

**HOUSE . . . . . No. 2814**

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**The Commonwealth of Massachusetts**

PRESENTED BY:

***James M. Cantwell***

*To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:*

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

An Act addressing cybercrime through enhanced criminal penalties, civil remedies, and transparency.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	DATE ADDED:
<i>James M. Cantwell</i>	<i>4th Plymouth</i>	<i>1/20/2017</i>
<i>Brian M. Ashe</i>	<i>2nd Hampden</i>	<i>1/31/2017</i>
<i>Bruce J. Ayers</i>	<i>1st Norfolk</i>	<i>2/1/2017</i>
<i>Thomas J. Calter</i>	<i>12th Plymouth</i>	<i>1/27/2017</i>
<i>Tackey Chan</i>	<i>2nd Norfolk</i>	<i>1/26/2017</i>
<i>Josh S. Cutler</i>	<i>6th Plymouth</i>	<i>2/3/2017</i>
<i>David F. DeCoste</i>	<i>5th Plymouth</i>	<i>2/1/2017</i>
<i>Angelo L. D'Emilia</i>	<i>8th Plymouth</i>	<i>2/3/2017</i>
<i>Shawn Dooley</i>	<i>9th Norfolk</i>	<i>1/25/2017</i>
<i>Michelle M. DuBois</i>	<i>10th Plymouth</i>	<i>2/3/2017</i>
<i>Peter J. Durant</i>	<i>6th Worcester</i>	<i>1/25/2017</i>
<i>Lori A. Ehrlich</i>	<i>8th Essex</i>	<i>2/3/2017</i>
<i>Denise C. Garlick</i>	<i>13th Norfolk</i>	<i>2/3/2017</i>
<i>Susan Williams Gifford</i>	<i>2nd Plymouth</i>	<i>2/1/2017</i>
<i>Paul R. Heroux</i>	<i>2nd Bristol</i>	<i>2/2/2017</i>
<i>Steven S. Howitt</i>	<i>4th Bristol</i>	<i>1/31/2017</i>
<i>Kevin J. Kuros</i>	<i>8th Worcester</i>	<i>1/30/2017</i>

<i>David Paul Linsky</i>	<i>5th Middlesex</i>	<i>1/30/2017</i>
<i>Rady Mom</i>	<i>18th Middlesex</i>	<i>2/2/2017</i>
<i>Mathew Muratore</i>	<i>1st Plymouth</i>	<i>2/2/2017</i>
<i>Patrick M. O'Connor</i>	<i>Plymouth and Norfolk</i>	<i>1/31/2017</i>
<i>Keiko M. Orrall</i>	<i>12th Bristol</i>	<i>2/1/2017</i>
<i>Angelo J. Puppolo, Jr.</i>	<i>12th Hampden</i>	<i>1/25/2017</i>
<i>Richard J. Ross</i>	<i>Norfolk, Bristol and Middlesex</i>	<i>2/2/2017</i>
<i>Bruce E. Tarr</i>	<i>First Essex and Middlesex</i>	<i>2/3/2017</i>
<i>Bud Williams</i>	<i>11th Hampden</i>	<i>2/3/2017</i>

**HOUSE . . . . . No. 2814**

By Mr. Cantwell of Marshfield, a petition (accompanied by bill, House, No. 2814) of James M. Cantwell and others relative to amending certain statutes pertaining to data security breaches and calling for an investigation by a special commission (including members of the General Court) on cybersecurity to assess the various threats across the Commonwealth. Consumer Protection and Professional Licensure.

**The Commonwealth of Massachusetts**

**In the One Hundred and Ninetieth General Court  
(2017-2018)**

An Act addressing cybercrime through enhanced criminal penalties, civil remedies, and transparency.

*Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:*

1 SECTION 1. Section 6 of chapter 93H of the General Laws, as appearing in the 2014  
2 Official Edition, is hereby further amended, in line 1, by inserting before the word “The” the  
3 following letter:-(a).

4 SECTION 2. Section 6 of said chapter 93H, as so appearing, is hereby further amended  
5 by inserting, after paragraph (a), the following paragraphs:-

6 (b) Any person or agency that owns or licenses the data shall not be liable for damages  
7 from a security breach when: (1) the data owner or licensor is in compliance with this chapter;  
8 and (2) the security breach was not the result of intentional misconduct or the negligence of the  
9 data licensor, its agents, or employees. Any person who has been injured by a security breach  
10 may bring a civil action for actual damages, reasonable attorney’s fees, and court costs.

11 (c) Any person or agency that owns or licenses data, that provides the requisite notice to  
12 comply with section 3, may bring a civil action against a person that unlawfully obtained or  
13 negligently benefited from information maintained by the data owner or licensor, for actual  
14 damages, reasonable attorney's fees, court costs, and the reasonable costs of notification.

15 (d) Remedies provided by this chapter are cumulative and do not affect the availability of  
16 remedies under other law.

17 SECTION 3. (a) There shall be a special commission on cybersecurity, pursuant to  
18 section 2A of chapter 4 of the General Laws, to assess the various cybersecurity threats across  
19 the commonwealth and to recommend corresponding legislative action, risk-management  
20 strategies, and response plans.

21 The special commission shall:

22 (1) promote the prevention of cybercrime, the enforcement of cybersecurity laws, the  
23 investigation and prosecution of cyber criminals, and the destruction of cybercrime enterprises,  
24 including through improved collaboration among local, state, and federal law enforcement across  
25 national and international jurisdictions;

26 (2) assess cybersecurity threats facing persons, agencies, organizations, and corporations  
27 in the Commonwealth;

28 (3) assess deficiencies in current preventative risk-management plans and the existing  
29 laws intended to safeguard public and personal information and respond to cybercrime;

30 (4) assess deficiencies in the laws governing cybersecurity breach response plans and  
31 response notification requirements;

32 (5) recommend strategies, including legislative action, to promote cybersecurity, deter  
33 cybercrime, and promote robust data security;

34 (6) recommend programs and practices to improve and incentivize preventative risk-  
35 management plans; and

36 (7) recommend strategies, including legislation, to improve data security against cyber  
37 threats without unduly burdening data storing entities;

38 The commission shall consist of 18 members or their designees: 2 members of the house  
39 of representatives, 1 of whom shall be appointed by the speaker of the house and shall serve as  
40 co-chair, and 1 of whom shall be appointed by the minority leader of the house of  
41 representatives; 2 members of the senate, 1 of whom shall be appointed by the senate president  
42 and shall serve as co-chair, and 1 of whom shall be appointed by the minority leader of the  
43 senate; the attorney general; the treasurer; the secretary of public safety and security; the  
44 superintendent of the state police; the secretary of the executive office of housing and economic  
45 development; secretary of the executive office of health and human services; the commissioner  
46 of the department of public utilities; the executive director of the health connector; the assistant  
47 secretary for masshealth; and 5 members who shall be appointed by the governor, 1 of whom  
48 shall be an expert in commercial cybersecurity, 1 of whom shall be an expert in public  
49 infrastructure cybersecurity, 1 of whom shall be a legal expert in high technology and  
50 cybercrime, 1 of whom shall be a law enforcement officer in cybercrime, and 1 of whom shall be  
51 an expert in data security or computer engineering.

52 The commission may hold public meetings and fact-finding hearings as it considers  
53 necessary; provided, however, that the commission shall conduct at least 3 public hearings to

54 receive testimony from members of the public and experts. The commission shall file the report  
55 of its study with the governor and the clerks for the house of representatives and the senate.

56 SECTION 4. Section 1 of chapter 93H of the General Laws, as appearing in the 2014  
57 Official Edition, is hereby amended by striking out said section and inserting in place thereof the  
58 following section:-

59 Section 1. (a) As used in this chapter, the following words shall, unless the context  
60 clearly requires otherwise, have the following meanings:

61 "Access device", a card issued by a financial institution that contains a magnetic stripe,  
62 microprocessor chip, or other means for storage of information which includes, but is not limited  
63 to, a credit card, debit card, or stored value card.

64 "Agency", any agency, executive office, department, board, commission, bureau, division  
65 or authority of the commonwealth, or any of its branches, or of any political subdivision thereof.

66 "Biometric indicator", any unique biological attribute or measurement that can be used to  
67 authenticate the identity of an individual, including but not limited to fingerprints, genetic  
68 information, iris or retina patterns, facial characteristics, or hand geometry.

69 "Breach of security", the unauthorized acquisition or unauthorized use of unencrypted  
70 data or, encrypted electronic data and the confidential process or key that is capable of  
71 compromising the security, confidentiality, or integrity of personal information, maintained by a  
72 person or agency that creates an identifiable risk of identity theft or fraud. A good faith but  
73 unauthorized acquisition of personal information by a person or agency, or employee or agent  
74 thereof, for the lawful purposes of such person or agency, is not a breach of security unless the

75 personal information is used in an unauthorized manner or subject to further unauthorized  
76 disclosure.

77 “Data”, any material upon which written, drawn, spoken, visual, or electromagnetic  
78 information or images are recorded or preserved, regardless of physical form or characteristics.

79 “Encrypted”, transformation of data through the use of a 128-bit or higher algorithmic  
80 process into a form in which there is a low probability of assigning meaning without use of a  
81 confidential process or key, unless further defined by regulation of the department of consumer  
82 affairs and business regulation.

83 "Financial institution", any office of a trust company, commercial bank, industrial loan  
84 company, savings bank, savings and loan association, cooperative bank or credit union chartered  
85 by the commonwealth or by another state of the United States, the District of Columbia, the  
86 commonwealth of Puerto Rico, a territory of possession of the United States, or a country other  
87 than the United States, or a national banking association, federal savings and loan association,  
88 federal savings bank or federal credit union.

89 “Information security program”, the administrative, technical, or physical safeguards that  
90 a covered entity uses to access, collect, distribute, process, protect, store, use, transmit, dispose  
91 of, or otherwise handle personal information.

92 “Notice”, shall include:

93 (i) written notice;

94 (ii) electronic notice, if notice provided is consistent with the provisions regarding  
95 electronic records and signatures set forth in § 7001 (c) of Title 15 of the United States Code;  
96 and chapter 110G; or

97 (iii) substitute notice, if the person or agency required to provide notice demonstrates that  
98 the cost of providing written notice will exceed \$250,000, or that the affected class of  
99 Massachusetts residents to be notified exceeds 500,000 residents, or that the person or agency  
100 does not have sufficient contact information to provide notice.

101 “Person”, a natural person, corporation, association, partnership or other legal entity.

102 “Personal information”, a resident’s first name and last name or first initial and last name  
103 in combination with any 1 or more of the following data elements that relate to such resident:

104 (a) Social Security number;

105 (b) driver’s license number or state-issued identification card number;

106 (c) financial account number, or credit or debit card number, with or without any required  
107 security code, access code, personal identification number or password, that would permit access  
108 to a resident’s financial account; or

109 (d) biometric indicator; provided, however, that “Personal information” shall not include  
110 information that is lawfully obtained from publicly available information, or from federal, state  
111 or local government records lawfully made available to the general public.

112 "Service provider", a person or entity that stores, processes, or transmits access device  
113 data on behalf of another person or entity.

114 “Substitute notice”, shall consist of all of the following:

115 (i) electronic mail notice, if the person or agency has electronic mail addresses for the  
116 members of the affected class of Massachusetts residents;

117 (ii) clear and conspicuous posting of the notice on the home page of the person or agency  
118 if the person or agency maintains a website; and

119 (iii) publication in or broadcast through media or medium that provides notice throughout  
120 the commonwealth.

121 (b) The department of consumer affairs and business regulation may adopt regulations,  
122 from time to time, to revise the definition of “encrypted”, as used in this chapter, to reflect  
123 applicable technological advancements.

124 SECTION 5. Section 2 of said chapter 93H is hereby further amended by striking out the  
125 first paragraph and inserting in place thereof the following paragraphs:-

126 Section 2. (a) The department of consumer affairs and business regulation shall adopt  
127 regulations relative to any person that owns or licenses personal information about a resident of  
128 the commonwealth. Such regulations shall require a person subject to this chapter to develop,  
129 implement, and maintain a comprehensive information security program that contains  
130 administrative, technical, and physical safeguards that are reasonably designed to (1) ensure the  
131 security and confidentiality of personal information of residents of the commonwealth, (2)  
132 protect against any anticipated threats or hazards to the security or integrity of such information;  
133 and (3) protect against unauthorized acquisition of such information that could result in  
134 substantial harm to the individuals to whom such information relates.

135           The regulations shall require a person subject to this chapter to (1) designate an employee  
136 or employees to coordinate the information security program, (2) identify reasonably foreseeable  
137 internal and external risks to the security, confidentiality, and integrity of sensitive financial  
138 account information and sensitive personal information and assess the sufficiency of any  
139 safeguards in place to control these risks, including consideration of risks in each relevant area of  
140 the covered entity’s operations, (3) design and implement information safeguards to control the  
141 risks identified in its risk assessment, and regularly assess the effectiveness of the safeguards’  
142 key controls, systems, and procedures, and (4) oversee third-party service providers by taking  
143 reasonable steps to select and retain third-party service providers that are capable of maintaining  
144 appropriate safeguards for personal information and requiring third-party service providers by  
145 contract to implement and maintain such safeguards.

146           A person shall be deemed to be in compliance with this chapter if it is subject to 15  
147 U.S.C. 6801, 42 U.S.C. 1320d–2, or 42 U.S.C. 17932 and 17937 and the regulations  
148 promulgated under these sections.

149           SECTION 6. Section 3 of said chapter 93H is hereby further amended by striking out the  
150 third paragraph and inserting in place thereof the following paragraph:-

151           The notice to be provided to the resident shall include, but not be limited to, the  
152 consumer’s right to obtain a police report, how a consumer requests a security freeze and the  
153 necessary information to be provided when requesting the security freeze, and any fees required  
154 to be paid to any of the consumer reporting agencies.

155           SECTION 7. Chapter 266 of the General Laws is hereby amended by striking out section  
156 33A, as so appearing, and inserting in place thereof the following section:-

157           Section 33A. (a) Whoever, with intent to defraud, obtains, or attempts to obtain, or aids  
158 or abets another in obtaining, any public or commercial computer service by false representation,  
159 false statement, unauthorized charging to the account of another, by installing or tampering with  
160 any facilities or equipment or by any other means, shall be guilty of obtaining computer services  
161 by fraud or misrepresentation, and shall, if resulting in damages that do not exceed five thousand  
162 dollars, be punished for a first offense by imprisonment in the house of correction for not more  
163 than two and one-half years or by a fine of not more than three thousand dollars, or both, and for  
164 a subsequent offense, by imprisonment for not less than one year nor more than two and one half  
165 years, or by a fine of not less than three hundred nor more than three thousand dollars, or both;  
166 or, if as a result of such, (1) damages exceed five thousand dollars, (2) endangers human life, (3)  
167 cause serious injury, (4) disrupts a computer service for public safety, healthcare, energy  
168 infrastructure, or (5) disrupts a computer service that affects medical equipment used for the  
169 direct administration of medical care or treatment to a person, shall be punished by imprisonment  
170 in the house of correction for not more than five years or by a fine of not more than twenty-five  
171 thousand dollars, or both, and for a second offense by imprisonment in the house of correction  
172 for not less than two and one half years nor more than five years, or by a fine of not less than two  
173 thousand and five hundred nor more than twenty-five thousand dollars, or both.

174           (b) As used in this section, the words "public and commercial computer service" shall  
175 mean the use of computers, computer systems, computer programs or computer networks, or the  
176 access to or copying of the data, where such use, access or copying is: (1) administered by any  
177 local or state government; or (2) offered by the proprietor or operator of the computer, system,  
178 program, network or data to others on a subscription or other basis for monetary consideration.

179 SECTION 8. Section 120F of Chapter 266 of the General Laws, as appearing in the 2014  
180 Official Edition, is hereby amended, in line 5, by striking the words “thirty days”, and inserting  
181 in place thereof the following words:- six months

182 SECTION 9. Section 120F of Chapter 266 of the General Laws, as appearing, is hereby  
183 amended, in line 6, by striking the word “both.”, inserting in place thereof the following words:-  
184 both; or, if such access includes the system’s camera, microphone, or location services, shall be  
185 punished by imprisonment in the house of correction for not more than one year or by a fine of  
186 not more than five thousand dollars, or both; or, if access or, if as a result of such access, (1)  
187 damages exceed five thousand dollars, (2) endangers human life, (3) cause serious injury, or (4)  
188 disrupts a computer service that affects medical equipment used for the administration of  
189 medical care or treatment to a person, shall be punished by imprisonment in the house of  
190 correction for not more than five years or by a fine of not more than twenty-five thousand  
191 dollars, or both.

192 SECTION 10. Chapter 266 of the General Laws, as appearing, is hereby amended by  
193 inserting after section 120F the following section:-

194 Section 120G. Whoever, intentionally interferes with, denies or causes the denial of  
195 access to or use of a computer, system, or network to an authorized user of a computer system,  
196 shall be punished by imprisonment in the house of correction for not more than one year or by a  
197 fine of not more than five thousand dollars, or both; or, if such interference denies, interrupts,  
198 impairs, or causes the denial of access to or use of a public safety or healthcare infrastructure  
199 computer system, shall be punished by imprisonment in the house of correction for not less than

200 one year and not more than two and one half years, or by a fine of not less than one thousand  
201 dollars and not more than ten thousand dollars, or both.