H. R. 2227

To modernize Government information technology, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

APRIL 28, 2017

Mr. HURD (for himself, Mr. CONNOLLY, Ms. KELLY of Illinois, Mr. CHAFFETZ, Mr. CUMMINGS, Mr. TED LIEU of California, Mr. KI汉NA, Mr. KILMER, Mrs. COMSTOCK, Mr. YODER, Mr. TAYLOR, and Ms. GRANGER) introduced the following bill; which was referred to the Committee on Oversight and Government Reform, and in addition to the Committee on Appropriations, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned.

A BILL

To modernize Government information technology, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the “Modernizing Government Technology Act of 2017” or the “MGT Act”.

SEC. 2. FINDINGS; PURPOSES.

(a) FINDINGS.—The Congress finds the following:
(1) The Federal Government spends nearly 75 percent of its annual information technology funding on operating and maintaining existing legacy information technology systems. These systems can pose operational risks, including rising costs and inability to meet mission requirements. These systems also pose security risks, including the inability to use current security best practices, such as data encryption and multi-factor authentication, making these systems particularly vulnerable to malicious cyber activity.

(2) In 2015, the Government Accountability Office (GAO) designated Improving the Management of IT Acquisitions and Operations to its biannual High Risk List and identified as a particular concern the increasing level of information technology spending on operations and maintenance, making less funding available for development or modernization. The GAO also found the Government has spent billions on failed and poorly performing information technology investments due to a lack of effective oversight.

(3) The Federal Government must modernize Federal IT systems to mitigate existing operational and security risks.
(4) The efficiencies, cost savings, and greater computing power offered by modernized solutions, such as cloud computing, have the potential to—

(A) eliminate inappropriate duplication and reduce costs;

(B) address the critical need for cybersecurity by design; and

(C) move the Federal Government into a broad, digital-services delivery model that will transform the ability of the Federal Government to meet mission requirements and deliver services to the American people.

(b) PURPOSES.—The purposes of this Act are the following:

(1) Assist the Federal Government in modernized Federal information technology to mitigate current operational and security risks.

(2) Incentivize cost savings in Federal information technology through modernization.

(3) Accelerate the acquisition and deployment of modernized information technology solutions, such as cloud computing, by addressing impediments in the areas of funding, development, and acquisition practices.
SEC. 3. ESTABLISHMENT OF AGENCY INFORMATION TECHNOLOGY SYSTEMS MODERNIZATION AND WORKING CAPITAL FUNDS.

(a) Information Technology System Modernization and Working Capital Funds.—

(1) Establishment.—The head of a covered agency may establish within such agency an information technology system modernization and working capital fund (in this section referred to as the “IT working capital fund”) for necessary expenses described in paragraph (3).

(2) Source of Funds.—The following amounts may be deposited into an IT working capital fund:

(A) Reprogramming and transfer of funds made available in appropriations Acts subsequent to the date of the enactment of this Act, including transfer of any funds for the operation and maintenance of legacy information technology systems, in compliance with any applicable reprogramming law or guidelines of the Committees on Appropriations of the House of Representatives and the Senate.

(B) Amounts made available to the IT working capital fund through discretionary ap-
propriations made available subsequent to the
date of the enactment of this Act.

(3) USE OF FUNDS.—An IT working capital
fund established under paragraph (1) may be used,
subject to the availability of appropriations, only for
the following:

(A) To improve, retire, or replace existing
information technology systems in the covered
agency to enhance cybersecurity and to improve
efficiency and effectiveness.

(B) To transition legacy information tech-
nology systems at the covered agency to cloud
computing and other innovative platforms and
technologies, including those serving more than
one covered agency with common requirements.

(C) To assist and support covered agency
efforts to provide adequate, risk-based, and
cost-effective information technology capabilities
that address evolving threats to information se-
curity.

(D) To reimburse funds transferred to the
covered agency from the Technology Moderniza-
tion Fund established under section 4, with the
approval of the Chief Information Officer of the
covered agency.
(4) **EXISTING FUNDS.**—An IT working capital fund may not be used to supplant funds provided for the operation and maintenance of any system within an appropriation for the covered agency at the time of establishment of the IT working capital fund.

(5) **PRIORITIZATION OF FUNDS.**—The head of each covered agency shall prioritize funds within the IT working capital fund to be used initially for cost savings activities approved by the Chief Information Officer of the covered agency, in consultation with the Administrator of the Office of Electronic Government. The head of each covered agency may reprogram and transfer any amounts saved as a direct result of such activities for deposit into the applicable IT working capital fund, consistent with paragraph (2)(A).

(6) **RETURN OF FUNDS.**—Any funds deposited into an IT working capital fund shall be available for obligation for three years after the last day of the fiscal year in which such funds were deposited.

(7) **AGENCY CIO RESPONSIBILITIES.**—In evaluating projects to be funded from the IT working capital fund, the Chief Information Officer of the covered agency shall consider, to the extent applicable, guidance issued pursuant to section 4(a)(1) to
evaluate applications for funding from the Technology Modernization Fund established under that section that include factors such as a strong business case, technical design, procurement strategy (including adequate use of incremental software development practices), and program management.

(b) Reporting Requirement.—

(1) In general.—Not later than one year after the date of the enactment of this Act, and every six months thereafter, the head of each covered agency shall submit to the Director the following, with respect to the IT working capital fund for the covered agency:

(A) A list of each information technology investment funded with estimated cost and completion date for each such investment.

(B) A summary by fiscal year of obligations, expenditures, and unused balances.

(2) Public availability.—The Director shall make the information submitted under paragraph (1) publicly available on a website.

(c) Covered agency defined.—In this section, the term “covered agency” means each agency listed in section 901(b) of title 31, United States Code.
SEC. 4. ESTABLISHMENT OF TECHNOLOGY MODERNIZATION FUND AND BOARD.

(a) TECHNOLOGY MODERNIZATION FUND.—

(1) ESTABLISHMENT.—There is established in the Treasury a Technology Modernization Fund (in this section referred to as the “Fund”) for technology-related activities, to improve information technology, to enhance cybersecurity across the Federal Government, and to be administered in accordance with guidance issued by the Director.

(2) ADMINISTRATION OF FUND.—The Commissioner of the Technology Transformation Service of the General Services Administration, in consultation with the Chief Information Officers Council and with the approval of the Director, shall administer the Fund in accordance with this subsection.

(3) USE OF FUNDS.—The Commissioner shall, in accordance with the recommendations of the Technology Modernization Board established under subsection (b), use amounts in the Fund for the following purposes:

(A) To transfer such amounts, to remain available until expended, to the head of an agency to improve, retire, or replace existing Federal information technology systems to en-
hance cybersecurity and improve efficiency and
effectiveness.

(B) For the development, operation, and
procurement of information technology prod-
ucts, services, and acquisition vehicles for use
by agencies to improve Governmentwide effi-
ciency and cybersecurity in accordance with the
requirements of such agencies.

(C) To provide services or work performed
in support of the activities described under sub-
paragraph (A) or (B).

(4) Authorization of Appropriations;
Credits; Availability of Funds.—

(A) Authorization of Appropriations.—There is authorized to be appropriated
to the Fund $250,000,000 for each of fiscal
years 2018 and 2019.

(B) Credits.—In addition to any funds
otherwise appropriated, the Fund shall be cred-
ited with all reimbursements, advances, or re-
funds or recoveries relating to information tech-
ology or services provided through the Fund.

(C) Availability of Funds.—Amounts
deposited, credited, or otherwise made available
to the Fund shall be available, as provided in
appropriations Acts, until expended for the purposes described in paragraph (3).

(5) Reimbursement.—

(A) Payment by agency.—For a product or service developed under paragraph (3)(B), including any services or work performed in support of such development under paragraph (3)(C), the head of an agency that uses such product or service shall pay an amount fixed by the Commissioner in accordance with this paragraph.

(B) Reimbursement by agency.—The head of an agency shall reimburse the Fund for any transfer made under paragraph (3)(A), including any services or work performed in support of such transfer under paragraph (3)(C), in accordance with the terms established in a written agreement described in paragraph (6). Notwithstanding any other provision of law, an agency may make a reimbursement required by this subparagraph from any appropriation made available subsequent to the date of the enactment of this Act for information technology activities, consistent with any applicable reprogramming law or guidelines of the Commit-
tees on Appropriations of the House of Represen-
tatives and the Senate. An obligation to make a payment under a written agreement described in paragraph (6) in a fiscal year after the date of the enactment of this Act shall be recorded pursuant to section 1501 of title 31, United States Code, in the fiscal year in which the payment is due.

(C) PRICES FIXED BY COMMISSIONER.—The Commissioner, in consultation with the Director, shall establish amounts to be paid by an agency and terms of repayment for use of a product or service developed under paragraph (3)(B), including any services or work performed in support of such development under paragraph (3)(C), at levels sufficient to ensure the solvency of the Fund, including operating expenses. Before making any changes to the established amounts and terms of repayment, the Commissioner shall conduct a review and obtain approval from the Director.

(D) FAILURE TO MAKE TIMELY REIMBURSEMENT.—The Commissioner may obtain reimbursement by the issuance of transfer and counterwarrants, or other lawful transfer docu-
ments, supported by itemized bills, if payment
is not made by an agency—

(i) within 90 days after the expiration
of a repayment period described in a writ-
ten agreement described in paragraph (6);
or

(ii) within 45 days after the expiration
of the time period to make a payment
under a payment schedule for a product or
service developed under paragraph (3)(B).

(6) WRITTEN AGREEMENT.—

(A) IN GENERAL.—Before the transfer of
funds to an agency under paragraph (3)(A), the
Commissioner (in consultation with the Direc-
tor) and the head of the requisitioning agency
shall enter into a written agreement docu-
menting the purpose for which the funds will be
used and the terms of repayment, which may
not exceed five years unless approved by the Di-
rector. An agreement made pursuant to this
subparagraph shall be recorded as an obligation
as provided in paragraph (5)(B).

(B) REQUIREMENT FOR USE OF INCRE-
MENTAL DEVELOPMENT PRACTICES.—For any
funds transferred to an agency under para-
graph (3)(A), in the absence of compelling circum-
cumstances documented by the Commissioner at the time of transfer, such funds shall be transferred only on an incremental basis, tied to metric-based development milestones achieved by the agency, to be described in a written agreement required under subparagraph (A).

(7) REPORTING REQUIREMENT.—Not later than six months after the date of the enactment of this Act, the Director shall publish and maintain a list of each project funded by the Fund on a public website, to be updated not less than quarterly, that includes a description of the project, project status (including any schedule delay and cost overruns), and financial expenditure data related to the project.

(b) TECHNOLOGY MODERNIZATION BOARD.—

(1) E STABLISHMENT.—There is established a Technology Modernization Board (in this section referred to as the “Board”) to evaluate proposals submitted by agencies for funding authorized under the Fund.

(2) R ESPONSIBILITIES.—The responsibilities of the Board are the following:

(A) Provide input to the Director for the development of processes for agencies to submit
modernization proposals to the Board and to
establish the criteria by which such proposals
are evaluated, which shall include addressing
the greatest security and operational risks, hav-
ing the greatest Governmentwide impact, and
having a high probability of success based on
factors such as a strong business case, technical
design, procurement strategy (including ade-
quate use of incremental software development
practices), and program management.

(B) Make recommendations to the Com-
missioner to assist agencies in the further devel-
opment and refinement of select submitted
modernization proposals, based on an initial
evaluation performed with the assistance of the
Commissioner.

(C) Review and prioritize, with the assist-
ance of the Commissioner and the Director,
modernization proposals based on criteria estab-
lished pursuant to subparagraph (A).

(D) Identify, with the assistance of the
Commissioner, opportunities to improve or re-
place multiple information technology systems
with a smaller number of information tech-
nology systems common to multiple agencies.
(E) Recommend the funding of modernization projects, in accordance with the uses described in subsection (a)(3), to the Commissioner.

(F) Monitor, in consultation with the Commissioner, progress and performance in executing approved projects and, if necessary, recommend the suspension or termination of funding for projects based on factors such as failure to meet the terms of a written agreement described in subsection (a)(6).

(G) Monitor operating costs of the Fund.

(3) MEMBERSHIP.—The Board shall consist of eight voting members.

(4) CHAIR.—The Chair of the Board shall be the Administrator of the Office of Electronic Government.

(5) PERMANENT MEMBERS.—The permanent members of the Board shall be the following:

(A) The Administrator of the Office of Electronic Government.

(B) A senior official from the General Services Administration having technical expertise in information technology development, ap-
pointed by the Administrator of General Services, with the approval of the Director.

(6) ADDITIONAL MEMBERS OF THE BOARD.—

(A) APPOINTMENT.—The other members of the Board shall be appointed as follows:

   (i) One employee of the National Protection and Programs Directorate of the Department of Homeland Security, appointed by the Secretary of Homeland Security.

   (ii) One employee of the Department of Defense, appointed by the Secretary of Defense.

   (iii) Four Federal employees primarily having technical expertise in information technology development, financial management, cybersecurity and privacy, and acquisition, appointed by the Director.

(B) TERM.—Each member of the Board described in paragraph (A) shall serve a term of one year, which shall be renewable up to three times, at the discretion of the appointing Secretary or Director, as applicable.

(7) PROHIBITION ON COMPENSATION.—Members of the Board may not receive additional pay, al-
lowances, or benefits by reason of their service on the Board.

(8) **Staff.**—Upon request of the Chair of the Board, the Director and the Administrator of General Services may detail, on a nonreimbursable basis, any of the personnel of the Office of Management and Budget or the General Services Administration (as the case may be) to the Board to assist the Board in carrying out its functions under this Act.

(c) **Responsibilities of Commissioner.**—

(1) **In General.**—In addition to the responsibilities described in subsection (a), the Commissioner shall support the activities of the Board and provide technical support to, and, with the concurrence of the Director, oversight of, agencies that receive transfers from the Fund.

(2) **Responsibilities.**—The responsibilities of the Commissioner are the following:

(A) Provide direct technical support in the form of personnel services or otherwise to agencies transferred amounts under subsection (a)(3)(A) and for products, services, and acquisition vehicles funded under subsection (a)(3)(B).
(B) Assist the Board with the evaluation, prioritization, and development of agency modernization proposals.

(C) Perform regular project oversight and monitoring of approved agency modernization projects, in consultation with the Board and the Director, to increase the likelihood of successful implementation and reduce waste.

(D) Provide the Director with information necessary to meet the requirements of subsection (a)(7).

(d) AGENCY DEFINED.—In this section, the term “agency” has the meaning given that term in section 551 of title 5, United States Code.

SEC. 5. DEFINITIONS.

In this Act:

(1) CLOUD COMPUTING.—The term “cloud computing” has the meaning given that term by the National Institute of Standards and Technology in NIST Special Publication 800–145 and any amendatory or superseding document thereto.

(2) COMMISSIONER.—The term “Commissioner” means the Commissioner of the Technology Transformation Service of the General Services Administration.
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(3) DIRECTOR.—The term “Director” means the Director of the Office of Management and Budget.

(4) INFORMATION TECHNOLOGY.—The term “information technology” has the meaning given that term in section 3502 of title 44, United States Code.

(5) LEGACY INFORMATION TECHNOLOGY SYSTEM.—The term “legacy information technology system” means an outdated or obsolete system of information technology.