

§ 278u. Xylazine detection and analysis**(a) Definitions**

In this section:

(1) Director

The term “Director” means the Director of the National Institute of Standards and Technology.

(2) Federal laboratory

The term “Federal laboratory” has the meaning given such term in section 3703 of this title.

(3) Institute

The term “Institute” means the National Institute of Standards and Technology.

(4) Institution of higher education

The term “institution of higher education” has the meaning given such term in section 1001 of title 20.

(5) Nonprofit organization

The term “nonprofit organization” means an organization described in section 501(c)(3) of title 26 and exempt from tax under section 501(a) of such title.

(6) Xylazine

The term “xylazine” means the nonopioid tranquilizer methyl benzene compound frequently used in veterinary medicine as an emetic and sedative with analgesic and muscle relaxant properties.

(b) In general

The Director shall—

(1) support intramural basic measurement science and research of the Institute to advance—

(A) analytical methods to identify, understand, differentiate, and categorize substances containing xylazine, novel synthetic opioids, or other new psychoactive substances;

(B) measurement technologies to shorten analysis timelines and enhance narcotic and opioid detection and analysis capabilities;

(C) new data tools, techniques, and processes to identify and publicly disclose relevant information concerning substances containing xylazine, novel synthetic opioids, or other new psychoactive substances; and

(D) such other areas as the Director determines to be critical to the development and deployment of technologies to measure and analyze the presence of xylazine, novel synthetic opioids, and other new psychoactive substances;

(2) support activities to inform and expand the development of near-real time spectrometry capabilities regarding xylazine, novel synthetic opioids, and other new psychoactive substances;

(3) convene and consult with organizations engaged in the analysis of new psychoactive substances to develop coordinated strategies and voluntary best practices for the safe handling, transport, data-sharing, and analysis of substances containing xylazine, novel synthetic opioids, or other new psychoactive substances, including—

(A) the Drug Enforcement Administration;
(B) the Centers for Disease Control and Prevention;
(C) the National Institute on Drug Abuse;
(D) Federal laboratories;
(E) States and territories;
(F) State fusion centers;
(G) the private sector;
(H) intergovernmental organizations;
(I) institutions of higher education,¹ and
(J) nonprofit organizations;

(4) establish or expand collaborative partnerships or consortia with other government agencies and persons engaged in related research and development, such as institutions of higher education, Federal laboratories, public health agencies, intergovernmental organizations, and the private sector, to enhance narcotic and opioid detection and analysis capabilities regarding xylazine, novel synthetic opioids, and other new psychoactive substances; and

(5) encourage graduate and post-graduate research to include detection and identification of xylazine and other new psychoactive substances in relevant course studies when practicable.

(c) Controls

In carrying out activities under this section, the Director shall ensure proper security controls are implemented to protect sensitive information, as the Director considers appropriate and consistent with applicable provisions of law.

(d) Report

Not later than 1 year after December 19, 2023, the Director shall submit to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Science, Space, and Technology of the House of Representatives a report on the implementation of this section. Such report may include recommendations for legislative action to improve the ability of the Director to carry out this section.

(Pub. L. 118–23, § 2, Dec. 19, 2023, 137 Stat. 125.)

Editorial Notes**CODIFICATION**

Section was enacted as part of the Testing, Rapid Analysis, and Narcotic Quality Research Act of 2023, also known as the TRANQ Research Act of 2023, and not as part of the National Institute of Standards and Technology Act which comprises this chapter.

§ 279. Absence of Director

In the case of the absence of the Director of the National Institute of Standards and Technology the Secretary of Commerce may designate some officer of said Institute to perform the duties of the director during his absence.

(Mar. 4, 1911, ch. 237, § 1, 36 Stat. 1231; Mar. 4, 1913, ch. 141, § 1, 37 Stat. 736; Pub. L. 100–418, title V, § 5115(c), Aug. 23, 1988, 102 Stat. 1433.)

Editorial Notes**CODIFICATION**

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

¹ So in original. The comma probably should be a semicolon.

AMENDMENTS

1988—Pub. L. 100-418 substituted “National Institute of Standards and Technology” for “Bureau of Standards” and “Institute” for “bureau”.

Statutory Notes and Related Subsidiaries

CHANGE OF NAME

Act Mar. 4, 1913, substituted “Secretary of Commerce” for “Secretary of Commerce and Labor”.

§§ 280, 281. Repealed. Pub. L. 100-418, title V, § 5113, Aug. 23, 1988, 102 Stat. 1432

Section 280, acts July 16, 1914, ch. 141, § 1, 38 Stat. 502; 1978 Reorg. Plan No. 2, § 102, 43 F.R. 36037, 92 Stat. 3783, related to promotion of apprentices in National Bureau of Standards.

Section 281, acts Mar. 4, 1913, ch. 150, § 1, 37 Stat. 945; 1967 Reorg. Plan No. 3, § 401, eff. Aug. 11, 1967, 32 F.R. 11669, 81 Stat. 948; Dec. 24, 1973, Pub. L. 93-198, title IV, § 421, title VII, § 711, 87 Stat. 789, 818, related to testing of building and other structural materials for District of Columbia.

§ 281a. Structural failures

The National Institute of Standards and Technology, on its own initiative but only after consultation with local authorities, may initiate and conduct investigations to determine the causes of structural failures in structures which are used or occupied by the general public. No part of any report resulting from such investigation, or from an investigation under the National Construction Safety Team Act [15 U.S.C. 7301 et seq.], shall be admitted as evidence or used in any suit or action for damages arising out of any matter mentioned in such report.

(Pub. L. 99-73, § 7, July 29, 1985, 99 Stat. 173; Pub. L. 100-418, title V, § 5115(c), Aug. 23, 1988, 102 Stat. 1433; Pub. L. 107-231, § 13, Oct. 1, 2002, 116 Stat. 1476.)

Editorial Notes

REFERENCES IN TEXT

The National Construction Safety Team Act, referred to in text, is Pub. L. 107-231, Oct. 1, 2002, 116 Stat. 1471, which is classified generally to chapter 99 [§ 7301 et seq.] of this title. For complete classification of this Act to the Code, see Short Title note set out under section 7301 of this title and Tables.

CODIFICATION

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

AMENDMENTS

2002—Pub. L. 107-231 inserted “, or from an investigation under the National Construction Safety Team Act,” after “from such investigation”.

1988—Pub. L. 100-418 substituted “National Institute of Standards and Technology” for “National Bureau of Standards”.

§ 282. Repealed. Pub. L. 100-418, title V, § 5113, Aug. 23, 1988, 102 Stat. 1432

Section, act May 14, 1930, ch. 275, § 1, 46 Stat. 327, related to establishment and purpose of a national hydraulic laboratory and studies of Federal and State projects related thereto.

§ 282a. Assessment of emerging technologies requiring research in metrology

The Board of Assessment of the National Institute of Standards and Technology shall include, 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.)

Editorial Notes

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

Editorial Notes

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

Sec.

290.

290a.

290b.

Congressional declaration of policy.

Definitions.

Collection, compilation, critical evaluation, publication and dissemination of standard reference data.