

No. 205. An act relating to blockchain business development.

(S.269)

It is hereby enacted by the General Assembly of the State of Vermont:

* * * Definition of Blockchain Technology * * *

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

§ 1913. BLOCKCHAIN ENABLING

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

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

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

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* * * Personal Information Protection Companies * * *

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

CHAPTER 78. PERSONAL INFORMATION PROTECTION

COMPANIES

§ 2451. DEFINITIONS

As used in this section:

Sec. 6. BLOCKCHAIN AND FINANCIAL TECHNOLOGY PROMOTION

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

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

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

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

* * * Enabling Provisions; Blockchain-Based LLCs * * *

Sec. 7. 11 V.S.A. chapter 25, subchapter 12 is added to read:

Subchapter 12. Blockchain-Based Limited Liability Companies

§ 4171. DEFINITIONS

As used in this section:

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

§ 1913.

(2) “Participant” means:

(A) each person that has a partial or complete copy of the decentralized consensus ledger or database utilized by the blockchain

technology, or otherwise participates in the validation processes of such ledger or database;

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

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

(3) “Protocols” means the designated regulatory model of the software that governs the rules, operations, and communication between nodes on the network utilized by the participants.

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

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

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

§ 4172. ELECTION

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

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

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

§ 4173. AUTHORITY; REQUIREMENTS

Notwithstanding any provision of this chapter to the contrary:

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

(2) The operating agreement for a BLLC shall:

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

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

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

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

(ii) other proposed changes to the BLLC operating agreement; or

(iii) any other matter of governance or activities within the purpose of the BLLC;

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

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

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

§ 4174. MULTIPLE ROLES OF MEMBERS AND MANAGERS

(a) A member or manager of a BLLC may interact with the BLLC in multiple roles, including as a member, manager, developer, node, miner, or other participant in the BLLC, or as a trader and holder of the currency in its own account and for the account of others, provided such member or manager complies with any applicable fiduciary duties.

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

§ 4175. CONSENSUS FORMATION ALGORITHMS AND

GOVERNANCE PROCESSES

In its governance, a BLLC may:

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

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

§ 4176. SCOPE OF SUBCHAPTER; OTHER LAW

Except as expressly provided otherwise, this subchapter does not exempt a BLLC from any other judicial, statutory, or regulatory provision of Vermont law or federal law, including State and federal securities laws. Except to the extent inconsistent with the provisions of this subchapter, the provisions of the Vermont Limited Liability Company Act govern.

* * * Blockchain Technology in Public Records * * *

Sec. 8. PUBLIC RECORDS

On or before January 15, 2019, the Vermont State Archives and Records Administration, in collaboration with the Vermont League of Cities and Towns, the Vermont Municipal Clerks' and Treasurers' Association, and the Agency of Digital Services, shall: