

(1) to receive input from private, public, and academic stakeholders on fundamental measurements and standards research necessary to examine the function and outputs of generative adversarial networks; and

(2) to consider the feasibility of an ongoing public and private sector engagement to develop voluntary standards for the function and outputs of generative adversarial networks or other technologies that synthesize or manipulate content.

(Pub. L. 116–258, §4, Dec. 23, 2020, 134 Stat. 1151.)

§ 9204. Generative adversarial network defined

In this chapter, the term “generative adversarial network” means, with respect to artificial intelligence, the machine learning process of attempting to cause a generator artificial neural network (referred to in this section as the “generator”¹ and a discriminator artificial neural network (referred to in this section as a “discriminator”) to compete against each other to become more accurate in their function and outputs, through which the generator and discriminator create a feedback loop, causing the generator to produce increasingly higher-quality artificial outputs and the discriminator to increasingly improve in detecting such artificial outputs.

(Pub. L. 116–258, §6, Dec. 23, 2020, 134 Stat. 1152.)

Editorial Notes

REFERENCES IN TEXT

This chapter, referred to in text, was in the original “this Act”, meaning Pub. L. 116–258, Dec. 23, 2020, 134 Stat. 1150, known as the Identifying Outputs of Generative Adversarial Networks Act and also as the IOGAN Act, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out under section 9201 of this title and Tables.

This section, referred to in text, was in the original “this paragraph”, and was translated as reading “this section”, meaning section 6 of Pub. L. 116–258, to reflect the probable intent of Congress.

CHAPTER 118—SUSTAINABLE CHEMISTRY

Sec.	
9301.	National coordinating entity for sustainable chemistry.
9302.	Strategic plan for sustainable chemistry.
9303.	Agency activities in support of sustainable chemistry.
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§ 9301. National coordinating entity for sustainable chemistry

(a) Establishment

Not later than 180 days after January 1, 2021, the Director of the Office of Science and Technology Policy shall convene an interagency entity (referred to in this chapter as the “Entity”) under the National Science and Technology Council with the responsibility to coordinate Federal programs and activities in support of

¹ So in original. Probably should be followed by a closing parenthesis.

sustainable chemistry, including those described in sections 9303 and 9304 of this title.

(b) Coordination with existing groups

In convening the Entity, the Director of the Office of Science and Technology Policy shall consider overlap and possible coordination with existing committees, subcommittees, or other groups of the National Science and Technology Council, such as—

- (1) the Committee on Environment;
- (2) the Committee on Technology;
- (3) the Committee on Science; or
- (4) related groups or subcommittees.

(c) Co-chairs

The Entity shall be co-chaired by the Director of the Office of Science and Technology Policy and a representative from the Environmental Protection Agency, the National Institute of Standards and Technology, the National Science Foundation, or the Department of Energy, as selected by the Director of the Office of Science and Technology Policy.

(d) Agency participation

The Entity shall include representatives, including subject matter experts, from the Environmental Protection Agency, the National Institute of Standards and Technology, the National Science Foundation, the Department of Energy, the Department of Agriculture, the Department of Defense, the National Institutes of Health, the Centers for Disease Control and Prevention, the Food and Drug Administration, and other related Federal agencies, as appropriate.

(e) Termination

The Entity shall terminate on the date that is 10 years after January 1, 2021.

(Pub. L. 116–283, div. A, title II, §261, Jan. 1, 2021, 134 Stat. 3497.)

Editorial Notes

REFERENCES IN TEXT

This chapter, referred to in subsec. (a), was in the original “this subtitle”, meaning subtitle E (§§261–267) of title II of Pub. L. 116–283, div. A, Jan. 1, 2021, 134 Stat. 3497, which is classified principally to this chapter. For complete classification of subtitle E to the Code, see Tables.

§ 9302. Strategic plan for sustainable chemistry

(a) Strategic plan

Not later than 2 years after January 1, 2021, the Entity shall—

- (1) consult with relevant stakeholders, including representatives from industry, academia, national labs, the Federal Government, and international entities, to develop and update, as needed, a consensus definition of “sustainable chemistry” to guide the activities under this chapter;
- (2) develop a working framework of attributes characterizing, and metrics for assessing, sustainable chemistry, as described in subsection (b);
- (3) assess the state of sustainable chemistry in the United States as a key benchmark from which progress under the activities described in this chapter can be measured, including as—