

1 TO THE HOUSE OF REPRESENTATIVES:

2 The Committee on Commerce and Economic Development to which was  
3 referred Senate Bill No. 269 entitled “An act relating to blockchain,  
4 cryptocurrency, and financial technology” respectfully reports that it has  
5 considered the same and recommends that the House propose to the Senate that  
6 the bill be amended by striking out all after the enacting clause and inserting in  
7 lieu thereof the following:

8 \* \* \* Definition of Blockchain Technology \* \* \*

9 Sec. 1. 12 V.S.A. § 1913 is amended to read:

10 § 1913. BLOCKCHAIN ENABLING

11 (a) As used in this section, ~~“blockchain technology”~~ :

12 (1) “Blockchain” means a ~~mathematically~~ cryptographically secured,  
13 chronological, and decentralized consensus ledger or consensus database,  
14 ~~whether~~ maintained via Internet ~~interaction~~, peer-to-peer network, or ~~otherwise~~  
15 other interaction.

16 (2) “Blockchain technology” means computer software, hardware, or  
17 collections of computer software, hardware, or both, that utilize or enable a  
18 blockchain.

19 \* \* \*

1                   \* \* \* Personal Information **Protection** Companies \* \* \*

2           Sec. 2. 8 V.S.A. chapter 78 is added to read:

3           CHAPTER 78. PERSONAL INFORMATION **PROTECTION** COMPANIES

4           § 2451. DEFINITIONS

5           As used in this section:

6           (1) “Personal information” means data capable of being associated with  
7           a particular natural person, including gender identification, birth information,  
8           marital status, citizenship and nationality, government identification  
9           designations, and personal, educational, and financial histories.

10           (2) “Personal information protection company” means a business that is  
11           organized for the primary purpose of providing personal information protection  
12           services to individual consumers.

13           (3) “Personal information protection services” means:

14           (A) receiving, holding, and managing the disclosure or use of  
15           personal information concerning an individual consumer;

16           (B) pursuant to a written agreement that specifies the types of  
17           personal information to be held, and the scope of services to be provided, on  
18           behalf of the consumer; and

19           (C) in the best interest, and for the protection and benefit, of the  
20           consumer.

21           § 2452. PERSONAL INFORMATION AS THE SUBJECT OF A

1                    FIDUCIARY RELATIONSHIP

2                    A personal information protection company that accepts personal  
3 information pursuant to a written agreement to provide personal information  
4 protection services has a fiduciary responsibility to the consumer when  
5 providing personal protection services.

6                    § 2453. QUALIFIED PERSONAL INFORMATION PROTECTION

7                    COMPANY

8                    (a) A personal information protection company shall qualify to conduct its  
9 business under the terms of this chapter and applicable rules adopted by the  
10 Department of Financial Regulation.

11                    (b) A person shall not engage in business as a personal information  
12 protection company in this State without first obtaining a certificate of  
13 authority from the Department.

14                    (c) A personal information protection company shall:

15                    (1) be organized or authorized to do business under the laws of this  
16 State;

17                    (2) maintain a place of business in this State;

18                    (3) appoint a registered agent to accept service of process and to  
19 otherwise act on its behalf in this State, provided that whenever the registered  
20 agent cannot with reasonable diligence be found at the Vermont registered

1 office of the company, the Secretary of State shall be an agent of the company  
2 upon whom any process, notice, or demand may be served;

3 (4) annually hold at least one meeting of its governing body in this  
4 State, at which meeting one or more members of the body are physically  
5 present; and

6 (5) develop, implement, and maintain a comprehensive information  
7 security program that contains administrative, technical, and physical  
8 safeguards sufficient to protect personal information, and which may include  
9 the use of blockchain technology, as defined in 12 V.S.A. § 1913, in some or  
10 all of its business activities.

11 § 2454. NAME; OFFICE

12 A personal information protection company shall file with the Department  
13 of Financial Regulation the name it proposes to use in connection with its  
14 business, which the Department shall not approve if it determines that the  
15 name may be misleading, likely to confuse the public, or deceptively similar to  
16 any other business name in use in this State.

17 § 2455. CONDUCT OF BUSINESS

18 (a) A personal information protection company may:

19 (1) operate through remote interaction with the individuals entrusting  
20 personal information to the company, and there shall be no requirement of

1 Vermont residency or other contact for any such individual to establish such a  
2 relationship with the company; and

3 (2) subject to applicable fiduciary duties, the terms of any agreement  
4 with the individual involved, and any applicable statutory or regulatory  
5 provision:

6 (A) provide elements of personal information to third parties with  
7 which the individual seeks to have a transaction, a service relationship, or other  
8 particular purpose interaction;

9 (B) provide certification or validation concerning personal  
10 information;

11 (C) receive compensation for acting in these capacities.

12 (b) An authorization to provide personal information may be either  
13 particular or general, provided it meets the terms of any agreement with the  
14 individual involved and any rules adopted by the Department of Financial  
15 Regulation.

16 § 2456. FEES; AUTHORITY OF DEPARTMENT

17 (a)(1) The Department of Financial Regulation shall assess the following  
18 fees for a personal information protection company:

19 (A) an initial registration fee of \$1,000.00, which includes a licensing  
20 fee of \$500.00 and an investigation fee of \$500.00;

21 (B) an annual renewal fee of \$500.00;

1           (C) a change in address fee of \$100.00.

2           (2) The Department shall have the authority to bill a personal  
3 information protection company for examination time at its standard rate.

4           (b) In addition to other powers conferred by this chapter, the Department  
5 shall have the authority to review records, conduct examinations, and require  
6 annual audits of a personal information protection company.

7           § 2457. REPORTS; RULES

8           (a) The Department of Financial Regulation may prescribe by rule the  
9 timing and manner of reports by a personal information protection company to  
10 the Department.

11           (b) The Department may adopt rules to govern other aspects of the business  
12 of a personal information protection company, including its protection and  
13 safeguarding of personal information and its interaction with third parties with  
14 respect to personal information it holds.

15           Sec. 3. INSURANCE; BANKING; DFR STUDY; REPORT

16           (a) The Department of Financial Regulation shall review the potential  
17 application of blockchain technology to the provision of insurance and banking  
18 and consider areas for potential adoption and any necessary regulatory changes  
19 in Vermont.

20           (b) On or before January 15, 2019, the Department shall submit a report of  
21 its findings and recommendations to the House Committee on Commerce and

1 Economic Development and the Senate Committee on Economic  
2 Development, Housing and General Affairs.

3 Sec. 4. BLOCKCHAIN AND FINANCIAL TECHNOLOGY PROMOTION

4 The Agency of Commerce and Community Development shall incorporate  
5 into one or more of its economic development marketing and business support  
6 programs, events, and activities the following topics:

7 (1) opportunities to promote blockchain technology and financial  
8 technology-related economic development in the private sector, including in  
9 the areas of banking, insurance, retail and service businesses, and  
10 cryptocurrency;

11 (2) legal and regulatory mechanisms that enable and promote the  
12 adoption of **blockchain technology and** financial technology in this State; and

13 (3) educational and workforce training opportunities in blockchain  
14 technology, financial technology, and related areas.

15 \* \* \* Enabling Provisions for FinTech and Blockchain Approaches \* \* \*

16 Sec. 4. 11 V.S.A. chapter 25, subchapter 12 is added to read:

17 Subchapter 12. Blockchain-Based Limited Liability Companies

18 § 4171. DEFINITIONS

19 As used in this section:

20 (1) “Blockchain technology” has the same meaning as in 12 V.S.A. §  
21 1913.

1           (2) “Participant” means:

2                   (A) each person that has a partial or complete copy of the  
3           decentralized consensus ledger or database utilized by the blockchain  
4           technology, or otherwise participates in the validation processes of such ledger  
5           or database;

6                   (B) each person in control of any digital asset native to the  
7           blockchain technology; and

8                   (C) each person that makes a material contribution to the protocols.

9           (3) “Protocols” mean the designated regulatory model of the software  
10           that governs the rules, operations, and communication between nodes on the  
11           network utilized by the Participants.

12           (4) “Virtual currency” means a digital representation of value that:

13                   (A) is used as a medium of exchange, unit of account, or store of  
14           value; and

15                   (B) is not legal tender, whether or not denominated in legal tender.

16           § 4172. ELECTION

17           A limited liability company organized pursuant to this title for the purpose  
18           of operating a business that utilizes blockchain technology for a material  
19           portion of its business activities may elect to be a blockchain-based limited  
20           liability company (BLLC) by:



1           (1) specifying in its articles of organization that it elects to be a BLLC;

2           and

3           (2) meeting the requirements in subdivision 4173(2) and subsection  
4           4174(a) of this title.

5           § 4173. AUTHORITY; REQUIREMENTS

6           Notwithstanding any provision of this chapter to the contrary:

7           (1) A BLLC may provide for its governance, in whole or in part,  
8           through blockchain technology.

9           (2) The operating agreement for a BLLC shall:

10           (A) provide a summary description of the mission or purpose of the  
11           BLLC;

12           (B) specify whether the decentralized consensus ledger or database  
13           utilized or enabled by the blockchain technology BLLC will be fully  
14           decentralized or partially decentralized and whether such ledger or database  
15           will be fully or partially public or private, including the extent of participants'  
16           access to information and read and write permissions with respect to protocols;

17           (C) adopt voting procedures, which may include smart contracts  
18           carried out on the blockchain technology, to address:

19           (i) proposals from managers, members, or other groups of  
20           participants in the BLLC for upgrades or modifications to software systems,  
21           protocols, or both;

1                    (ii) other proposed changes to the BBLLC operating agreement; or  
2                    (iii) any other matter of governance or activities within the  
3                    purpose of the BBLLC;

4                    (D) adopt protocols to respond to system security breaches or other  
5                    unauthorized actions that affect the integrity of the blockchain technology  
6                    utilized by the BBLLC;

7                    (E) provide how a person becomes a member of the BBLLC with an  
8                    interest, which may be denominated in the form of units, shares of capital  
9                    stock, or other forms of ownership or profit interests; and

10                   (F) specify the rights and obligations of each group of participants  
11                   within the BBLLC, including which participants shall be entitled to the rights  
12                   and obligations of members and managers.

13                   § 4174. PRESENCE; DIGITAL BUSINESS ENTITY TAX EXEMPTION

14                   (a) A BBLLC shall conduct some or all of its activities within this State.

15                   (b) A BBLLC that qualifies as and elects to be taxed as a digital business  
16                   entity for the taxable year shall not be subject to the tax imposed by 32 V.S.A.  
17                   § 5832.

18                   § 4175. MULTIPLE ROLES OF MEMBERS AND MANAGERS

19                   (a) A member or manager of a BBLLC may interact with the BBLLC in  
20                   multiple roles, including as a member, manager, developer, node, miner, or  
21                   other participant in the BBLLC, or as a trader and holder of the currency in its

1 own account and for the account of others, provided such member or manager  
2 complies with any applicable fiduciary duties.

3 (b) The activities of a member or manager who interacts with the BLLC  
4 through multiple roles are not deemed to take place in this State solely because  
5 of the BLLC is organized in this State.

6 § 4176. CONSENSUS FORMATION ALGORITHMS AND

7 GOVERNANCE PROCESSES

8 In its governance, a BLLC may:

9 (1) adopt any reasonable algorithmic means for accomplishing the  
10 consensus process for validating records, as well as requirements, processes,  
11 and procedures for conducting operations, or making organizational decisions  
12 on the blockchain technology used by the BLLC; and

13 (2) in accordance with any procedure specified pursuant to section 4173  
14 of this title, modify the consensus process, requirements, processes, and  
15 procedures, or substitute a new consensus process, requirements, processes, or  
16 procedures that comply with the requirements of law and the governance  
17 provisions of the BLLC.

18 § 4177. SCOPE OF SUBCHAPTER; OTHER LAW

19 Except as expressly provided otherwise, this subchapter does not exempt a  
20 BLLC from any other judicial, statutory, or regulatory provision of Vermont  
21 law or federal law, including State and federal securities laws. Except to the

1 extent inconsistent with the provisions of this subchapter, the provisions of the  
2 Vermont Limited Liability Company Act govern.

3 \* \* \* Blockchain Technology in Public Records \* \* \*

4 Sec. 5. 3 V.S.A. § 218(f) is added to read:

5 (f) An agency or department may maintain records pursuant to this section  
6 in an electronic or other medium, including with blockchain technology, as  
7 defined in 12 V.S.A. § 1913.

8 Sec. 6. 24 V.S.A. § 1154(e) is added to read:

9 (e) A town clerk may maintain records pursuant to this section in an  
10 electronic or other medium.

11 Sec. 7. 24 V.S.A. § 1157 is amended to read:

12 § 1157. DUTIES OF TOWN CLERK AS TO CHATTEL MORTGAGES

13 A town clerk shall procure and keep a book of records for mortgages of  
14 personal property and shall keep an alphabetical index of mortgagors and  
15 mortgagees. The record and index shall be open to public inspection. The clerk  
16 shall record in the book any mortgage, transfer, discharge, or officer's return of  
17 sale upon any mortgage. Reference to the volume and page of the record of the  
18 mortgage shall be made by the clerk upon the margin of the record of the  
19 return, as well as reference on the margin of the record of the mortgage to the  
20 volume and page of the record of the return. When requested, the clerk shall  
21 give a certified copy thereof on payment of his or her fees as provided in 32

1 V.S.A. § 1671 and shall certify the time when the same is received and  
2 recorded. Mortgages or deeds of trust conveying both real and personal  
3 property shall be recorded only as real estate mortgages, but town clerks shall  
4 include in their indices of mortgages of personal property a reference to the  
5 record thereof. A copy of the personal mortgage, certified as a true and correct  
6 copy by the recording clerk, may be pasted or otherwise permanently attached  
7 in the record books, provided that space on the back of the sheet to be pasted is  
8 allowed for pasting, and when so done the same shall be deemed to be legally  
9 recorded, or if a person leaving the mortgage for record so desires, it shall be  
10 copied into the records at length by the town clerk. A town clerk may maintain  
11 records pursuant to this section in an electronic or other medium.

12 Sec. 8. 24 V.S.A. § 1163 is amended to read:

13 § 1163. INDEX OF ATTACHMENTS

14 A town clerk shall keep a book in which shall be alphabetically indexed all  
15 attachments of personal property lodged in his or her office. Such index shall  
16 show the names of the parties to the action in which the attachment is made,  
17 the court and date of the court to which the attachment is returnable, and the  
18 amount of debt or damages claimed in the writ. The clerk may keep the index  
19 electronically.

20 \* \* \* Uniform Electronic Transactions Act \* \* \*

21 Sec. 9. 9 V.S.A. § 271 is amended to read:

1 § 271. DEFINITIONS

2 For purposes of this chapter:

3 \* \* \*

4 (2) “Automated transaction” means a transaction conducted or  
5 performed, in whole or in part, by electronic means or electronic records,  
6 including a transaction that uses blockchain technology, as defined in 12  
7 V.S.A. § 1913, in which the acts or records of one or both parties are not  
8 reviewed by an individual in the ordinary course in forming a contract,  
9 performing under an existing contract, or fulfilling an obligation required by  
10 the transaction.

11 \* \* \*

12 (8) “Electronic record” means a record created, generated, sent,  
13 communicated, received, or stored by electronic means, including with  
14 blockchain technology, as defined in 12 V.S.A. § 1913.

15 \* \* \*

16 (14) “Record” means information that is inscribed on a tangible medium  
17 or that is stored in an electronic or other medium, including with blockchain  
18 technology, as defined in 12 V.S.A. § 1913, and is retrievable in perceivable  
19 form.

20 \* \* \*

21 Sec. 10. MUNICIPAL AND STATE RECORDS

1 On or before January 15, 2019, the Vermont State Archives and Records  
2 Administration, in collaboration with the Secretary of State, the Vermont  
3 League of Cities and Towns, and the Vermont Clerks Association, shall:

4 (1) review the experience of municipal or State authorities with the use  
5 of blockchain technology for public records;

6 (2) provide educational resources, and explore opportunities, for  
7 employing blockchain technology in municipal or State government activities;  
8 and

9 (3) submit their findings and recommendations to the House Committee  
10 on Commerce and Economic Development and the Senate Committee on  
11 Economic Development, Housing and General Affairs.

12 \* \* \* Effective Date \* \* \*

13 Sec. 11. EFFECTIVE DATE

14 This act shall take effect on July 1, 2018.

15 and that after passage the title of the bill be amended to read: “An act  
16 relating to blockchain business development”

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21 (Committee vote: \_\_\_\_\_)

1

\_\_\_\_\_

2

Representative \_\_\_\_\_

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FOR THE COMMITTEE