 20, 1949, ch. 354, title III, §301, 63 Stat. 468, which related to transfer of materials, etc., to Bureau of ionosphere observation by Departments of the Army, Navy, and Air Force, was from the Department of Commerce Appropriation Act, 1952, and has not been repeated in subsequent appropriation acts.

**§§ 285, 286. Repealed. Pub. L. 85-890, §3, Sept. 2, 1958, 72 Stat. 1712**

Section 285, act July 21, 1950, ch. 485, §1, 64 Stat. 370, related to functions and activities of National Bureau of Standards for which funds should be available. See section 278e of this title.

Section 286, act July 21, 1950, ch. 485, §2, 64 Stat. 371, related to construction and improvement of buildings and facilities. See section 278d of this title.

**CHAPTER 7A—STANDARD REFERENCE DATA PROGRAM**

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| Sec.  |  |
| 290.  | Congressional declaration of policy.   |
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| 290c. | Standards, criteria, and procedures for preparation and publication of standard reference data; publication in Federal Register. |
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**§ 290. Congressional declaration of policy**

The Congress hereby finds and declares that reliable standardized scientific and technical reference data are of vital importance to the progress of the Nation's science and technology. It is therefore the policy of the Congress to make critically evaluated reference data readily available to scientists, engineers, and the general public. It is the purpose of this chapter to strengthen and enhance this policy.

(Pub. L. 90-396, §1, July 11, 1968, 82 Stat. 339.)

SHORT TITLE

Pub. L. 90-396, §8, July 11, 1968, 82 Stat. 340, provided that: "This Act [enacting this chapter] may be cited as the 'Standard Reference Data Act'."

**§ 290a. Definitions**

For the purposes of this chapter:

**(1) Standard reference data**

The term "standard reference data" means data that is—

(A) either—

(i) quantitative information related to a measurable physical, or chemical, or biological property of a substance or system of substances of known composition and structure;

(ii) measurable characteristics of a physical artifact or artifacts;

(iii) engineering properties or performance characteristics of a system; or

(iv) 1 or more digital data objects that serve—

(I) to calibrate or characterize the performance of a detection or measurement system; or

(II) to interpolate or extrapolate, or both, data described in subparagraph (A) through (C);<sup>1</sup> and

(B) that is critically evaluated as to its reliability under section 290b of this title.

**(2) Secretary**

The term "Secretary" means the Secretary of Commerce.

(Pub. L. 90-396, §2, July 11, 1968, 82 Stat. 340; Pub. L. 114-329, title I, §108, Jan. 6, 2017, 130 Stat. 2987.)

AMENDMENTS

2017—Pub. L. 114-329 amended section generally. Prior to amendment, text read as follows: "For the purposes of this chapter—

"(a) The term 'standard reference data' means quantitative information, related to a measurable physical or chemical property of a substance or system of substances of known composition and structure, which is critically evaluated as to its reliability under section 290b of this title.

"(b) The term 'Secretary' means the Secretary of Commerce."

**§ 290b. Collection, compilation, critical evaluation, publication and dissemination of standard reference data**

The Secretary is authorized and directed to provide or arrange for the collection, compila-

<sup>1</sup> So in original.