

By: Capriglione, Elkins, Parker, Dale, Dean,  
et al.

H.B. No. 8

Substitute the following for H.B. No. 8:

By: Shaheen

C.S.H.B. No. 8

A BILL TO BE ENTITLED

AN ACT

relating to cybersecurity for state agency information resources.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF TEXAS:

SECTION 1. This Act may be cited as the Texas Cybersecurity Act.

SECTION 2. Section 325.011, Government Code, is amended to read as follows:

Sec. 325.011. CRITERIA FOR REVIEW. The commission and its staff shall consider the following criteria in determining whether a public need exists for the continuation of a state agency or its advisory committees or for the performance of the functions of the agency or its advisory committees:

(1) the efficiency and effectiveness with which the agency or the advisory committee operates;

(2)(A) an identification of the mission, goals, and objectives intended for the agency or advisory committee and of the problem or need that the agency or advisory committee was intended to address; and

(B) the extent to which the mission, goals, and objectives have been achieved and the problem or need has been addressed;

(3)(A) an identification of any activities of the agency in addition to those granted by statute and of the authority for those activities; and

1 (B) the extent to which those activities are  
2 needed;

3 (4) an assessment of authority of the agency relating  
4 to fees, inspections, enforcement, and penalties;

5 (5) whether less restrictive or alternative methods of  
6 performing any function that the agency performs could adequately  
7 protect or provide service to the public;

8 (6) the extent to which the jurisdiction of the agency  
9 and the programs administered by the agency overlap or duplicate  
10 those of other agencies, the extent to which the agency coordinates  
11 with those agencies, and the extent to which the programs  
12 administered by the agency can be consolidated with the programs of  
13 other state agencies;

14 (7) the promptness and effectiveness with which the  
15 agency addresses complaints concerning entities or other persons  
16 affected by the agency, including an assessment of the agency's  
17 administrative hearings process;

18 (8) an assessment of the agency's rulemaking process  
19 and the extent to which the agency has encouraged participation by  
20 the public in making its rules and decisions and the extent to which  
21 the public participation has resulted in rules that benefit the  
22 public;

23 (9) the extent to which the agency has complied with:

24 (A) federal and state laws and applicable rules  
25 regarding equality of employment opportunity and the rights and  
26 privacy of individuals; and

27 (B) state law and applicable rules of any state

1 agency regarding purchasing guidelines and programs for  
2 historically underutilized businesses;

3 (10) the extent to which the agency issues and  
4 enforces rules relating to potential conflicts of interest of its  
5 employees;

6 (11) the extent to which the agency complies with  
7 Chapters 551 and 552 and follows records management practices that  
8 enable the agency to respond efficiently to requests for public  
9 information;

10 (12) the effect of federal intervention or loss of  
11 federal funds if the agency is abolished; ~~and~~

12 (13) the extent to which the purpose and effectiveness  
13 of reporting requirements imposed on the agency justifies the  
14 continuation of the requirement; and

15 (14) an assessment of the agency's cybersecurity  
16 practices using information available from the Department of  
17 Information Resources or any other appropriate state agency.

18 SECTION 3. Subchapter A, Chapter 411, Government Code, is  
19 amended by adding Section 411.00431 to read as follows:

20 Sec. 411.00431. CYBERSECURITY RISKS AND INCIDENTS. (a)  
21 The department shall develop a plan to address cybersecurity risks  
22 and incidents in this state. The department may enter into an  
23 agreement with a national organization, including the National  
24 Cybersecurity Preparedness Consortium, to support the department's  
25 efforts in implementing the components of the plan for which the  
26 department lacks resources to address internally. The agreement  
27 may include provisions for:

1           (1) providing fee reimbursement for appropriate  
2 industry-recognized certification examinations for and training to  
3 state and local officials and first responders preparing for and  
4 responding to cybersecurity risks and incidents;

5           (2) developing and maintaining a cybersecurity risks  
6 and incidents curriculum using existing programs and models for  
7 training state and local officials and first responders;

8           (3) delivering to state agency personnel with access  
9 to state agency networks routine training related to appropriately  
10 protecting and maintaining information technology systems and  
11 devices, implementing cybersecurity best practices, and mitigating  
12 cybersecurity risks and vulnerabilities;

13           (4) providing technical assistance services to  
14 support preparedness for and response to cybersecurity risks and  
15 incidents;

16           (5) conducting cybersecurity training and simulation  
17 exercises for state agencies, political subdivisions, and private  
18 entities to encourage coordination in defending against and  
19 responding to cybersecurity risks and incidents;

20           (6) assisting state agencies and political  
21 subdivisions in developing cybersecurity information-sharing  
22 programs to disseminate information related to cybersecurity risks  
23 and incidents; and

24           (7) incorporating cybersecurity risk and incident  
25 prevention and response methods into existing state and local  
26 emergency plans, including continuity of operation plans and  
27 incident response plans.

1       (b) In implementing the provisions of the agreement  
2 prescribed by Subsection (a), the department shall seek to prevent  
3 unnecessary duplication of existing programs or efforts of the  
4 department or another state agency.

5       (c) In selecting an organization under Subsection (a), the  
6 department shall consider the organization's previous experience  
7 in conducting cybersecurity training and exercises for state  
8 agencies and political subdivisions.

9       (d) The department shall consult with institutions of  
10 higher education in this state when appropriate based on an  
11 institution's expertise in addressing specific cybersecurity risks  
12 and incidents.

13       SECTION 4. Subchapter B, Chapter 421, Government Code, is  
14 amended by adding Section 421.027 to read as follows:

15       Sec. 421.027. CYBER INCIDENT STUDY AND RESPONSE PLAN. (a)  
16 In this section:

17           (1) "Cyber incident" means an event occurring on or  
18 conducted through a computer network that actually or imminently  
19 jeopardizes the integrity, confidentiality, or availability of  
20 computers, information or communications systems or networks,  
21 physical or virtual infrastructure controlled by computers or  
22 information systems, or information on the computers or systems.  
23 The term includes a vulnerability in implementation or in an  
24 information system, system security procedure, or internal control  
25 that could be exploited by a threat source.

26           (2) "Significant cyber incident" means a cyber  
27 incident, or a group of related cyber incidents, likely to result in

1 demonstrable harm to state security interests, foreign relations,  
2 or the economy of this state or to the public confidence, civil  
3 liberties, or public health and safety of the residents of this  
4 state.

5 (b) The council, in cooperation with the Department of  
6 Information Resources, shall:

7 (1) conduct a study regarding cyber incidents and  
8 significant cyber incidents affecting state agencies and critical  
9 infrastructure that is owned, operated, or controlled by agencies;  
10 and

11 (2) develop a comprehensive state response plan to  
12 provide a format for each state agency to develop an  
13 agency-specific response plan and to implement the plan into the  
14 agency's information security plan required under Section [2054.133](#)  
15 to be implemented by the agency in the event of a cyber incident or  
16 significant cyber incident affecting the agency or critical  
17 infrastructure that is owned, operated, or controlled by the  
18 agency.

19 (c) Not later than September 1, 2018, the council shall  
20 deliver the response plan and a report on the findings of the study  
21 to:

22 (1) the public safety director of the Department of  
23 Public Safety;

24 (2) the governor;

25 (3) the lieutenant governor;

26 (4) the speaker of the house of representatives;

27 (5) the chair of the committee of the senate having

1 primary jurisdiction over homeland security matters; and

2 (6) the chair of the committee of the house of  
3 representatives having primary jurisdiction over homeland security  
4 matters.

5 (d) The response plan required by Subsection (b) and the  
6 report required by Subsection (c) are not public information for  
7 purposes of Chapter 552.

8 (e) This section expires December 1, 2018.

9 SECTION 5. Section 551.089, Government Code, is amended to  
10 read as follows:

11 Sec. 551.089. DELIBERATION REGARDING SECURITY DEVICES OR  
12 SECURITY AUDITS; CLOSED MEETING [~~DEPARTMENT OF INFORMATION~~  
13 ~~RESOURCES~~]. This chapter does not require a governmental body [~~the~~  
14 ~~governing board of the Department of Information Resources~~] to  
15 conduct an open meeting to deliberate:

16 (1) security assessments or deployments relating to  
17 information resources technology;

18 (2) network security information as described by  
19 Section 2059.055(b); or

20 (3) the deployment, or specific occasions for  
21 implementation, of security personnel, critical infrastructure, or  
22 security devices.

23 SECTION 6. The heading to Section 656.047, Government Code,  
24 is amended to read as follows:

25 Sec. 656.047. PAYMENT OF PROGRAM AND CERTIFICATION  
26 EXAMINATION EXPENSES.

27 SECTION 7. Section 656.047, Government Code, is amended by

1 adding Subsection (a-1) to read as follows:

2 (a-1) A state agency may spend public funds as appropriate  
3 to reimburse a state agency employee or administrator who serves in  
4 an information technology, cybersecurity, or other cyber-related  
5 position for fees associated with industry-recognized  
6 certification examinations.

7 SECTION 8. Subchapter C, Chapter 2054, Government Code, is  
8 amended by adding Sections 2054.0593 and 2054.0594 to read as  
9 follows:

10 Sec. 2054.0593. CYBERSECURITY TASK FORCE. (a) The  
11 department shall establish and lead a cybersecurity task force to  
12 engage members of the task force in policy discussions and educate  
13 state agencies on cybersecurity issues. The department shall  
14 determine the composition of the task force, which must include  
15 representatives of state agencies, including institutions of  
16 higher education, and may include other interested parties. In  
17 selecting representatives from institutions of higher education,  
18 the department shall consider selecting members of the Information  
19 Technology Council for Higher Education.

20 (b) The task force shall:

21 (1) consolidate and synthesize existing cybersecurity  
22 resources and best practices to assist state agencies in  
23 understanding and implementing cybersecurity measures that are  
24 most beneficial to this state;

25 (2) assess the knowledge, skills, and capabilities of  
26 the existing information technology and cybersecurity workforce to  
27 mitigate and respond to cyber threats and develop recommendations



1 for addressing immediate workforce deficiencies and ensuring a  
2 long-term pool of qualified applicants;

3 (3) develop reliable, clear, and concise guidelines on  
4 cyber threat detection and prevention, including best practices and  
5 remediation strategies for state agencies;

6 (4) develop state agency guidelines for easily  
7 replicated cybersecurity initiatives;

8 (5) provide opportunities for state agency technology  
9 leaders and members of the legislature to participate in programs  
10 and webinars on critical cybersecurity policy issues; and

11 (6) provide recommendations to the legislature on any  
12 needed legislation to implement cybersecurity best practices and  
13 remediation strategies for state agencies.

14 (c) The task force is abolished September 1, 2019, unless  
15 the department extends the task force until September 1, 2021.

16 (d) This section expires September 1, 2021.

17 Sec. 2054.0594. INFORMATION SHARING AND ANALYSIS CENTER.

18 (a) The department shall establish an information sharing and  
19 analysis center to provide a forum for state agencies to share  
20 information regarding cybersecurity threats, best practices, and  
21 remediation strategies.

22 (b) The department shall appoint persons from appropriate  
23 state agencies to serve as representatives to the information  
24 sharing and analysis center.

25 (b-1) Notwithstanding Subsection (b), the cybersecurity  
26 task force established under Section 2054.0593 shall appoint  
27 persons to serve as representatives to the information sharing and

1 analysis center until the task force is abolished as provided by  
2 that section. This subsection expires on the date Section  
3 2054.0593 expires.

4 (c) The department, using existing resources, shall provide  
5 administrative support to the information sharing and analysis  
6 center.

7 SECTION 9. Section 2054.076, Government Code, is amended by  
8 adding Subsection (b-1) to read as follows:

9 (b-1) The department shall provide mandatory guidelines to  
10 state agencies regarding the continuing education requirements for  
11 cybersecurity training and the industry-recognized certifications  
12 that must be completed by all information resources employees of  
13 the agencies. The department shall consult with the Information  
14 Technology Council for Higher Education on applying the guidelines  
15 to institutions of higher education.

16 SECTION 10. Sections 2054.077(b) and (e), Government Code,  
17 are amended to read as follows:

18 (b) The information resources manager of a state agency  
19 shall [~~may~~] prepare or have prepared a report, including an  
20 executive summary of the findings of the report, assessing the  
21 extent to which a computer, a computer program, a computer network,  
22 a computer system, a printer, an interface to a computer system,  
23 including mobile and peripheral devices, computer software, or data  
24 processing of the agency or of a contractor of the agency is  
25 vulnerable to unauthorized access or harm, including the extent to  
26 which the agency's or contractor's electronically stored  
27 information is vulnerable to alteration, damage, erasure, or

1 inappropriate use.

2 (e) Separate from the executive summary described by  
3 Subsection (b), a state agency [~~whose information resources manager~~  
4 ~~has prepared or has had prepared a vulnerability report~~] shall  
5 prepare a summary of the agency's vulnerability report that does  
6 not contain any information the release of which might compromise  
7 the security of the state agency's or state agency contractor's  
8 computers, computer programs, computer networks, computer systems,  
9 printers, interfaces to computer systems, including mobile and  
10 peripheral devices, computer software, data processing, or  
11 electronically stored information. The summary is available to  
12 the public on request.

13 SECTION 11. Section [2054.1125\(b\)](#), Government Code, is  
14 amended to read as follows:

15 (b) A state agency that owns, licenses, or maintains  
16 computerized data that includes sensitive personal information,  
17 confidential information, or information the disclosure of which is  
18 regulated by law shall, in the event of a breach or suspected breach  
19 of system security or an unauthorized exposure of that information:

20 (1) comply[~~, in the event of a breach of system~~  
21 ~~security,~~] with the notification requirements of Section [521.053](#),  
22 Business & Commerce Code, to the same extent as a person who  
23 conducts business in this state; and

24 (2) notify the department, including the chief  
25 information security officer and the state cybersecurity  
26 coordinator, not later than 48 hours after the discovery of the  
27 breach, suspected breach, or unauthorized exposure.

1 SECTION 12. Section 2054.133, Government Code, is amended  
2 by adding Subsections (b-1), (b-2), (b-3), and (b-4) to read as  
3 follows:

4 (b-1) The executive head and chief information security  
5 officer of each state agency shall annually review and approve in  
6 writing the agency's information security plan and strategies for  
7 addressing the agency's information resources systems that are at  
8 highest risk for security breaches. If a state agency does not have  
9 a chief information security officer, the highest ranking  
10 information security employee for the agency shall review and  
11 approve the plan and strategies. The executive head retains full  
12 responsibility for the agency's information security and any risks  
13 to that security.

14 (b-2) Before submitting to the Legislative Budget Board a  
15 legislative appropriation request for a state fiscal biennium, a  
16 state agency must file with the board the written approval required  
17 under Subsection (b-1) for each year of the current state fiscal  
18 biennium.

19 (b-3) Each state agency shall include in the agency's  
20 information security plan the actions the agency is taking to  
21 incorporate into the plan the core functions of "identify, protect,  
22 detect, respond, and recover" as recommended in the "Framework for  
23 Improving Critical Infrastructure Cybersecurity" of the United  
24 States Department of Commerce National Institute of Standards and  
25 Technology. The agency shall, at a minimum, identify any  
26 information the agency requires individuals to provide to the  
27 agency or the agency retains that is not necessary for the agency's

1 operations. The agency may incorporate the core functions over a  
2 period of years.

3 (b-4) A state agency's information security plan must  
4 include appropriate privacy and security standards that, at a  
5 minimum, require a vendor who offers cloud computing services or  
6 other software, applications, online services, or information  
7 technology solutions to any state agency to demonstrate that data  
8 provided by the state to the vendor will be maintained in compliance  
9 with all applicable state and federal laws and rules.

10 SECTION 13. Subchapter N-1, Chapter 2054, Government Code,  
11 is amended by adding Sections 2054.515, 2054.516, 2054.517, and  
12 2054.518 to read as follows:

13 Sec. 2054.515. INDEPENDENT RISK ASSESSMENT. (a) At least  
14 once every five years, in accordance with department rules, each  
15 state agency shall:

16 (1) contract with an independent third party selected  
17 from a list provided by the department to conduct an independent  
18 risk assessment of the agency's exposure to security risks in the  
19 agency's information resources systems and to conduct tests to  
20 practice securing systems and notifying all affected parties in the  
21 event of a data breach; and

22 (2) submit the results of the independent risk  
23 assessment to the department.

24 (b) The department annually shall compile the results of the  
25 independent risk assessments conducted in the preceding year and  
26 prepare:

27 (1) a public report on the general security issues

1 covered by the assessments that does not contain any information  
2 the release of which may compromise any state agency's information  
3 resources system; and

4 (2) a confidential report on specific risks and  
5 vulnerabilities that is exempt from disclosure under Chapter 552.

6 (c) The department annually shall submit to the legislature  
7 a comprehensive report on the results of the independent risk  
8 assessments conducted under Subsection (a) during the preceding  
9 year that includes the report prepared under Subsection (b)(1) and  
10 that identifies systematic or pervasive security risk  
11 vulnerabilities across state agencies and recommendations for  
12 addressing the vulnerabilities but does not contain any information  
13 the release of which may compromise any state agency's information  
14 resources system.

15 Sec. 2054.516. DATA SECURITY PLAN FOR ONLINE AND MOBILE  
16 APPLICATIONS. (a) Each state agency, other than an institution of  
17 higher education subject to Section 2054.517, implementing an  
18 Internet website or mobile application that processes any  
19 personally identifiable or confidential information must:

20 (1) submit a data security plan to the department  
21 during development and as early as feasible in the testing of the  
22 website or application and submit any modification to the plan made  
23 during development; and

24 (2) before deploying the website or application:

25 (A) subject the website or application to a  
26 vulnerability and penetration test conducted by an independent  
27 third party; and

1           (B) address any high priority vulnerability  
2 identified under Paragraph (A).

3           (b) The data security plan required under Subsection (a)(1)  
4 must include:

5           (1) data flow diagrams to show the location of  
6 information in use, in transit, and not in use;

7           (2) data storage locations;

8           (3) data interaction with online or mobile devices;

9           (4) security of data transfer;

10           (5) security measures for the online or mobile  
11 application;

12           (6) a description of any action taken by the agency to  
13 remediate any vulnerability identified by an independent third  
14 party under Subsection (a)(2); and

15           (7) appropriate privacy and security standards that,  
16 at a minimum, require a vendor who offers cloud computing services  
17 or other software, applications, online services, or information  
18 technology solutions to any state agency to demonstrate that data  
19 provided by the state to the vendor will be maintained in compliance  
20 with all applicable state and federal laws and rules.

21           (c) Unless a state agency has previously submitted a  
22 comprehensive security plan approved by the department and has  
23 sufficient personnel and technology to review plans internally, the  
24 department shall review each data security plan submitted under  
25 Subsection (a) and make any recommendations for changes to the plan  
26 to the state agency as soon as practicable after the department  
27 reviews the plan.

1       (d) A data security plan submitted under Subsection (a) and  
2 any recommendation for changes made under Subsection (c) are not  
3 public information for purposes of Chapter 552.

4       Sec. 2054.517. DATA SECURITY PROCEDURES FOR ONLINE AND  
5 MOBILE APPLICATIONS OF INSTITUTIONS OF HIGHER EDUCATION. (a) Each  
6 institution of higher education, as defined by Section 61.003,  
7 Education Code, shall adopt and implement a policy for Internet  
8 website and mobile application security procedures that complies  
9 with this section.

10       (b) Before deploying an Internet website or mobile  
11 application that processes confidential information for an  
12 institution of higher education, the developer of the website or  
13 application for the institution must submit to the institution's  
14 information security officer the information required under  
15 policies adopted by the institution to protect the privacy of  
16 individuals by preserving the confidentiality of information  
17 processed by the website or application. At a minimum, the  
18 institution's policies must require the developer to submit  
19 information describing:

- 20               (1) the architecture of the website or application;  
21               (2) the authentication mechanism for the website or  
22 application; and  
23               (3) the administrator level access to data included in  
24 the website or application.

25       (c) Before deploying an Internet website or mobile  
26 application described by Subsection (b), an institution of higher  
27 education must subject the website or application to a



1 vulnerability and penetration test conducted internally or by an  
2 independent third party.

3 (d) Each institution of higher education shall submit to the  
4 department the policies adopted as required by Subsection (b). The  
5 department shall review the policies and make recommendations for  
6 appropriate changes.

7 Sec. 2054.518. VENDOR RESPONSIBILITY FOR CYBERSECURITY. A  
8 vendor that contracts with this state to provide information  
9 resources technology or services for a state agency is responsible  
10 for providing to state agency contracting personnel:

11 (1) written acknowledgment of any known cybersecurity  
12 risks associated with the technology identified in the  
13 vulnerability and penetration test conducted under Section  
14 2054.516;

15 (2) proof that any individual servicing the contract  
16 holds the appropriate industry-recognized certifications as  
17 identified by the National Initiative for Cybersecurity Education;

18 (3) a strategy for mitigating any technology or  
19 personnel-related cybersecurity risk identified in the  
20 vulnerability and penetration test conducted under Section  
21 2054.516; and

22 (4) an initial summary of any costs associated with  
23 addressing or remediating the identified technology or  
24 personnel-related cybersecurity risks.

25 SECTION 14. Section 2054.575(a), Government Code, is  
26 amended to read as follows:

27 (a) A state agency shall, with available funds, identify

1 information security issues and develop a plan to prioritize the  
2 remediation and mitigation of those issues. The agency shall  
3 include in the plan:

4 (1) procedures for reducing the agency's level of  
5 exposure with regard to information that alone or in conjunction  
6 with other information identifies an individual maintained on a  
7 legacy system of the agency;

8 (2) the best value approach for modernizing,  
9 replacing, renewing, or disposing of a legacy system that maintains  
10 information critical to the agency's responsibilities;

11 (3) analysis of the percentage of state agency  
12 personnel in information technology, cybersecurity, or other  
13 cyber-related positions who currently hold the appropriate  
14 industry-recognized certifications as identified by the National  
15 Initiative for Cybersecurity Education;

16 (4) the level of preparedness of state agency cyber  
17 personnel and potential personnel who do not hold the appropriate  
18 industry-recognized certifications to successfully complete the  
19 industry-recognized certification examinations; and

20 (5) a strategy for mitigating any workforce-related  
21 discrepancy in information technology, cybersecurity, or other  
22 cyber-related positions with the appropriate training and  
23 industry-recognized certifications.

24 SECTION 15. Section 2059.055(b), Government Code, is  
25 amended to read as follows:

26 (b) Network security information is confidential under this  
27 section if the information is:

1 (1) related to passwords, personal identification  
2 numbers, access codes, encryption, or other components of the  
3 security system of a governmental entity [~~state agency~~];

4 (2) collected, assembled, or maintained by or for a  
5 governmental entity to prevent, detect, or investigate criminal  
6 activity; or

7 (3) related to an assessment, made by or for a  
8 governmental entity or maintained by a governmental entity, of the  
9 vulnerability of a network to criminal activity.

10 SECTION 16. Subtitle B, Title 10, Government Code, is  
11 amended by adding Chapter 2061 to read as follows:

12 CHAPTER 2061. INDIVIDUAL-IDENTIFYING INFORMATION

13 Sec. 2061.001. DEFINITIONS. In this chapter:

14 (1) "Cybersecurity risk" means a material threat of  
15 attack, damage, or unauthorized access to the networks, computers,  
16 software, or data storage of a state agency.

17 (2) "State agency" means a department, commission,  
18 board, office, council, authority, or other agency in the  
19 executive, legislative, or judicial branch of state government,  
20 including a university system or institution of higher education,  
21 as defined by Section 61.003, Education Code, that is created by the  
22 constitution or a statute of this state.

23 Sec. 2061.002. DESTRUCTION AUTHORIZED. (a) A state agency  
24 shall destroy or arrange for the destruction of information that  
25 presents a cybersecurity risk and alone or in conjunction with  
26 other information identifies an individual if the agency is not  
27 required to retain the information for a period of years under other

1 law or for other legal reasons.

2 (b) A state agency shall destroy or arrange for the  
3 destruction of information described by Subsection (a) in  
4 accordance with standards for destruction of data prescribed in the  
5 National Security Program Operating Manual, 1995 edition.

6 (c) This section does not apply to a record involving  
7 criminal activity or a criminal investigation retained for law  
8 enforcement purposes.

9 (d) Not later than September 1, 2019, each state agency  
10 shall develop the systems and policies necessary to comply with  
11 this section. This subsection expires September 1, 2020.

12 SECTION 17. Section [2157.007](#), Government Code, is amended  
13 by adding Subsection (e) to read as follows:

14 (e) The department shall periodically review guidelines on  
15 state agency information that may be stored by a cloud computing or  
16 other storage service and the cloud computing or other storage  
17 services available to state agencies for that storage to ensure  
18 that an agency purchasing a major information resources project  
19 under Section [2054.118](#) selects the most affordable, secure, and  
20 efficient cloud computing or other storage service available to the  
21 agency. The guidelines must include appropriate privacy and  
22 security standards that, at a minimum, require a vendor who offers  
23 cloud computing or other storage services or other software,  
24 applications, online services, or information technology solutions  
25 to any state agency to demonstrate that data provided by the state  
26 to the vendor will be maintained in compliance with all applicable  
27 state and federal laws and rules.

1 SECTION 18. Chapter 276, Election Code, is amended by  
2 adding Section 276.011 to read as follows:

3 Sec. 276.011. ELECTION CYBER ATTACK STUDY. (a) Not later  
4 than December 1, 2018, the secretary of state shall:

5 (1) conduct a study regarding cyber attacks on  
6 election infrastructure;

7 (2) prepare a public summary report on the study's  
8 findings that does not contain any information the release of which  
9 may compromise any election;

10 (3) prepare a confidential report on specific findings  
11 and vulnerabilities that is exempt from disclosure under Chapter  
12 552, Government Code; and

13 (4) submit a copy of the report required under  
14 Subdivision (2) and a general compilation of the report required  
15 under Subdivision (3) that does not contain any information the  
16 release of which may compromise any election to the standing  
17 committees of the legislature with jurisdiction over election  
18 procedures.

19 (b) The study must include:

20 (1) an investigation of vulnerabilities and risks for  
21 a cyber attack against a county's voting system machines or the list  
22 of registered voters;

23 (2) information on any attempted cyber attack on a  
24 county's voting system machines or the list of registered voters;  
25 and

26 (3) recommendations for protecting a county's voting  
27 system machines and list of registered voters from a cyber attack.

1       (c) The secretary of state, using existing resources, may  
2 contract with a qualified vendor to conduct the study required by  
3 this section.

4       (d) This section expires January 1, 2019.

5       SECTION 19. (a) The lieutenant governor shall establish a  
6 Senate Select Committee on Cybersecurity and the speaker of the  
7 house of representatives shall establish a House Select Committee  
8 on Cybersecurity to, jointly or separately, study:

9           (1) cybersecurity in this state;

10          (2) the information security plans of each state  
11 agency; and

12          (3) the risks and vulnerabilities of state agency  
13 cybersecurity.

14       (b) Not later than November 30, 2017:

15           (1) the lieutenant governor shall appoint five  
16 senators to the Senate Select Committee on Cybersecurity, one of  
17 whom shall be designated as chair; and

18           (2) the speaker of the house of representatives shall  
19 appoint five state representatives to the House Select Committee on  
20 Cybersecurity, one of whom shall be designated as chair.

21       (c) The committees established under this section shall  
22 convene separately at the call of the chair of the respective  
23 committees, or jointly at the call of both chairs. In joint  
24 meetings, the chairs of each committee shall act as joint chairs.

25       (d) Following consideration of the issues listed in  
26 Subsection (a) of this section, the committees established under  
27 this section shall jointly adopt recommendations on state

1 cybersecurity and report in writing to the legislature any findings  
2 and adopted recommendations not later than January 13, 2019.

3 (e) This section expires September 1, 2019.

4 SECTION 20. (a) In this section, "state agency" means a  
5 board, commission, office, department, council, authority, or  
6 other agency in the executive or judicial branch of state  
7 government that is created by the constitution or a statute of this  
8 state. The term does not include a university system or institution  
9 of higher education as those terms are defined by Section 61.003,  
10 Education Code.

11 (b) The Department of Information Resources and the Texas  
12 State Library and Archives Commission shall conduct a study on  
13 state agency digital data storage and records management practices  
14 and the associated costs to this state.

15 (c) The study required under this section must examine:

16 (1) the current digital data storage practices of  
17 state agencies in this state;

18 (2) the costs associated with those digital data  
19 storage practices;

20 (3) the digital records management and data  
21 classification policies of state agencies and whether the state  
22 agencies are consistently complying with the established policies;

23 (4) whether the state agencies are storing digital  
24 data that exceeds established retention requirements and the cost  
25 of that unnecessary storage;

26 (5) the adequacy of storage systems used by state  
27 agencies to securely maintain confidential digital records; and

1           (6) possible solutions and improvements recommended  
2 by the state agencies for reducing state costs and increasing  
3 security for digital data storage and records management.

4           (d) Each state agency shall participate in the study  
5 required by this section and provide appropriate assistance and  
6 information to the Department of Information Resources and the  
7 Texas State Library and Archives Commission.

8           (e) Not later than December 1, 2018, the Department of  
9 Information Resources and the Texas State Library and Archives  
10 Commission shall issue a report on the study required under this  
11 section and recommendations for reducing state costs and for  
12 improving efficiency in digital data storage and records management  
13 to the lieutenant governor, the speaker of the house of  
14 representatives, and the appropriate standing committees of the  
15 house of representatives and the senate.

16           (f) This section expires September 1, 2019.

17           SECTION 21. The changes in law made by this Act do not apply  
18 to the Electric Reliability Council of Texas.

19           SECTION 22. This Act takes effect September 1, 2017.