

HR 4355

IOGAN Act

Congress: 116 (2019–2021, Ended)

Chamber: House

Policy Area: Science, Technology, Communications

Introduced: Sep 17, 2019

Current Status: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transp

Latest Action: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation. (Dec 10, 2019)

Official Text: <https://www.congress.gov/bill/116th-congress/house-bill/4355>

Sponsor

Name: Rep. Gonzalez, Anthony [R-OH-16]

Party: Republican • **State:** OH • **Chamber:** House

Cosponsors (9 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Baird, James R. [R-IN-4]	R · IN		Sep 17, 2019
Rep. Hill, Katie [D-CA-25]	D · CA		Sep 17, 2019
Rep. Stevens, Haley M. [D-MI-11]	D · MI		Sep 17, 2019
Rep. Sherrill, Mikie [D-NJ-11]	D · NJ		Sep 19, 2019
Rep. Wexton, Jennifer [D-VA-10]	D · VA		Sep 24, 2019
Resident Commissioner González-Colón, Jenniffer [R-PR-At Large]	R · PR		Sep 24, 2019
Rep. Slotkin, Elissa [D-MI-8]	D · MI		Sep 25, 2019
Rep. Lucas, Frank D. [R-OK-3]	R · OK		Sep 26, 2019
Rep. Spanberger, Abigail Davis [D-VA-7]	D · VA		Oct 21, 2019

Committee Activity

Committee	Chamber	Activity	Date
Commerce, Science, and Transportation Committee	Senate	Referred To	Dec 10, 2019
Science, Space, and Technology Committee	House	Reported By	Nov 5, 2019

Subjects & Policy Tags

Policy Area:

Science, Technology, Communications

Related Bills

Bill	Relationship	Last Action
116 S 2904	Related bill	Dec 23, 2020: Became Public Law No: 116-258.

Identifying Outputs of Generative Adversarial Networks Act or the IOGAN Act

(Sec. 3) This bill directs the National Science Foundation (NSF) and the National Institute of Standards and Technology (NIST) to support research on manipulated or synthesized media, including the output of generative adversarial networks. A generative adversarial network is a software system designed to be trained with authentic inputs (e.g., photographs) to generate similar, but artificial, outputs (e.g., deepfakes).

Specifically, the NSF must support research on manipulated or synthesized content and information authenticity.

(Sec. 4) NIST must support research for the development of measurements and standards necessary to accelerate the development of the technological tools to examine the function and outputs of generative adversarial networks or other technologies that synthesize or manipulate content.

NIST shall conduct outreach to (1) 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) consider the feasibility of an ongoing public and private sector engagement to develop voluntary standards for the function and outputs of such networks or other technologies that synthesize or manipulate content.

(Sec. 5) The NSF and NIST must jointly submit to Congress a report containing (1) such agencies' findings with respect to the feasibility for research opportunities with the private sector, including digital media companies to detect the function and outputs of generative adversarial networks or other technologies that synthesize or manipulate content; and (2) any policy recommendations of those agencies that could facilitate and improve communication and coordination between the private sector, the NSF, and relevant federal agencies through the implementation of innovative approaches to detect digital content produced by such networks or such technologies.

Actions Timeline

- **Dec 10, 2019:** Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation.
- **Dec 9, 2019:** Ms. Johnson (TX) moved to suspend the rules and pass the bill, as amended.
- **Dec 9, 2019:** Considered under suspension of the rules. (consideration: CR H9363-9364)
- **Dec 9, 2019:** DEBATE - The House proceeded with forty minutes of debate on H.R. 4355.
- **Dec 9, 2019:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote.(text: CR H9363-9364)
- **Dec 9, 2019:** On motion to suspend the rules and pass the bill, as amended Agreed to by voice vote. (text: CR H9363-9364)
- **Dec 9, 2019:** Motion to reconsider laid on the table Agreed to without objection.
- **Nov 5, 2019:** Reported (Amended) by the Committee on Science, Space, and Technology. H. Rept. 116-268.
- **Nov 5, 2019:** Placed on the Union Calendar, Calendar No. 213.
- **Sep 25, 2019:** Committee Consideration and Mark-up Session Held.
- **Sep 25, 2019:** Ordered to be Reported (Amended) by Voice Vote.
- **Sep 17, 2019:** Introduced in House
- **Sep 17, 2019:** Referred to the House Committee on Science, Space, and Technology.