THE GENERAL ASSEMBLY OF PENNSYLVANIA

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INTRODUCED BY PRIME SPONSOR WITHDREW, GROVE, RYAN, DOWLING, SCHEMEL, FRITZ, WALSH, ROTHMAN, B. MILLER, BERNSTINE, KAUFFMAN, WHEELAND, ZIMMERMAN, MILLARD, IRVIN, COOK, HELM AND GAYDOS, MARCH 14, 2019

REFERRED TO COMMITTEE ON STATE GOVERNMENT, MARCH 14, 2019

AN ACT

1 2 3 4 5 6 7	Amending Title 71 (State Government) of the Pennsylvania Consolidated Statutes, in boards and offices, providing for information technology; establishing the Office of Information Technology and the Information Technology Fund; providing for administrative and procurement procedures and for the Joint Cybersecurity Oversight Committee; and imposing penalties.
8	The General Assembly of the Commonwealth of Pennsylvania
9	hereby enacts as follows:
10	Section 1. Part V of Title 71 of the Pennsylvania
11	Consolidated Statutes is amended by adding a chapter to read:
12	CHAPTER 43
13	INFORMATION TECHNOLOGY
14	Subchapter
15	A. General Provisions
16	B. Office of Information Technology
17	C. Procurement and Business Operations
18	D. Security
19	E. Enforcement and Penalties

1	<u>SUBCHAPTER A</u>
2	GENERAL PROVISIONS
3	Sec.
4	4301. Scope of chapter.
5	4302. Findings and declarations.
6	4303. Definitions.
7	§ 4301. Scope of chapter.
8	This chapter relates to administrative procedures and
9	procurement regarding information technology.
10	§ 4302. Findings and declarations.
11	The General Assembly finds and declares the following:
12	(1) The Commonwealth has struggled to keep information
13	technology costs under control.
14	(2) Many of the Commonwealth's information technology
15	contracts extend well beyond their anticipated date of
16	<pre>completion.</pre>
17	(3) The Commonwealth can begin to reduce information
18	technology costs by the consolidation of information
19	technology functions and resources within the executive
20	branch.
21	(4) Consolidation of information technology services
22	will not only reduce costs but create more efficient
23	information technology operations.
24	(5) By reforming the Commonwealth's outdated approach to
25	information technology, the Commonwealth can improve data and
26	analytic capabilities and improve cybersecurity.
27	(6) The improvement of operations will enhance taxpayer
28	satisfaction and make it easier for residents to navigate.
29	(7) Consolidation of information technology services
30	must be designed to improve accountability and transparency

- to taxpayers and enhance the Commonwealth's data and
- 2 <u>analytics capabilities.</u>
- 3 § 4303. Definitions.
- 4 The following words and phrases when used in this chapter
- 5 shall have the meanings given to them in this section unless the
- 6 <u>context clearly indicates otherwise:</u>
- 7 "Director." The administrative head of the office.
- 8 "Distributed information technology assets." Hardware,
- 9 software and communications equipment not classified as
- 10 traditional mainframe-based items, including, but not limited
- 11 to, personal computers, local area networks, servers, mobile
- 12 computers, peripheral equipment and other related hardware and
- 13 <u>software items.</u>
- 14 <u>"Electronic bidding." The electronic solicitation and</u>
- 15 receipt of offers to contract.
- 16 <u>"Fund." The Information Technology Fund established under</u>
- 17 section 4316 (relating to Information Technology Fund).
- "Independent agency." A board, commission, authority or
- 19 other agency of the Commonwealth that is not subject to the
- 20 policy supervision and control of the Governor. The term does
- 21 not include:
- 22 (1) a court or agency of the unified judicial system; or
- 23 (2) the General Assembly or an agency of the General
- 24 Assembly.
- 25 "Independent department." Any of the following:
- 26 (1) The Department of the Auditor General.
- 27 <u>(2) The Treasury Department.</u>
- 28 (3) The Office of Attorney General.
- 29 (4) A board or commission of an entity under paragraph
- 30 (1), (2) or (3).

- 1 <u>"Information technology." Hardware, software and</u>
- 2 telecommunications equipment, including, but not limited to, the
- 3 following:
- 4 <u>(1) Personal computers.</u>
- 5 (2) Servers.
- 6 (3) Mainframes.
- 7 (4) Wired or wireless wide and local area networks.
- 8 (5) Broadband.
- 9 <u>(6) Mobile or portable computers.</u>
- 10 <u>(7) Peripheral equipment.</u>
- 11 <u>(8) Telephones.</u>
- 12 (9) Wireless communications.
- 13 <u>(10) Handheld devices.</u>
- 14 (11) Public safety radio services.
- 15 (12) Facsimile machines.
- 16 (13) Technology facilities, including, but not limited
- 17 to, data centers, dedicated training facilities or switching
- 18 <u>facilities</u>.
- 19 (13.1) Electronic payment processing services.
- 20 (14) Other relevant hardware and software items or
- 21 personnel tasked with the planning, implementation or support
- 22 of technology, including hosting or vendor-managed service
- 23 solutions.
- "Information technology security incident." A computer-based
- 25 <u>activity</u>, <u>network-based activity or paper-based activity which</u>
- 26 results directly or indirectly in misuse, damage, denial of
- 27 <u>service</u>, <u>compromise of integrity or loss of confidentiality of a</u>
- 28 network, a computer, an application or data.
- 29 "Office." The Office of Information Technology established
- 30 under Subchapter B (relating to Office of Information

- 1 Technology).
- 2 <u>"Reverse auction." A real-time purchasing process in which</u>
- 3 <u>vendors compete to provide goods or services at the lowest</u>
- 4 <u>selling price in an open and interactive electronic environment.</u>
- 5 <u>"Secretary." The Secretary of Administration.</u>
- 6 <u>"State agency."</u> Any of the following:
- 7 (1) The Governor's Office.
- 8 (2) A department, board, commission, authority or other
- 9 agency of the Commonwealth that is subject to the policy
- 10 supervision and control of the Governor.
- 11 (3) The office of Lieutenant Governor.
- 12 <u>(4) An independent agency.</u>
- 13 <u>SUBCHAPTER B</u>
- 14 OFFICE OF INFORMATION TECHNOLOGY
- 15 Sec.
- 16 4311. Establishment of office.
- 17 4312. Duties of office.
- 18 <u>4313. Transfer of duties.</u>
- 19 4314. Director.
- 20 4315. Planning and financing information technology resources.
- 21 4316. Information Technology Fund.
- 22 4317. Financial accountability and information technology.
- 23 4318. Statewide electronic portal and annual report.
- 24 4319. Budget for information technology.
- 25 4320. Commonwealth portal.
- 26 4321. Information technology request.
- 27 4322. Status of information technology projects and corrective
- action plans.
- 29 § 4311. Establishment of office.
- 30 The Office of Information Technology is established within

- 1 the Governor's Office of Administration.
 2 \$ 4312. Duties of office.
- 3 (a) Duties generally. -- The office shall:
- 4 (1) Consolidate information technology functions,
- 5 powers, duties, obligations infrastructure and support
- 6 <u>services vested in State agencies.</u>
- 7 (2) Direct the management and operations of information
- 8 <u>technology services for each State agency, including, but not</u>
- 9 limited to, the following:
- 10 <u>(i) The development of priorities and strategic</u>
- 11 plans.
- 12 (ii) The management of information technology
- investments, procurement and policy.
- 14 <u>(iii) Oversight of each State agency to ensure</u>
- compliance with the provisions of this chapter.
- 16 (3) Recommend any changes to staffing or operations
- 17 regarding information technology.
- 18 (b) Specific duties. -- As part of the general duties under
- 19 subsection (a), the office shall:
- 20 (1) Assist in developing annual information technology
- 21 strategic plans for each State agency that include
- 22 priorities, coordination and monitoring of resource use and
- 23 expenditures, performance review measures, procurement and
- other governance and planning measures.
- 25 (2) Review and approve the information technology plans
- for each State agency.
- 27 (3) Consult with the Governor's Office of the Budget on
- 28 budgetary matters regarding information technology planning
- and procurement.
- 30 (4) Create an advisory structure to advise on matters

Τ	involving overall technology and data governance.
2	(5) Establish and maintain an information technology
3	portfolio management process for overall monitoring of
4	information technology program objectives, alignment with
5	priorities, budgets and expenditures.
6	(6) Identify common information technology business
7	functions within each State agency.
8	(7) Make recommendations for consolidation, integration
9	and investment.
10	(8) Facilitate the use of common technology, as
11	appropriate.
12	(9) Expand the use of project management methodologies
13	and principles on information technology projects, including
14	measures to review project delivery and quality.
15	(10) Ensure compliance by each State agency with
16	required business process reviews.
17	(11) Maintain a central procurement organization.
18	(12) Procure or supervise the procurement of all
19	information technology.
20	(13) Oversee information technology contract issues,
21	monitoring and compliance.
22	(14) Serve as a liaison between State agencies and
23	contracted information technology vendors.
24	(15) Align the appropriate technology and procurement
25	methods with the service strategy.
26	(16) Establish an information technology architecture
27	framework that governs information technology investments.
28	This architecture framework shall include the following, as
29	appropriate:
30	(i) The development of standards, policies,

Τ	processes and strategic technology roadmaps.
2	(ii) The performance of technical reviews and
3	capability assessments of services, technologies and
4	State agency systems.
5	(iii) The evaluation of requests for information
6	technology policy exceptions.
7	(17) Develop and implement efforts to standardize data
8	elements and determine data ownership assignments.
9	(18) Develop and maintain a comprehensive information
10	technology inventory.
11	(19) Monitor compliance with information technology
12	policy and standards through an architectural review process.
13	(20) Maintain and strengthen the Commonwealth's
14	cybersecurity posture through security governance.
15	(21) Develop security solutions, services and programs
16	to protect data and infrastructure.
17	(22) Identify and remediate security risks and maintain
18	citizen trust in securing computerized personal information.
19	(23) Implement programs, processes and solutions to
20	maintain cybersecurity situational awareness and effectively
21	respond to cybersecurity attacks and information technology
22	security incidents.
23	(24) Foster a culture of situational and risk awareness.
24	(25) Conduct evaluations and compliance audits of State
25	agency security infrastructure.
26	(26) Recommend and conduct the consolidation of State
27	agency information technology services, including, but not
28	limited to, infrastructure, personnel, investments,
29	operations and support services.
30	(27) Establish and facilitate a process for the

Τ	identification, evaluation and optimization of information
2	technology shared services.
3	(28) Establish, maintain and communicate service level
4	agreements for shared services.
5	(29) Establish a process for:
6	(i) the development and implementation of
7	telecommunications policies, services and infrastructure;
8	<u>and</u>
9	(ii) reviewing and authorizing State agency requests
10	for enhanced services.
11	(30) Identify opportunities for convergence and
12	leveraging existing assets to reduce or eliminate duplicative
13	telecommunication networks.
14	(31) Establish and maintain an information technology
15	service management process library to govern the services
16	provided to each State agency.
17	(32) Establish a formal governance body to evaluate the
18	introduction of new information technology services and the
19	retiring of existing information technology services.
20	(33) Establish metrics to monitor the health of the
21	services provided and make appropriate corrections as
22	necessary.
23	(34) Establish information technology data management
24	and development policy frameworks for each State agency that
25	include policies, processes and standards that adhere to
26	commonly accepted principles for, among other things, data
27	governance, data development and the quality, sourcing, use,
28	accessibility, content, ownership and licensing of open data.
29	(35) Create and maintain a comprehensive open data
30	portal for public accessibility.

Τ	(36) Provide guidance regarding the procurement of
2	supplies and services related to the subject matter of this
3	<pre>chapter.</pre>
4	(37) Facilitate communication with the public by
5	publishing open data plans and policies and by soliciting or
6	allowing for public input on the subject matter of this
7	<pre>chapter.</pre>
8	(38) Ensure the internal examination of Commonwealth
9	data sets for business, confidentiality, privacy and security
10	issues and the reasonable mitigation of those issues, prior
11	to the data's release for open data purposes.
12	(39) Develop and facilitate the engagement with private
13	and other public stakeholders, including, but not limited to,
14	arranging for and expediting data-sharing agreements and
15	encouraging and facilitating cooperation and substantive and
16	administrative efficiencies.
17	(40) Develop and facilitate data sharing and data
18	analytics.
19	(41) Oversee and manage the information technology
20	contracts of each State agency. The following shall apply:
21	(i) The office shall obtain, review and maintain, on
22	an ongoing basis, records of the appropriations,
23	allotments, expenditures and revenues of each State
24	agency for information technology.
25	(ii) The office shall not manage but shall
26	coordinate efforts as necessary and appropriate regarding
27	the information technology contracts of an independent
28	department, the General Assembly and its agencies or the
29	agencies of the judicial branch.
30	§ 4313. Transfer of duties.

- 1 Upon the effective date of this chapter, information
- 2 technology functions, powers, duties, obligations and services
- 3 shall be transferred to and vested in the office. The following
- 4 shall apply:
- 5 (1) The chief information officer of each State agency
- 6 shall:
- 7 <u>(i) Report directly to the director.</u>
- 8 <u>(ii) Work within the chief information officer's</u>
- 9 <u>respective State agency on behalf of the office as an</u>
- 10 <u>employee of the office.</u>
- 11 (2) The salary and costs related to the chief
- 12 <u>information officer of each State agency shall be paid by the</u>
- chief information officer's respective State agency from
- 14 <u>funds appropriated for general government operations.</u>
- 15 (3) The following shall apply for an employee of a State
- 16 <u>agency who handles or otherwise has responsibility for the</u>
- 17 State agency's information technology services:
- 18 (i) Except as provided in subparagraph (ii), the
- 19 employee shall be transferred to the office as an
- 20 employee of the State agency and operate in the physical
- 21 location of the State agency, but the employee shall
- 22 report matters to the office and be supervised by the
- office.
- 24 (ii) Subparagraph (i) shall not apply to an employee
- 25 who handles proprietary information technology programs.
- The employee shall remain an employee of the State agency
- and shall coordinate with the office.
- 28 § 4314. Director.
- 29 (a) Appointment and salary. -- The secretary shall appoint the
- 30 director and set the salary of the director.

- 1 (b) Qualifications. -- The director shall be qualified by
- 2 <u>education and experience for the office.</u>
- 3 (c) Duties.--In addition to other duties specified under
- 4 this chapter, the director shall:
- 5 <u>(1) Manage the operations of the office.</u>
- 6 (2) Develop and administer a comprehensive long-range
- 7 plan to ensure the proper management of the Commonwealth's
- 8 <u>information technology resources.</u>
- 9 (3) Set technical standards for information technology
- and review and approve information technology projects and
- 11 <u>budgets.</u>
- 12 (4) Establish information technology security standards.
- 13 (5) Provide for the procurement of information
- 14 <u>technology resources.</u>
- 15 <u>(6) Develop a schedule for the replacement or</u>
- 16 <u>modification of information technology systems.</u>
- 17 (7) Require and review reports by each State agency
- 18 concerning information technology assets, systems, personnel
- and projects and prescribe the form of the reports.
- 20 (8) Prescribe the manner in which information technology
- 21 <u>assets, systems and personnel shall be provided and</u>
- 22 <u>distributed among State agencies.</u>
- 23 (9) Prescribe the manner of inspecting or testing
- information technology assets, systems or personnel to
- determine compliance with information technology plans,
- 26 specifications and requirements.
- 27 (10) Hire personnel as necessary to perform the
- 28 <u>functions of the office.</u>
- 29 § 4315. Planning and financing information technology
- resources.

- 1 (a) Development of policies. -- The director shall develop
- 2 <u>necessary policies for State agency information technology</u>
- 3 planning and financing to achieve the purposes of this chapter.
- 4 <u>(b) Development of plan.--</u>
- 5 (1) The director shall analyze the information
- 6 technology systems and develop a plan to ascertain the needs,
- 7 <u>costs and time frame required for State agencies to</u>
- 8 <u>efficiently use information technology systems, resources,</u>
- 9 security and data management to achieve the purposes of this
- 10 chapter. The plan may include current applications and
- infrastructure, migration from current environments and other
- 12 <u>information necessary for fiscal or technology planning.</u>
- 13 (2) The director shall develop strategic plans for
- information technology as necessary.
- 15 (c) Consultation and cooperation. --
- 16 (1) In determining whether a strategic plan is necessary
- for a State agency, the director shall consider the State
- 18 agency's operational needs, functions and performance
- 19 capabilities.
- 20 (2) The director shall consult with and assist State
- 21 agencies in the preparation of plans under this subsection.
- 22 (3) Each State agency shall actively participate in
- 23 preparing, testing and implementing an information technology
- 24 plan as determined by the director. A State agency shall
- 25 provide all financial information to the director necessary
- to determine full costs and expenditures for information
- 27 <u>technology assets, including resources provided by the State</u>
- 28 agency or through contracts or grants.
- 29 (4) Each State agency shall prepare and submit plans as
- 30 required by the director.

1	(5) A plan by a State agency shall be submitted to the
2	director no later than October 1 of each even-numbered year.
3	(d) Biennial plan
4	(1) The director shall develop a biennial State
5	Information Technology Plan, which shall be transmitted to
6	the General Assembly in conjunction with the Governor's
7	budget submission that year.
8	(2) The biennial plan shall include:
9	(i) An inventory of current information technology
10	assets and major projects.
11	(ii) An inventory of significant unmet needs for
12	information technology resources over a five-year time
13	period, along with a ranking of the unmet needs in
14	priority order according to their urgency.
15	(iii) A statement of the financial requirements,
16	together with a recommended funding schedule for major
17	projects in progress or anticipated for approval during
18	the upcoming fiscal biennium.
19	(iv) An analysis of opportunities for Statewide
20	initiatives that would yield significant efficiencies or
21	improve effectiveness in State programs.
22	(3) As used in this subsection, the term "major project"
23	includes a project costing more than \$500,000 to implement.
24	§ 4316. Information Technology Fund.
25	(a) EstablishmentAn account is established in the General
26	Fund to be known as the Information Technology Fund.
27	(b) Receipt of money The fund may receive money for the
28	operations of the office and to fulfill the duties of the office
29	under this chapter by the following methods:
30	(1) The transfer of encumbered funds from each State

- 1 <u>agency which were designated for information technology</u>
- 2 purposes prior to the effective date of this section.
- 3 (2) Transfers as authorized by the General Assembly that
- 4 <u>are not already provided for under this section.</u>
- 5 (3) The transfer of a portion of a State agency's funds
- 6 regarding general government operations for information
- 7 technology employees.
- 8 (c) Use of fund money.--
- 9 (1) Subject to paragraph (2), the director shall approve
- 10 the disbursement of money from the fund, which shall be used
- for the following purposes and other legitimate purposes:
- 12 <u>(i) Project management.</u>
- (ii) Security.
- 14 <u>(iii)</u> E-mail operations.
- 15 (iv) State portal operations.
- 16 (2) Expenditures made from the fund which involve money
- 17 appropriated from the General Fund shall be approved by the
- 18 <u>director</u>.
- 19 § 4317. Financial accountability and information technology.
- 20 (a) Development of processes. -- The office, along with the
- 21 Secretary of the Budget and the State Treasurer, shall develop
- 22 processes for budgeting and accounting of expenditures for
- 23 information technology operations, services, projects,
- 24 infrastructure and assets across all State agencies.
- 25 (b) Included information. -- The budgeting and accounting
- 26 processes under subsection (a) may include information regarding
- 27 the following:
- 28 (1) Hardware.
- 29 (2) Software.
- 30 (3) Personnel.

- 1 <u>(4) Training.</u>
- 2 (5) Contractual services.
- 3 (6) Other items relevant to information technology.
- 4 (c) Reports.--By February 1 of each year, the director shall
- 5 also report to the General Assembly the following information:
- 6 (1) Services currently provided and associated
- 7 <u>transaction volumes or other relevant indicators of</u>
- 8 <u>utilization by user type.</u>
- 9 (2) New services added during the previous year.
- 10 (3) The total appropriation for each service.
- 11 (4) The total amount remitted to the vendor for each
- 12 <u>service.</u>
- 13 (5) Any other use of State data by the vendor and the
- 14 <u>total amount of revenue collected per use and in total.</u>
- 15 <u>(6) User satisfaction with each service.</u>
- 16 (7) Any other issues associated with the provision of
- 17 each service.
- 18 (d) Financial information. -- The director shall, at a
- 19 minimum, include in the report under subsection (c) the
- 20 following financial information:
- 21 (1) Current budgetary balances for the fund and each
- 22 <u>information technology project.</u>
- 23 (2) Line-item details on expenditures.
- 24 (3) Anticipated expenditures for the next three years.
- 25 (4) The financial activities of the fund, including fund
- 26 expenditures, during the immediately prior fiscal year.
- 27 <u>(e) Issuance.--In addition to the General Assembly, a report</u>
- 28 under subsection (c) shall be submitted to the following:
- 29 <u>(1) The Secretary of the Budget.</u>
- 30 (2) The Independent Fiscal Office.

- 1 <u>(3) The General Assembly.</u>
- 2 § 4318. Statewide electronic portal and annual report.
- 3 The office shall develop and operate a Statewide electronic
- 4 portal to increase the convenience of the public in conducting
- 5 online transactions with and obtaining information from State
- 6 government. The portal shall be designed to facilitate and
- 7 <u>improve public interactions along with communications between</u>
- 8 State agencies.
- 9 § 4319. Budget for information technology.
- 10 The office, along with the Secretary of the Budget, shall
- 11 <u>develop and implement a plan to manage all information</u>
- 12 technology funding, including State and other receipts, as soon
- 13 <u>as practicable. As part of the plan and implementation, the</u>
- 14 following shall apply:
- 15 (1) Funding for information technology resources,
- 16 <u>projects and contracts shall be appropriated to and managed</u>
- 17 by the office.
- 18 (2) Funding for the office's information technology
- 19 <u>shared services and approved contracts shall remain with the</u>
- 20 State agencies.
- 21 (3) Information technology budget codes and fund codes
- 22 <u>shall be created as required.</u>
- 23 § 4320. Commonwealth portal.
- 24 Each State agency shall functionally link its Internet or
- 25 electronic services to a centralized web portal system
- 26 established under this chapter.
- 27 § 4321. Information technology request.
- 28 A State agency may request significant resources, as defined
- 29 by the director, for the purpose of acquiring, operating or
- 30 maintaining information technology for the State agency. In

- 1 addition to other information that may be required by the
- 2 director, the State agency shall submit the following to
- 3 <u>accompany the request:</u>
- 4 <u>(1) A statement setting forth the following:</u>
- 5 (i) The needs of the State agency for information
- 6 <u>technology and related resources, including expected</u>
- 7 <u>improvements to programmatic or business operations.</u>
- 8 (ii) The requirements for State resources, together
- 9 with an evaluation of those requirements by the chief
- information officer assigned to the State agency which
- 11 takes into consideration the following:
- 12 <u>(A) The State's current technology.</u>
- 13 (B) The opportunities for technology sharing.
- 14 <u>(C) Any other factors relevant to the analysis</u>
- by the director.
- 16 (2) A review and evaluation of the statement under
- 17 paragraph (1) which is prepared by the chief information
- officer assigned to the State agency.
- 19 (3) In cases of an acquisition, an explanation of the
- 20 method by which the acquisition is to be financed.
- 21 (4) A statement by the chief information officer
- assigned to the State agency which sets forth viable
- 23 alternatives, if any, for meeting the State agency needs in
- 24 <u>an economical and efficient manner.</u>
- 25 § 4322. Status of information technology projects and
- 26 corrective action plans.
- 27 (a) Portal.--Within one year of the effective date of this
- 28 act, the director shall develop a web-based portal detailing the
- 29 status of each of the Commonwealth's information technology
- 30 projects. The portal shall include the following:

Τ	(1) A Dilet Summary Of each information technology
2	project.
3	(2) The approved budget of each project.
4	(3) The total and percent of the project's approved
5	budget which has been expended by the agency based on the end
6	balance from the prior business day, along with a color
7	designation as follows:
8	(i) If an information technology project is under
9	the project's approved budget, the project shall be
10	designated as the color green.
11	(ii) If an information technology project is over
12	the project's approved budget, the project shall be
13	designated as the color red.
14	(4) The completion date in the original contract along
15	with the total percent of work for the project that has been
16	completed, along with a color designation as follows:
17	(i) If an information technology project has not
18	exceeded the completion date in the original contract,
19	the project shall be designated as green.
20	(ii) If an information technology project has
21	exceeded the completion date in the original contract,
22	the project shall be designated as red.
23	(5) A summary of the scope of work, along with a color
24	designation as follows:
25	(i) If an information technology project is meeting
26	the scope of work in the original contract, the project
27	shall be designated as the color green.
28	(ii) If an information technology project is not
29	meeting the scope of work in the original contract, the
30	project shall be designated as the color red.

_	(0) If building of the performance requirements of the
2	contract, along with a color designation as follows:
3	(i) If an information technology project is meeting
4	the performance requirements in the original contract,
5	the project shall be designated as the color green.
6	(ii) If an information technology project is not
7	meeting the performance measures in the original
8	contract, the project shall be designated as the color
9	red.
10	(b) Notification The following shall apply:
11	(1) Upon determining that an information technology
12	project will be designated red, the director shall notify the
13	Governor's Office, the Independent Fiscal Office and the
14	General Assembly.
15	(2) Upon being notified that the information technology
16	project is designated as red, the director shall develop a
17	corrective action plan to ensure that the information
18	technology project moves back to green status.
19	(3) The corrective action plan shall be finalized within
20	20 days from the notification. The finalized corrective
21	action plan shall be sent to the General Assembly, the
22	Independent Fiscal Office and the Auditor General.
23	SUBCHAPTER C
24	PROCUREMENT AND BUSINESS OPERATIONS
25	Sec.
26	4331. Reporting requirements regarding procurement.
27	4332. Business continuity planning.
28	4333. Information technology operations.
29	4334. Communications services.
30	4335. Project approval standards.

- 1 4336. Project management standards.
- 2 <u>4337. Dispute resolution.</u>
- 3 4338. Procurement of information technology.
- 4 4339. Contractor verification.
- 5 <u>4340</u>. Review and approval of contracts.
- 6 4341. Purchase of certain equipment prohibited.
- 7 <u>4342</u>. Refurbished computer equipment purchasing program.
- 8 <u>4343. Data on reliability and other matters.</u>
- 9 <u>§ 4331. Reporting requirements regarding procurement.</u>
- 10 (a) Bids.--A vendor submitting a bid or proposal shall
- 11 disclose in a statement, provided contemporaneously with the bid
- 12 or proposal, where services will be performed under the contract
- 13 sought, including any subcontracts, and whether any services
- 14 under that contract, including any subcontracts, are anticipated
- 15 to be performed outside the United States.
- 16 (b) Retention and reports. -- The director shall:
- 17 (1) retain the statements required by this section
- 18 regardless of the State agency that awards the contract; and
- 19 (2) report annually to the secretary on the number of
- 20 contracts.
- 21 (c) Records of purchases. -- Each State agency which makes a
- 22 purchase of information technology through the office shall
- 23 report directly to the director, who shall keep annual records
- 24 of information technology purchases.
- 25 (d) Effect of section. -- Nothing in this section is intended
- 26 to contravene any existing treaty, law, agreement or regulation
- 27 of the United States.
- 28 § 4332. Business continuity planning.
- 29 <u>(a) Oversight.--The director shall oversee the manner and</u>
- 30 means by which information technology business and disaster

- 1 recovery plans for State agencies are created, reviewed and
- 2 updated.
- 3 (b) Disaster recovery planning team. -- Each State agency
- 4 <u>shall establish a disaster recovery planning team to work with</u>
- 5 the office to develop the disaster recovery plan and administer
- 6 <u>and implement the plan.</u>
- 7 (c) Components of plan. -- In developing a disaster recovery
- 8 plan, all of the following shall be completed:
- 9 <u>(1) Consideration of the organizational, managerial and</u>
- 10 technical environments in which the plan must be implemented.
- 11 (2) An assessment of the types and likely parameters of
- 12 <u>disasters most likely to occur and the resultant impacts on</u>
- the State agency's ability to perform its mission.
- 14 (3) The listing of the protective measures to be
- implemented in anticipation of a natural or manmade disaster.
- 16 <u>(4) A determination whether the plan is adequate to</u>
- 17 address information technology security incidents.
- 18 (d) Submittal.--Each State agency shall submit its disaster
- 19 recovery plan to the director on an annual basis and as
- 20 otherwise requested by the director.
- 21 § 4333. Information technology operations.
- 22 (a) Functions. -- In addition to other functions authorized or
- 23 required by this chapter, the office shall do the following:
- 24 (1) Establish and operate centers of expertise for
- 25 specific information technologies and services to serve two
- or more State agencies on a cost-sharing basis, if the
- director, after consultation with the Budget Office, decides
- it is advisable from the standpoint of efficiency and
- 29 <u>economy to establish these centers and services.</u>
- 30 (2) Require a State agency served to transfer to the

- department ownership, custody or control of information
- 2 processing equipment, supplies and positions required by the
- 3 <u>shared centers and services.</u>
- 4 (3) Adopt plans, policies and procedures for the
- 5 <u>acquisition</u>, management and use of information technology
- 6 <u>resources in State agencies to facilitate more efficient and</u>
- 7 <u>economic use of information technology in the State agencies.</u>
- 8 (4) Develop and promote training programs to efficiently
- 9 implement, use and manage information technology resources
- 10 <u>throughout State government.</u>
- 11 (b) Confidentiality. -- No data of a confidential nature shall
- 12 <u>be entered into or processed through an information technology</u>
- 13 system or network established under this chapter until
- 14 <u>appropriate safeguards and other security measures are approved</u>
- 15 by the director and installed and fully operational.
- 16 (c) Cost sharing. -- Notwithstanding any other provision of
- 17 law, the office shall provide information technology services on
- 18 a cost-sharing basis to:
- 19 (1) An independent department as requested by the head
- of the independent department.
- 21 (2) The General Assembly and its agencies as requested
- 22 by the President pro tempore of the Senate and the Speaker of
- the House of Representatives.
- 24 (3) The judicial branch as requested by the Chief
- 25 <u>Justice.</u>
- 26 (d) Estimates and actual expenditures. -- Each State agency
- 27 <u>shall furnish to the director upon request and on forms</u>
- 28 prescribed:
- 29 (1) estimates of all information technology goods and
- 30 <u>services needed and required by the State agency; and</u>

1	(2) actual expenditures for all information technology
2	goods and services needed and required by the State agency
3	for the periods after the expenditures have been made.
4	§ 4334. Communications services.
5	The director shall exercise authority for telecommunications
6	and other communications included in information technology
7	relating to the internal management and operations of a State
8	agency. In discharging this responsibility, the director shall:
9	(1) Provide for the establishment, management and
10	operation, through State ownership, by contract or through
11	commercial leasing, of the following systems and services as
12	they affect the internal management and operation of State
13	agencies:
14	(i) Central telephone systems and telephone
15	networks, including Voice over Internet Protocol and
16	commercial mobile radio systems.
17	(ii) Satellite services.
18	(iii) Closed-circuit television systems.
19	(iv) Two-way radio systems.
20	(v) Microwave systems.
21	(vi) Related systems based on telecommunication
22	technologies.
23	(vii) Broadband.
24	(2) Coordinate the development of cost-sharing systems
25	for respective State agencies for their proportionate parts
26	of the cost of maintenance and operation of the systems and
27	services listed in this section.
28	(3) Assist in the development of coordinated
29	telecommunications services or systems within and among all
30	State agencies and recommend, where appropriate, cooperative

1	utilization of telecommunication facilities by aggregating
2	users.
3	(4) Perform traffic analysis and engineering for all
4	telecommunications services and systems listed in this
5	section.
6	(5) Establish telecommunications specifications and
7	designs so as to promote and support compatibility of the
8	systems within State agencies.
9	(6) Provide every three years an inventory of
10	telecommunications costs, facilities, systems and personnel
11	within State agencies.
12	(7) Promote, coordinate and assist in the design and
13	engineering of emergency telecommunications systems,
14	including, but not limited to, the 911 emergency telephone
15	number program, emergency medical services, and other
16	emergency telecommunications services.
17	(8) Perform frequency coordination and management for
18	State agencies and municipalities, including all public
19	safety radio service frequencies, in accordance with the
20	rules and regulations of the Federal Communications
21	Commission or any successor Federal agency.
22	(9) Advise all State agencies on telecommunications
23	management planning and related matters and provide
24	opportunities for training to users within State agencies in
25	telecommunications technology and systems.
26	(10) Assist and coordinate the development of policies
27	and long-range plans, consistent with the protection of
28	residents' rights to privacy and access to information, for
29	the acquisition and use of telecommunications systems. All
30	policies and plans shall be based on current information

- about the Commonwealth's telecommunications activities in
- 2 <u>relation to the full range of emerging technologies.</u>
- 3 § 4335. Project approval standards.
- 4 (a) Review and approval. -- The director shall review all
- 5 proposed information technology projects for each State agency.
- 6 Project approval may be granted upon the director's
- 7 <u>determination that:</u>
- 8 (1) the project conforms to project management
- 9 procedures and policies and to procurement rules and
- 10 policies; and
- 11 (2) sufficient funds are available for implementation.
- 12 (b) Implementation. -- Unless expressly exempt within this
- 13 chapter, no State agency shall proceed with an information
- 14 technology project until the director approves the project.
- 15 (c) Disapproval. -- If a project is not approved, the director
- 16 shall specify in writing the grounds for the disapproval no
- 17 later than 15 business days after making the determination. The
- 18 director shall provide notice of the disapproval, along with the
- 19 grounds for the disapproval, to all of the following:
- 20 <u>(1) The State agency.</u>
- 21 (2) The Secretary of the Budget.
- 22 (3) The Independent Fiscal Office.
- 23 (4) The General Assembly.
- 24 (d) Suspension.--
- 25 (1) The director may suspend an information technology
- 26 project if the project:
- 27 (i) fails to meet the applicable quality assurance
- 28 standards;
- 29 (ii) has exceeded its projected costs; or
- 30 (iii) has failed to meet its projected completion

1	<u>date.</u>
2	(2) If the director suspends a project for a reason
3	under paragraph (1), the director shall specify in writing
4	the grounds for suspending the project no later than five
5	business days after making the determination. The director
6	shall provide notice of the suspension, along with the
7	grounds for suspension, to all of the following:
8	(i) The State agency.
9	(ii) The Independent Fiscal Office.
10	(iii) The Auditor General.
11	(iv) The Secretary of the Budget.
12	(v) The State Treasurer.
13	(vi) The General Assembly.
14	(3) After a project has been suspended, the State
15	Treasurer may not allow the transfer of money from the State
16	agency to further implement the project unless the director
17	approves an amended version of the plan for the project.
18	(4) If a State agency attempts to continue to implement
19	a project that is no longer approved by the director and
20	expend additional money for the project, the State Treasurer
21	shall prevent the transfer of funds and remit the intended
22	expenditures into the fund. After remitting the unauthorized
23	expenditure, the State Treasurer shall immediately notify the
24	<pre>following:</pre>
25	(i) The director.
26	(ii) The Governor.
27	(iii) The Secretary of the Budget.
28	(iv) The General Assembly.
29	(e) Quality assurance Information technology projects
30	authorized under this chapter shall meet all project standards

- 1 and requirements established under this chapter.
- 2 (f) Performance contracting. -- All contracts between a State
- 3 agency and a private party for information technology projects
- 4 <u>shall include provisions for vendor performance review and</u>
- 5 <u>accountability</u>, contract suspension or termination and
- 6 <u>termination of funding.</u>
- 7 (q) Contract provisions. --
- 8 (1) The director may require the following contract
- 9 <u>provisions:</u>
- (i) A performance bond.
- 11 <u>(ii) Monetary penalties.</u>
- 12 <u>(iii) Other performance assurance measures for</u>
- projects that are not completed within the specified time
- 14 period or that involve costs in excess of those specified
- in the contract.
- 16 (2) Notwithstanding the provisions under paragraph (1)
- 17 which are included in the contract, the director shall have
- 18 the authority to suspend the project that is the basis of the
- 19 contract.
- 20 (h) Cost savings. -- The director may utilize cost savings
- 21 realized on government vendor partnerships as performance
- 22 incentives for an information technology vendor.
- 23 (i) Use of experts.--
- (1) Notwithstanding any other provision of this chapter
- 25 to the contrary, the director may require a State agency to
- 26 engage the services of private counsel or other experts with
- 27 <u>information technology and intellectual property expertise on</u>
- a particular subject matter if the State agency is developing
- and implementing an information technology project with a
- total cost of ownership in excess of \$5,000,000.

<pre>2 other expert under paragraph (1) may: 3</pre>	
4 bids.	for_
	
5 (ii) Review and provide advice and assistance d	luring
6 the evaluation of proposals or bids and selection of	:
7 <u>contractors.</u>	
8 (iii) Review and negotiate contracts associated	with
9 <u>the development, implementation, operation and</u>	
maintenance of the project.	
(3) At the director's discretion, the requirement u	nder
2 paragraph (1) may also apply to information technology	
grograms that are separated into individual projects, if	the_
total cost of ownership for the overall program exceeds	-
\$5,000,000.	
6 <u>§ 4336. Project management standards.</u>	
(a) PersonnelEach State agency shall provide personn	el if
8 necessary to participate in project management, implementat	ion,
9 testing and other activities for an information technology	
20 <u>project.</u>	
(b) Policies The director shall develop office polici	es_
22 for implementing an approved project, whether the project i	S
23 <u>undertaken in single or multiple phases or components.</u>	
(c) Project management assistant	
(1) The director may designate a project management	<u></u>
assistant to implement an information technology project	of a
State agency.	
(2) A project management assistant for a State agen	су
29 <u>shall:</u>	
(i) Advise the State agency regarding the initi	al_

Т	praiming of an information technology project, the
2	content and design of a request for proposals, contract
3	development, procurement and architectural and other
4	technical reviews.
5	(ii) Monitor progress in the development and
6	implementation of an information technology project.
7	(iii) Provide status reports to the State agency and
8	the director, including recommendations regarding
9	continued approval of an information technology project.
10	(3) Personnel of the State agency to which a project
11	management assistant is designated shall provide periodic
12	reports to the project management assistant regarding an
13	information technology project. Each report shall include
14	information regarding the following:
15	(i) The State agency's business requirements.
16	(ii) Applicable laws and regulations.
17	(iii) Project costs.
18	(iv) Issues related to hardware, software or
19	training.
20	(v) Projected and actual completion dates for the
21	project.
22	(vi) Any other information related to the
23	implementation of the project.
24	§ 4337. Dispute resolution.
25	(a) Right to request for review If the director has
26	disapproved or suspended an information technology project or
27	has disapproved a State agency's request for an amended version
28	of the plan for the project, the affected State agency may
29	request the director to revisit the determination about the
30	project. The request for review shall be submitted in writing to

- 1 the director within 15 business days following the State
- 2 <u>agency's receipt of the disapproval or suspension.</u>
- 3 (b) Contents of request for review.--A request for review
- 4 <u>under subsection (a) shall specify the grounds for the State</u>
- 5 <u>agency's disagreement with the director's determination. The</u>
- 6 State agency shall include with its request a plan to modify the
- 7 project to meet the director's concerns.
- 8 <u>(c) Notification.--</u>
- 9 <u>(1) Within 30 days after initial receipt of a State</u>
- 10 <u>agency's request for review, the director shall notify the</u>
- 11 State agency whether or not the project, as modified, may be
- 12 <u>implemented.</u>
- 13 (2) If the director approves the implementation of a
- 14 <u>modified project by a State agency, the director shall notify</u>
- the State Treasurer and the Secretary of the Budget
- immediately.
- 17 § 4338. Procurement of information technology.
- 18 (a) General duty of office. -- Notwithstanding any other
- 19 provision of law, the office shall procure all information
- 20 technology for State agencies utilizing the processes under 62
- 21 Pa.C.S. Ch. 5 (relating to source selection and contract
- 22 formation). The office shall integrate technological review,
- 23 cost analysis and procurement for all information technology
- 24 needs of State agencies to make procurement and implementation
- 25 of technology more responsive, efficient and cost-effective.
- 26 (b) Specific duties of office. -- Subject to the provisions of
- 27 this chapter and consistent with the processes enacted under 62
- 28 Pa.C.S. Ch. 5, the office shall have the authority and
- 29 <u>responsibility to:</u>
- 30 (1) Purchase or contract for all information technology

1	for State agencies.
2	(2) Establish processes, specifications and standards
3	which shall apply to all information technology to be
4	purchased, licensed or leased by State agencies.
5	(3) Establish processes, specifications and standards
6	relating to information technology services contract
7	requirements for State agencies.
8	(4) Utilize the purchasing benchmarks established by the
9	director.
10	(5) Provide strategic sourcing resources and planning to
11	compile and consolidate all estimates of information
12	technology goods and services needed and required by State
13	agencies.
14	(6) Reduce the size of information technology projects
15	to ensure that the projects are manageable and meet initial
16	estimates for project costs and completion dates.
17	(7) Ensure that projects utilize problem-based
18	procurement. As used in this paragraph, the term "problem-
19	based procurement" means a request for bids by a State agency
20	for an information technology project which details the
21	information technology needs of the State agency and solicits
22	proposals by bidders regarding how to best meet those needs.
23	(c) Confidentiality
24	(1) Subject to paragraph (2), contract information
25	compiled by the office shall be made a matter of public
26	record after the award of contract.
27	(2) Trade secrets, test data and similar proprietary
28	information and security information protected from

- 28 <u>information and security information protected from</u>
 29 <u>disclosure under Federal or State law shall remain</u>
- 30 <u>confidential</u>.

1	(d) Electronic procurement The office may authorize the
2	use of an electronic procurement system to conduct a reverse
3	auction and electronic bidding. The following apply:
4	(1) The vendor's price may be revealed during the
5	reverse auction.
6	(2) The office may contract with a third-party vendor to
7	conduct the reverse auction.
8	(3) Offers or bids may be accepted and contracts may be
9	entered by use of electronic bidding.
10	(4) All requirements relating to formal and competitive
11	bids, including advertisement, seal and signature, are
12	satisfied when a procurement is conducted or a contract is
13	entered in compliance with the reverse auction or electronic
14	bidding requirements established by the office.
15	(e) Bulk purchasing
16	(1) The director shall establish procedures for the
17	procurement of information technology through bulk purchases.
18	The procedures may include the following:
19	(i) The aggregation of hardware purchases.
20	(ii) The use of formal bid procedures.
21	(iii) Restrictions on supplemental staffing.
22	(iv) Enterprise software licensing, hosting and
23	multiyear maintenance agreements.
24	(2) The director may require State agencies to submit
25	information technology procurement requests to the department
26	on October 1, January 1 and June 1, or another regularly
27	occurring schedule, of each fiscal year in order to allow for
28	bulk purchasing.
29	(f) Most advantageous offer All bids or offers to
30	contract, whether through competitive sealed bidding or other

- 1 procurement method under 62 Pa.C.S. Ch. 5, shall be subject to
- 2 evaluation and selection by acceptance of the most advantageous
- 3 offer to the Commonwealth.
- 4 (g) Considerations. -- Evaluation of an information technology
- 5 purchase shall take into consideration the following factors:
- 6 (1) The best value of the purchase.
- 7 (2) Compliance with information technology project
- 8 <u>management policies.</u>
- 9 (3) Compliance with information technology security
- 10 <u>standards and policies.</u>
- 11 (4) Substantial conformity with the specifications and
- 12 other conditions set forth in the solicitation.
- (h) Exceptions. -- In addition to permitted waivers of
- 14 competition, the requirements of competitive bidding shall not
- 15 apply to information technology contracts and procurements:
- 16 (1) in the case of a pressing need or an emergency
- arising from an information technology security incident; or
- 18 (2) in the use of master licensing or purchasing
- 19 agreements governing the office's acquisition of proprietary
- 20 intellectual property.
- 21 (i) Award by director. -- The director may award a cost plus
- 22 percentage of cost contract for information technology projects.
- 23 As needed, the director shall report the cost plus percentage of
- 24 cost contract to the following:
- 25 <u>(1) The Secretary of the Budget.</u>
- 26 (2) The Auditor General.
- 27 <u>(3) The General Assembly.</u>
- 28 § 4339. Contractor verification.
- 29 <u>(a) General rule.--A contract for professional or technical</u>
- 30 services in which the cost to the Commonwealth exceeds \$100,000

- 1 shall require a contractor working with a State agency on a
- 2 project to use software that verifies that the hours billed on a
- 3 contract with the State agency are valid and fulfill the purpose
- 4 of the contract.
- 5 (b) Contract specifications. -- A contract shall specify that
- 6 <u>a State agency may not pay for hours worked on a project that</u>
- 7 <u>are performed on a computer unless the hours can be verified</u>
- 8 through the use of the software or data collected by the
- 9 <u>software.</u>
- 10 (c) Software requirements. -- The software incorporated by a
- 11 <u>contractor to meet the requirements of this section shall:</u>
- 12 (1) Permit the State agency or an auditor of the State
- 13 <u>agency to have real-time or retroactive access to data</u>
- 14 <u>collected by the software.</u>
- 15 (2) Automatically capture a screenshot of activity as
- 16 follows:
- (i) The software shall capture a screenshot at least
- 18 <u>once every three minutes.</u>
- 19 (ii) A screenshot shall be made available for review
- 20 by the State agency or an auditor of the State agency in
- 21 real-time and retroactively.
- 22 (iii) Track total keystroke and mouse event
- 23 <u>frequency.</u>
- 24 (iv) Be procured by the contractor from an
- independent entity.
- 26 (3) Provide the State agency or an auditor of the State
- 27 <u>agency an automated real-time cost status of each task</u>
- 28 relating to the contract.
- 29 (4) Provide the State agency professional biographical
- 30 information that is not private or confidential on

- 1 individuals performing tasks under the contract.
- 2 (5) Protect all data that is private or confidential on
- 3 <u>individuals consistent with Pennsylvania law.</u>
- 4 (6) Permit the State agency to provide immediate
- 5 <u>feedback to the contractor on work in progress under the</u>
- 6 <u>contract.</u>
- 7 (d) Data storage. -- The contractor shall store, or contract
- 8 to store, the data collected by the software required under this
- 9 <u>section for a period of no less than seven years after the State</u>
- 10 agency has remitted payment to the contractor for work under the
- 11 <u>contract.</u>
- 12 (e) Requests for data. -- Data collected by the software
- 13 <u>during the contract period shall not be considered government</u>
- 14 data and the contractor shall retrieve the data upon request of
- 15 the State agency, in the format requested by the State agency,
- 16 at any time during the seven-year period.
- 17 (f) Charge prohibited. -- The contractor may not charge the
- 18 State agency or an auditor of the State agency for access to or
- 19 <u>use of the software or for access to or retrievals of data</u>
- 20 collected by the software.
- 21 § 4340. Review and approval of contracts.
- 22 (a) Submittal to director. -- When the dollar value of a
- 23 proposed contract for the procurement of information technology
- 24 equipment, materials or supplies exceeds the benchmark
- 25 established under this chapter or by the director, a State
- 26 agency shall submit the proposed contract to the director for
- 27 <u>review and approval or other action deemed appropriate by the</u>
- 28 director.
- 29 <u>(b) Considerations.--The director shall determine whether</u>
- 30 the proposed contract under subsection (a) ensures compliance

- 1 with the established processes, specifications and standards
- 2 applicable to the information technology purchased, licensed or
- 3 leased in this Commonwealth, including established procurement
- 4 processes.
- 5 (c) Determination. -- The director shall promptly notify the
- 6 State agency of the determination regarding the proposed
- 7 contract under subsection (a).
- 8 (d) Notification. -- For contract awards greater than
- 9 \$100,000, the director shall provide updates on an annual basis
- 10 to the General Assembly.
- 11 § 4341. Purchase of certain equipment prohibited.
- 12 (a) Determination. -- A State agency may not purchase
- 13 information technology equipment or televisions, or enter into a
- 14 contract with any manufacturer, unless the director determines
- 15 that the purchase or contract is in compliance with the
- 16 requirements under this chapter and existing State law regarding
- 17 the procurement of information technology equipment and
- 18 <u>televisions</u>.
- 19 (b) Findings.--If the director determines that a purchase or
- 20 contract is not in compliance with the requirements under this
- 21 chapter or existing State law regarding the procurement of
- 22 information technology equipment and televisions, the director
- 23 shall issue written findings regarding the noncompliance to the
- 24 State agency.
- 25 § 4342. Refurbished computer equipment purchasing program.
- 26 (a) Option. -- The office shall offer a State agency the
- 27 <u>option of purchasing refurbished computer equipment from</u>
- 28 registered computer equipment refurbishers whenever most
- 29 appropriate to meet the respective needs of the State agency.
- 30 (b) Savings. -- A State agency shall document any savings

- 1 resulting from the purchase of refurbished computer equipment,
- 2 <u>including</u>, but not limited to, the initial acquisition cost and
- 3 operations and maintenance costs. The savings shall be reported
- 4 <u>annually to:</u>
- 5 (1) The director.
- 6 (2) The General Assembly.
- 7 (c) Requirements. -- Participating computer equipment
- 8 <u>refurbishers shall meet all existing procurement requirements</u>
- 9 <u>established by the office.</u>
- 10 § 4343. Data on reliability and other matters.
- 11 (a) Maintenance of data. -- The office shall maintain data on
- 12 equipment reliability, potential cost savings and matters
- 13 <u>associated with the refurbished computer equipment purchasing</u>
- 14 program.
- 15 (b) Report. -- The office shall transmit a report regarding
- 16 the matters under subsection (a) by February 1, 2018, and
- 17 quarterly thereafter to:
- 18 <u>(1) The General Assembly.</u>
- 19 (2) The Independent Fiscal Office.
- 20 (3) The Secretary of the Budget.
- 21 SUBCHAPTER D
- 22 SECURITY
- 23 Sec.
- 24 4351. Statewide security standards.
- 25 4352. Security standards and risk assessments.
- 26 4353. Assessment of compliance with security standards.
- 27 4354. Joint Cybersecurity Oversight Committee.
- 28 § 4351. Statewide security standards.
- 29 (a) Establishment.--
- 30 (1) The director shall establish a Statewide set of

- 1 <u>standards for information technology security to maximize the</u>
- 2 <u>functionality</u>, <u>security</u> and <u>interoperability</u> of the
- 3 <u>Commonwealth's distributed information technology assets,</u>
- 4 <u>including:</u>
- 5 <u>(i) Data classification.</u>
- 6 <u>(ii) Management.</u>
- 7 (iii) Communications.
- 8 <u>(iv) Encryption technologies.</u>
- 9 (2) The standards under this subsection shall conform to
- the industry's best practices and standards regarding
- information technology security.
- 12 (b) Review and revision. -- The director shall review and
- 13 revise the security standards annually as necessary. As part of
- 14 this function, the director shall review periodically existing
- 15 security standards and practices in place among the various
- 16 State agencies to determine whether those standards and
- 17 practices meet Statewide security and encryption requirements.
- 18 <u>(c) Assumption of responsibilities.--The director may assume</u>
- 19 the direct responsibility of providing for the information
- 20 technology security of a State agency that fails to adhere to
- 21 security standards adopted under this chapter.
- 22 § 4352. Security standards and risk assessments.
- 23 (a) Standards.--Notwithstanding any other provision of law
- 24 and except as otherwise provided by this chapter, all
- 25 information technology security goods, software or services
- 26 purchased using taxpayer money, or for use by a State agency or
- 27 <u>in a public facility, shall be subject to approval by the</u>
- 28 director in accordance with security standards under this
- 29 <u>chapter</u>.
- 30 (b) Assessments. -- The director shall conduct risk

- 1 assessments to identify compliance and operational and strategic
- 2 risks to the information technology network. The following shall
- 3 <u>apply:</u>
- 4 (1) The assessments may include methods such as
- 5 penetration testing or similar assessment methodologies.
- 6 (2) The director may contract with another party to
- 7 perform the assessments.
- 8 <u>(3) Detailed reports of the risk and security issues</u>
- 9 <u>identified in the assessments shall be kept confidential.</u>
- 10 (c) Security audit. -- The director shall contract with a
- 11 Federal Government entity or a third party that is nationally
- 12 recognized to perform a security audit of a State agency's
- 13 information technology system. The following shall apply:
- 14 <u>(1) The director shall determine a schedule for State</u>
- 15 agency security audits.
- 16 (2) The audit of a State agency shall be paid from
- encumbered funds of the State agency.
- 18 (d) Notification and approval. -- Before a State agency may
- 19 enter into a contract with another party for an assessment of
- 20 network vulnerability, the State agency shall notify the
- 21 director and obtain approval of the request. The following shall
- 22 apply:
- 23 (1) The party conducting the assessment shall provide
- 24 the State agency with a detailed report of the security
- 25 issues identified, which shall not be publicly disclosed.
- 26 (2) The State agency shall provide the director with
- 27 <u>copies of the detailed report under paragraph (1), which</u>
- shall not be publicly disclosed.
- 29 (3) The State agency shall issue a public report on the
- 30 general results of the assessment.

- 1 (e) Effect of section. -- Nothing in this section shall be
- 2 construed to preclude the Auditor General or the General
- 3 Assembly from assessing the security practices of State
- 4 <u>information technology systems as part of its statutory duties</u>
- 5 <u>and responsibilities.</u>
- 6 § 4353. Assessment of compliance with security standards.
- 7 (a) Frequency. -- The director shall biannually assess the
- 8 <u>ability of each State agency and each State agency's contracted</u>
- 9 <u>vendors to comply with the current security standards</u>
- 10 established under this chapter.
- 11 (b) Contents. -- The assessment under this section shall
- 12 include, at a minimum, the following:
- 13 (1) The rate of compliance with the current security
- 14 standards.
- 15 (2) An assessment of security organization, security
- 16 <u>practices, security information standards, network security</u>
- 17 architecture and current expenditures of State funds for
- information technology security.
- 19 (3) An estimate of the cost to implement the security
- 20 measures needed for State agencies to fully comply with the
- 21 established standards.
- 22 (c) Submittal of information. -- Each State agency shall
- 23 submit information required by the director for the assessments
- 24 under this section.
- 25 § 4354. Joint Cybersecurity Oversight Committee.
- 26 (a) Establishment and membership. -- The Joint Cybersecurity
- 27 Oversight Committee is established and shall consist of the
- 28 following members:
- 29 (1) The director.
- 30 (2) The following individuals appointed by the President

1	<u>pro tempore of the Senate:</u>
2	(i) Three members of the Senate.
3	(ii) A representative from the information
4	technology office of the majority caucus of the Senate.
5	(3) The following individuals appointed by the Minority
6	<u>Leader of the Senate:</u>
7	(i) Two members of the Senate.
8	(ii) A representative from the information
9	technology office of the minority caucus of the Senate.
10	(4) The following individuals appointed by the Speaker
11	of the House of Representatives:
12	(i) Three members of the House of Representatives.
13	(ii) A representative from the information
14	technology office of the majority caucus of the House of
15	Representatives.
16	(5) The following individuals appointed by the Minority
17	Leader of the House of Representatives:
18	(i) Two members of the House of Representatives.
19	(ii) A representative from the information
20	technology office of the minority caucus of the House of
21	Representatives.
22	(6) The Attorney General or a designee of the Attorney
23	<pre>General.</pre>
24	(7) The chief information officer of:
25	(i) The Department of the Auditor General.
26	(ii) The Treasury Department.
27	(iii) The Office of Attorney General.
28	(iv) The Administrative Office of Pennsylvania
29	Courts.
30	(v) The Pennsylvania Public Utility Commission.

- 1 (8) Four private citizens appointed by the Governor with
- 2 <u>professional cyber security experience.</u>
- 3 (9) The Commissioner of the Pennsylvania State Police or
- 4 <u>a designee of the commissioner.</u>
- 5 (b) Chairperson and vice chairperson. -- The chairperson of
- 6 the committee shall be appointed by the Governor and the vice
- 7 chairperson of the committee shall be appointed by the
- 8 chairperson.
- 9 (c) Staffing. -- The committee shall be staffed by the office,
- 10 which shall support and assist the committee.
- 11 (d) Service of members.--Each member of the committee shall
- 12 <u>serve at the pleasure of the individual who appointed the</u>
- 13 <u>member.</u>
- 14 (e) Vacancies. -- A vacancy in the membership of the committee
- 15 shall be filled by the appointing authority in the same manner
- 16 <u>as the original appointment.</u>
- 17 (f) Meetings.--
- 18 (1) The committee shall meet at least on a quarterly
- 19 basis and no later than the first Thursday of each quarter.
- 20 (2) The chairperson of the committee, with the consent
- 21 of the vice chairperson of the committee, may schedule
- 22 additional meetings of the committee.
- 23 (3) The chairperson of the committee shall provide the
- 24 members of the committee with notice of the time and location
- of each meeting of the committee no later than one week prior
- to the meeting. Notice shall also be provided to the
- Governor, the President pro tempore of the Senate and the
- 28 Speaker of the House of Representatives.
- 29 <u>(4) Notice of the meetings of the committee shall be</u>
- 30 provided by regular mail and e-mail.

- 1 (5) A member of the committee may participate in a
- 2 meeting of the committee in person, by teleconference, by
- 3 <u>video conference or by other means as agreed to by the</u>
- 4 <u>chairperson and vice chairperson of the committee.</u>
- 5 (6) A meeting of the committee shall not be subject to
- 6 65 Pa.C.S. Ch. 7 (relating to open meetings).
- 7 (g) Duties. -- The committee shall review and coordinate
- 8 cybersecurity policies and discuss emerging cybersecurity
- 9 threats, recommended policy changes and assess current
- 10 cybersecurity within this Commonwealth. The report shall be
- 11 transmitted to:
- 12 (1) The Governor.
- 13 (2) The President pro tempore of the Senate.
- 14 (3) The Speaker of the House of Representatives.
- 15 (4) The Majority Leader and the Minority Leader of the
- 16 Senate.
- 17 (5) The Majority Leader and the Minority Leader of the
- 18 House of Representatives.
- 19 (6) The Court Administrator of Pennsylvania.
- 20 (h) Definitions. -- As used in this section, the following
- 21 words and phrases shall have the meanings given to them in this
- 22 subsection unless the context clearly indicates otherwise:
- 23 "Committee." The Joint Cybersecurity Oversight Committee
- 24 established under this section.
- 25 SUBCHAPTER E
- 26 ENFORCEMENT AND PENALTIES
- 27 Sec.
- 28 4361. Administrative and judicial review.
- 29 <u>4362</u>. <u>Unauthorized use for private benefit prohibited</u>.
- 30 4363. Financial interests.

- 1 4364. Certification of submittal without collusion.
- 2 § 4361. Administrative and judicial review.
- 3 Actions taken by the director under this chapter shall be
- 4 <u>subject to review in accordance with 2 Pa.C.S. Chs. 5 (relating</u>
- 5 to practice and procedure) and 7 (relating to judicial review).
- 6 § 4362. Unauthorized use for private benefit prohibited.
- 7 (a) Offense. -- It is unlawful for any person, by the use of
- 8 the powers, policies or procedures, to purchase, attempt to
- 9 purchase, procure or attempt to procure any property or services
- 10 for private use or benefit.
- 11 (b) Criminal penalties and fines. -- A person that violates
- 12 <u>subsection (a) commits a misdemeanor of the first degree. Upon</u>
- 13 <u>conviction</u>, the person shall be liable to the Commonwealth to
- 14 repay any amount expended in violation of this chapter, together
- 15 with any court costs.
- 16 § 4363. Financial interests.
- 17 (a) Offense.--
- 18 (1) The director and any other policymaking employee of
- 19 the office may not have a financial interest or personal
- 20 beneficial interest, either directly or indirectly, in the
- 21 purchase of or contract for information technology. The
- 22 financial interest or personal interest shall extend to a
- 23 <u>corporation, partnership, company, trust, association or</u>
- 24 other entity furnishing information technology to the
- 25 Commonwealth or any of its State agencies.
- 26 (2) Consistent with paragraph (1), the director or other
- 27 <u>policymaking employee may not accept or receive, directly or</u>
- indirectly, any of the following:
- 29 (i) Anything of monetary or other value, whether by
- 30 rebate, gift or otherwise.

- 1 (ii) A promise, obligation or contract for future
- 2 reward or compensation, regardless of the business or
- 3 <u>nonbusiness nature of the promise, obligation or</u>
- 4 <u>contract.</u>
- 5 (b) Criminal penalties. -- A person that violates subsection
- 6 (a) commits a felony of the third degree. Upon conviction, the
- 7 person shall be removed from office or State employment.
- 8 <u>§ 4364. Certification of submittal without collusion.</u>
- 9 (a) Duty. -- The director shall require bidders under this
- 10 chapter to certify that each bid on information technology
- 11 contracts overseen by the office is submitted competitively and
- 12 <u>without collusion</u>.
- 13 (b) Grading. -- A person that provides a false certification
- 14 under this section commits a misdemeanor of the first degree.
- 15 Section 2. This act shall take effect immediately.