

(4) \$15,000,000 for fiscal year 2003.

(Pub. L. 103-325, title I, §180, as added Pub. L. 106-102, title VII, §725, Nov. 12, 1999, 113 Stat. 1474.)

REFERENCES IN TEXT

This title, referred to in text, is title I of Pub. L. 103-325, Sept. 23, 1994, 108 Stat. 2163. Subtitle A (§§101-121) of title I, known as the Community Development Banking and Financial Institutions Act of 1994, is classified principally to subchapter I (§4701 et seq.) of chapter 47 of Title 12, Banks and Banking. Subtitle B (§§151-158) of title I, known as the Home Ownership and Equity Protection Act of 1994, enacted sections 1639 and 1648 of this title, amended sections 1602, 1604, 1610, 1640, 1641, and 1647 of this title, and enacted provisions set out as notes under sections 1601 and 1602 of this title. Subtitle C (§§171-181) of title I, known as the Program for Investment in Microentrepreneurs Act of 1999 or PRIME Act, is classified generally to this chapter. For complete classification of title I of Pub. L. 103-325 to the Code, see Tables.

§ 6910. Implementation

The Administrator shall, by regulation, establish such requirements as may be necessary to carry out this chapter.

(Pub. L. 103-325, title I, §181, as added Pub. L. 106-102, title VII, §725, Nov. 12, 1999, 113 Stat. 1475.)

CHAPTER 96—ELECTRONIC SIGNATURES IN GLOBAL AND NATIONAL COMMERCE

SUBCHAPTER I—ELECTRONIC RECORDS AND SIGNATURES IN COMMERCE

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SUBCHAPTER I—ELECTRONIC RECORDS AND SIGNATURES IN COMMERCE

§ 7001. General rule of validity

(a) In general

Notwithstanding any statute, regulation, or other rule of law (other than this subchapter and subchapter II), with respect to any transaction in or affecting interstate or foreign commerce—

(1) a signature, contract, or other record relating to such transaction may not be denied legal effect, validity, or enforceability solely because it is in electronic form; and

(2) a contract relating to such transaction may not be denied legal effect, validity, or enforceability solely because an electronic signature or electronic record was used in its formation.

(b) Preservation of rights and obligations

This subchapter does not—

(1) limit, alter, or otherwise affect any requirement imposed by a statute, regulation, or rule of law relating to the rights and obligations of persons under such statute, regulation, or rule of law other than a requirement that contracts or other records be written, signed, or in nonelectronic form; or

(2) require any person to agree to use or accept electronic records or electronic signatures, other than a governmental agency with respect to a record other than a contract to which it is a party.

(c) Consumer disclosures

(1) Consent to electronic records

Notwithstanding subsection (a), if a statute, regulation, or other rule of law requires that information relating to a transaction or transactions in or affecting interstate or foreign commerce be provided or made available to a consumer in writing, the use of an electronic record to provide or make available (whichever is required) such information satisfies the requirement that such information be in writing if—

(A) the consumer has affirmatively consented to such use and has not withdrawn such consent;

(B) the consumer, prior to consenting, is provided with a clear and conspicuous statement—

(i) informing the consumer of (I) any right or option of the consumer to have the record provided or made available on paper or in nonelectronic form, and (II) the right of the consumer to withdraw the consent to have the record provided or made available in an electronic form and of any conditions, consequences (which may include termination of the parties' relationship), or fees in the event of such withdrawal;

(ii) informing the consumer of whether the consent applies (I) only to the particular transaction which gave rise to the obligation to provide the record, or (II) to identified categories of records that may be provided or made available during the course of the parties' relationship;

(iii) describing the procedures the consumer must use to withdraw consent as provided in clause (i) and to update information needed to contact the consumer electronically; and

(iv) informing the consumer (I) how, after the consent, the consumer may, upon request, obtain a paper copy of an electronic record, and (II) whether any fee will be charged for such copy;

(C) the consumer—

(i) prior to consenting, is provided with a statement of the hardware and software requirements for access to and retention of the electronic records; and

(ii) consents electronically, or confirms his or her consent electronically, in a manner that reasonably demonstrates that the consumer can access information in the electronic form that will be used to provide the information that is the subject of the consent; and

(D) after the consent of a consumer in accordance with subparagraph (A), if a change in the hardware or software requirements needed to access or retain electronic records creates a material risk that the consumer will not be able to access or retain a subsequent electronic record that was the subject of the consent, the person providing the electronic record—

(i) provides the consumer with a statement of (I) the revised hardware and software requirements for access to and retention of the electronic records, and (II) the right to withdraw consent without the imposition of any fees for such withdrawal and without the imposition of any condition or consequence that was not disclosed under subparagraph (B)(i); and

(ii) again complies with subparagraph (C).

(2) Other rights

(A) Preservation of consumer protections

Nothing in this subchapter affects the content or timing of any disclosure or other record required to be provided or made available to any consumer under any statute, regulation, or other rule of law.

(B) Verification or acknowledgment

If a law that was enacted prior to this chapter expressly requires a record to be provided or made available by a specified method that requires verification or acknowledgment of receipt, the record may be provided or made available electronically only if the method used provides verification or acknowledgment of receipt (whichever is required).

(3) Effect of failure to obtain electronic consent or confirmation of consent

The legal effectiveness, validity, or enforceability of any contract executed by a consumer shall not be denied solely because of the failure to obtain electronic consent or confirmation of consent by that consumer in accordance with paragraph (1)(C)(ii).

(4) Prospective effect

Withdrawal of consent by a consumer shall not affect the legal effectiveness, validity, or enforceability of electronic records provided or made available to that consumer in accordance with paragraph (1) prior to implementation of the consumer's withdrawal of consent. A consumer's withdrawal of consent shall be effective within a reasonable period of time after receipt of the withdrawal by the provider of the record. Failure to comply with paragraph (1)(D) may, at the election of the consumer, be treated as a withdrawal of consent for purposes of this paragraph.

(5) Prior consent

This subsection does not apply to any records that are provided or made available to a consumer who has consented prior to the effective date of this subchapter to receive such records in electronic form as permitted by any statute, regulation, or other rule of law.

(6) Oral communications

An oral communication or a recording of an oral communication shall not qualify as an

electronic record for purposes of this subsection except as otherwise provided under applicable law.

(d) Retention of contracts and records

(1) Accuracy and accessibility

If a statute, regulation, or other rule of law requires that a contract or other record relating to a transaction in or affecting interstate or foreign commerce be retained, that requirement is met by retaining an electronic record of the information in the contract or other record that—

(A) accurately reflects the information set forth in the contract or other record; and

(B) remains accessible to all persons who are entitled to access by statute, regulation, or rule of law, for the period required by such statute, regulation, or rule of law, in a form that is capable of being accurately reproduced for later reference, whether by transmission, printing, or otherwise.

(2) Exception

A requirement to retain a contract or other record in accordance with paragraph (1) does not apply to any information whose sole purpose is to enable the contract or other record to be sent, communicated, or received.

(3) Originals

If a statute, regulation, or other rule of law requires a contract or other record relating to a transaction in or affecting interstate or foreign commerce to be provided, available, or retained in its original form, or provides consequences if the contract or other record is not provided, available, or retained in its original form, that statute, regulation, or rule of law is satisfied by an electronic record that complies with paragraph (1).

(4) Checks

If a statute, regulation, or other rule of law requires the retention of a check, that requirement is satisfied by retention of an electronic record of the information on the front and back of the check in accordance with paragraph (1).

(e) Accuracy and ability to retain contracts and other records

Notwithstanding subsection (a), if a statute, regulation, or other rule of law requires that a contract or other record relating to a transaction in or affecting interstate or foreign commerce be in writing, the legal effect, validity, or enforceability of an electronic record of such contract or other record may be denied if such electronic record is not in a form that is capable of being retained and accurately reproduced for later reference by all parties or persons who are entitled to retain the contract or other record.

(f) Proximity

Nothing in this subchapter affects the proximity required by any statute, regulation, or other rule of law with respect to any warning, notice, disclosure, or other record required to be posted, displayed, or publicly affixed.

(g) Notarization and acknowledgment

If a statute, regulation, or other rule of law requires a signature or record relating to a trans-

action in or affecting interstate or foreign commerce to be notarized, acknowledged, verified, or made under oath, that requirement is satisfied if the electronic signature of the person authorized to perform those acts, together with all other information required to be included by other applicable statute, regulation, or rule of law, is attached to or logically associated with the signature or record.

(h) Electronic agents

A contract or other record relating to a transaction in or affecting interstate or foreign commerce may not be denied legal effect, validity, or enforceability solely because its formation, creation, or delivery involved the action of one or more electronic agents so long as the action of any such electronic agent is legally attributable to the person to be bound.

(i) Insurance

It is the specific intent of the Congress that this subchapter and subchapter II apply to the business of insurance.

(j) Insurance agents and brokers

An insurance agent or broker acting under the direction of a party that enters into a contract by means of an electronic record or electronic signature may not be held liable for any deficiency in the electronic procedures agreed to by the parties under that contract if—

- (1) the agent or broker has not engaged in negligent, reckless, or intentional tortious conduct;
- (2) the agent or broker was not involved in the development or establishment of such electronic procedures; and
- (3) the agent or broker did not deviate from such procedures.

(Pub. L. 106-229, title I, §101, June 30, 2000, 114 Stat. 464.)

REFERENCES IN TEXT

This chapter, referred to in subsec. (c)(2)(B), was in the original “this Act”, meaning Pub. L. 106-229, June 30, 2000, 114 Stat. 464, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note below and Tables.

For the effective date of this subchapter, referred to in subsec. (c)(5), see Effective Date note below.

EFFECTIVE DATE

Pub. L. 106-229, title I, §107, June 30, 2000, 114 Stat. 473, provided that:

“(a) IN GENERAL.—Except as provided in subsection (b), this title [enacting this subchapter] shall be effective on October 1, 2000.

“(b) EXCEPTIONS.—

“(1) RECORD RETENTION.—

“(A) IN GENERAL.—Subject to subparagraph (B), this title [enacting this subchapter] shall be effective on March 1, 2001, with respect to a requirement that a record be retained imposed by—

“(i) a Federal statute, regulation, or other rule of law, or

“(ii) a State statute, regulation, or other rule of law administered or promulgated by a State regulatory agency.

“(B) DELAYED EFFECT FOR PENDING RULE-MAKINGS.—If on March 1, 2001, a Federal regulatory agency or State regulatory agency has announced, proposed, or initiated, but not completed, a rule-making proceeding to prescribe a regulation under section 104(b)(3) [15 U.S.C. 7004(b)(3)] with respect to

a requirement described in subparagraph (A), this title shall be effective on June 1, 2001, with respect to such requirement.

“(2) CERTAIN GUARANTEED AND INSURED LOANS.—With regard to any transaction involving a loan guarantee or loan guarantee commitment (as those terms are defined in section 502 of the Federal Credit Reform Act of 1990 [2 U.S.C. 661a]), or involving a program listed in the Federal Credit Supplement, Budget of the United States, FY 2001, this title applies only to such transactions entered into, and to any loan or mortgage made, insured, or guaranteed by the United States Government thereunder, on and after one year after the date of enactment of this Act [June 30, 2000].

“(3) STUDENT LOANS.—With respect to any records that are provided or made available to a consumer pursuant to an application for a loan, or a loan made, pursuant to title IV of the Higher Education Act of 1965 [20 U.S.C. 1070 et seq., 42 U.S.C. 2751 et seq.], section 101(c) of this Act [15 U.S.C. 7001(c)] shall not apply until the earlier of—

“(A) such time as the Secretary of Education publishes revised promissory notes under section 432(m) of the Higher Education Act of 1965 [20 U.S.C. 1082(m)]; or

“(B) one year after the date of enactment of this Act [June 30, 2000].”

SHORT TITLE

Pub. L. 106-229, §1, June 30, 2000, 114 Stat. 464, provided that: “This Act [enacting this chapter and amending provisions set out as a note under section 231 of Title 47, Telecommunications] may be cited as the ‘Electronic Signatures in Global and National Commerce Act.’”

§ 7002. Exemption to preemption

(a) In general

A State statute, regulation, or other rule of law may modify, limit, or supersede the provisions of section 7001 of this title with respect to State law only if such statute, regulation, or rule of law—

(1) constitutes an enactment or adoption of the Uniform Electronic Transactions Act as approved and recommended for enactment in all the States by the National Conference of Commissioners on Uniform State Laws in 1999, except that any exception to the scope of such Act enacted by a State under section 3(b)(4) of such Act shall be preempted to the extent such exception is inconsistent with this subchapter or subchapter II, or would not be permitted under paragraph (2)(A)(ii) of this subsection; or

(2)(A) specifies the alternative procedures or requirements for the use or acceptance (or both) of electronic records or electronic signatures to establish the legal effect, validity, or enforceability of contracts or other records, if—

(i) such alternative procedures or requirements are consistent with this subchapter and subchapter II; and

(ii) such alternative procedures or requirements do not require, or accord greater legal status or effect to, the implementation or application of a specific technology or technical specification for performing the functions of creating, storing, generating, receiving, communicating, or authenticating electronic records or electronic signatures; and

(B) if enacted or adopted after June 30, 2000, makes specific reference to this chapter.

(b) Exceptions for actions by States as market participants

Subsection (a)(2)(A)(ii) shall not apply to the statutes, regulations, or other rules of law governing procurement by any State, or any agency or instrumentality thereof.

(c) Prevention of circumvention

Subsection (a) does not permit a State to circumvent this subchapter or subchapter II through the imposition of nonelectronic delivery methods under section 8(b)(2) of the Uniform Electronic Transactions Act.

(Pub. L. 106-229, title I, §102, June 30, 2000, 114 Stat. 467.)

§ 7003. Specific exceptions**(a) Excepted requirements**

The provisions of section 7001 of this title shall not apply to a contract or other record to the extent it is governed by—

- (1) a statute, regulation, or other rule of law governing the creation and execution of wills, codicils, or testamentary trusts;
- (2) a State statute, regulation, or other rule of law governing adoption, divorce, or other matters of family law; or
- (3) the Uniform Commercial Code, as in effect in any State, other than sections 1-107 and 1-206 and Articles 2 and 2A.

(b) Additional exceptions

The provisions of section 7001 of this title shall not apply to—

- (1) court orders or notices, or official court documents (including briefs, pleadings, and other writings) required to be executed in connection with court proceedings;
- (2) any notice of—
 - (A) the cancellation or termination of utility services (including water, heat, and power);
 - (B) default, acceleration, repossession, foreclosure, or eviction, or the right to cure, under a credit agreement secured by, or a rental agreement for, a primary residence of an individual;
 - (C) the cancellation or termination of health insurance or benefits or life insurance benefits (excluding annuities); or
 - (D) recall of a product, or material failure of a product, that risks endangering health or safety; or
- (3) any document required to accompany any transportation or handling of hazardous materials, pesticides, or other toxic or dangerous materials.

(c) Review of exceptions**(1) Evaluation required**

The Secretary of Commerce, acting through the Assistant Secretary for Communications and Information, shall review the operation of the exceptions in subsections (a) and (b) to evaluate, over a period of 3 years, whether such exceptions continue to be necessary for the protection of consumers. Within 3 years after June 30, 2000, the Assistant Secretary shall submit a report to the Congress on the results of such evaluation.

(2) Determinations

If a Federal regulatory agency, with respect to matter within its jurisdiction, determines after notice and an opportunity for public comment, and publishes a finding, that one or more such exceptions are no longer necessary for the protection of consumers and eliminating such exceptions will not increase the material risk of harm to consumers, such agency may extend the application of section 7001 of this title to the exceptions identified in such finding.

(Pub. L. 106-229, title I, §103, June 30, 2000, 114 Stat. 468.)

§ 7004. Applicability to Federal and State governments**(a) Filing and access requirements**

Subject to subsection (c)(2), nothing in this subchapter limits or supersedes any requirement by a Federal regulatory agency, self-regulatory organization, or State regulatory agency that records be filed with such agency or organization in accordance with specified standards or formats.

(b) Preservation of existing rulemaking authority**(1) Use of authority to interpret**

Subject to paragraph (2) and subsection (c), a Federal regulatory agency or State regulatory agency that is responsible for rulemaking under any other statute may interpret section 7001 of this title with respect to such statute through—

- (A) the issuance of regulations pursuant to a statute; or
- (B) to the extent such agency is authorized by statute to issue orders or guidance, the issuance of orders or guidance of general applicability that are publicly available and published (in the Federal Register in the case of an order or guidance issued by a Federal regulatory agency).

This paragraph does not grant any Federal regulatory agency or State regulatory agency authority to issue regulations, orders, or guidance pursuant to any statute that does not authorize such issuance.

(2) Limitations on interpretation authority

Notwithstanding paragraph (1), a Federal regulatory agency shall not adopt any regulation, order, or guidance described in paragraph (1), and a State regulatory agency is preempted by section 7001 of this title from adopting any regulation, order, or guidance described in paragraph (1), unless—

- (A) such regulation, order, or guidance is consistent with section 7001 of this title;
- (B) such regulation, order, or guidance does not add to the requirements of such section; and
- (C) such agency finds, in connection with the issuance of such regulation, order, or guidance, that—
 - (i) there is a substantial justification for the regulation, order, or guidance;
 - (ii) the methods selected to carry out that purpose—

(I) are substantially equivalent to the requirements imposed on records that are not electronic records; and

(II) will not impose unreasonable costs on the acceptance and use of electronic records; and

(iii) the methods selected to carry out that purpose do not require, or accord greater legal status or effect to, the implementation or application of a specific technology or technical specification for performing the functions of creating, storing, generating, receiving, communicating, or authenticating electronic records or electronic signatures.

(3) Performance standards

(A) Accuracy, record integrity, accessibility

Notwithstanding paragraph (2)(C)(iii), a Federal regulatory agency or State regulatory agency may interpret section 7001(d) of this title to specify performance standards to assure accuracy, record integrity, and accessibility of records that are required to be retained. Such performance standards may be specified in a manner that imposes a requirement in violation of paragraph (2)(C)(iii) if the requirement (i) serves an important governmental objective; and (ii) is substantially related to the achievement of that objective. Nothing in this paragraph shall be construed to grant any Federal regulatory agency or State regulatory agency authority to require use of a particular type of software or hardware in order to comply with section 7001(d) of this title.

(B) Paper or printed form

Notwithstanding subsection (c)(1), a Federal regulatory agency or State regulatory agency may interpret section 7001(d) of this title to require retention of a record in a tangible printed or paper form if—

(i) there is a compelling governmental interest relating to law enforcement or national security for imposing such requirement; and

(ii) imposing such requirement is essential to attaining such interest.

(4) Exceptions for actions by government as market participant

Paragraph (2)(C)(iii) shall not apply to the statutes, regulations, or other rules of law governing procurement by the Federal or any State government, or any agency or instrumentality thereof.

(c) Additional limitations

(1) Reimposing paper prohibited

Nothing in subsection (b) (other than paragraph (3)(B) thereof) shall be construed to grant any Federal regulatory agency or State regulatory agency authority to impose or reimpose any requirement that a record be in a tangible printed or paper form.

(2) Continuing obligation under Government Paperwork Elimination Act

Nothing in subsection (a) or (b) relieves any Federal regulatory agency of its obligations under the Government Paperwork Elimination Act (title XVII of Public Law 105-277).

(d) Authority to exempt from consent provision

(1) In general

A Federal regulatory agency may, with respect to matter within its jurisdiction, by regulation or order issued after notice and an opportunity for public comment, exempt without condition a specified category or type of record from the requirements relating to consent in section 7001(c) of this title if such exemption is necessary to eliminate a substantial burden on electronic commerce and will not increase the material risk of harm to consumers.

(2) Prospectuses

Within 30 days after June 30, 2000, the Securities and Exchange Commission shall issue a regulation or order pursuant to paragraph (1) exempting from section 7001(c) of this title any records that are required to be provided in order to allow advertising, sales literature, or other information concerning a security issued by an investment company that is registered under the Investment Company Act of 1940 [15 U.S.C. 80a-1 et seq.], or concerning the issuer thereof, to be excluded from the definition of a prospectus under section 77b(a)(10)(A) of this title.

(e) Electronic letters of agency

The Federal Communications Commission shall not hold any contract for telecommunications service or letter of agency for a preferred carrier change, that otherwise complies with the Commission's rules, to be legally ineffective, invalid, or unenforceable solely because an electronic record or electronic signature was used in its formation or authorization.

(Pub. L. 106-229, title I, §104, June 30, 2000, 114 Stat. 469.)

REFERENCES IN TEXT

The Government Paperwork Elimination Act, referred to in subsec. (c)(2), is title XVII of Pub. L. 105-277, div. C, Oct. 21, 1998, 112 Stat. 2681-749, which amended section 3504 of Title 44, Public Printing and Documents, and enacted provisions set out as a note under section 3504 of Title 44. For complete classification of this Act to the Code, see Tables.

The Investment Company Act of 1940, referred to in subsec. (d)(2), is title I of act Aug. 22, 1940, ch. 686, 54 Stat. 789, as amended, which is classified generally to subchapter I (§80a-1 et seq.) of chapter 2D of this title. For complete classification of this Act to the Code, see section 80a-51 of this title and Tables.

§ 7005. Studies

(a) Delivery

Within 12 months after June 30, 2000, the Secretary of Commerce shall conduct an inquiry regarding the effectiveness of the delivery of electronic records to consumers using electronic mail as compared with delivery of written records via the United States Postal Service and private express mail services. The Secretary shall submit a report to the Congress regarding the results of such inquiry by the conclusion of such 12-month period.

(b) Study of electronic consent

Within 12 months after June 30, 2000, the Secretary of Commerce and the Federal Trade Com-

mission shall submit a report to the Congress evaluating any benefits provided to consumers by the procedure required by section 7001(c)(1)(C)(ii) of this title; any burdens imposed on electronic commerce by that provision; whether the benefits outweigh the burdens; whether the absence of the procedure required by section 7001(c)(1)(C)(ii) of this title would increase the incidence of fraud directed against consumers; and suggesting any revisions to the provision deemed appropriate by the Secretary and the Commission. In conducting this evaluation, the Secretary and the Commission shall solicit comment from the general public, consumer representatives, and electronic commerce businesses.

(Pub. L. 106-229, title I, §105, June 30, 2000, 114 Stat. 471.)

§ 7006. Definitions

For purposes of this subchapter:

(1) Consumer

The term “consumer” means an individual who obtains, through a transaction, products or services which are used primarily for personal, family, or household purposes, and also means the legal representative of such an individual.

(2) Electronic

The term “electronic” means relating to technology having electrical, digital, magnetic, wireless, optical, electromagnetic, or similar capabilities.

(3) Electronic agent

The term “electronic agent” means a computer program or an electronic or other automated means used independently to initiate an action or respond to electronic records or performances in whole or in part without review or action by an individual at the time of the action or response.

(4) Electronic record

The term “electronic record” means a contract or other record created, generated, sent, communicated, received, or stored by electronic means.

(5) Electronic signature

The term “electronic signature” means an electronic sound, symbol, or process, attached to or logically associated with a contract or other record and executed or adopted by a person with the intent to sign the record.

(6) Federal regulatory agency

The term “Federal regulatory agency” means an agency, as that term is defined in section 552(f) of title 5.

(7) Information

The term “information” means data, text, images, sounds, codes, computer programs, software, databases, or the like.

(8) Person

The term “person” means an individual, corporation, business trust, estate, trust, partnership, limited liability company, association, joint venture, governmental agency, public

corporation, or any other legal or commercial entity.

(9) Record

The term “record” means information that is inscribed on a tangible medium or that is stored in an electronic or other medium and is retrievable in perceivable form.

(10) Requirement

The term “requirement” includes a prohibition.

(11) Self-regulatory organization

The term “self-regulatory organization” means an organization or entity that is not a Federal regulatory agency or a State, but that is under the supervision of a Federal regulatory agency and is authorized under Federal law to adopt and administer rules applicable to its members that are enforced by such organization or entity, by a Federal regulatory agency, or by another self-regulatory organization.

(12) State

The term “State” includes the District of Columbia and the territories and possessions of the United States.

(13) Transaction

The term “transaction” means an action or set of actions relating to the conduct of business, consumer, or commercial affairs between two or more persons, including any of the following types of conduct—

(A) the sale, lease, exchange, licensing, or other disposition of (i) personal property, including goods and intangibles, (ii) services, and (iii) any combination thereof; and

(B) the sale, lease, exchange, or other disposition of any interest in real property, or any combination thereof.

(Pub. L. 106-229, title I, §106, June 30, 2000, 114 Stat. 472.)

SUBCHAPTER II—TRANSFERABLE RECORDS

§ 7021. Transferable records

(a) Definitions

For purposes of this section:

(1) Transferable record

The term “transferable record” means an electronic record that—

(A) would be a note under Article 3 of the Uniform Commercial Code if the electronic record were in writing;

(B) the issuer of the electronic record expressly has agreed is a transferable record; and

(C) relates to a loan secured by real property.

A transferable record may be executed using an electronic signature.

(2) Other definitions

The terms “electronic record”, “electronic signature”, and “person” have the same meanings provided in section 7006 of this title.

(b) Control

A person has control of a transferable record if a system employed for evidencing the transfer of

interests in the transferable record reliably establishes that person as the person to which the transferable record was issued or transferred.

(c) Conditions

A system satisfies subsection (b), and a person is deemed to have control of a transferable record, if the transferable record is created, stored, and assigned in such a manner that—

(1) a single authoritative copy of the transferable record exists which is unique, identifiable, and, except as otherwise provided in paragraphs (4), (5), and (6), unalterable;

(2) the authoritative copy identifies the person asserting control as—

(A) the person to which the transferable record was issued; or

(B) if the authoritative copy indicates that the transferable record has been transferred, the person to which the transferable record was most recently transferred;

(3) the authoritative copy is communicated to and maintained by the person asserting control or its designated custodian;

(4) copies or revisions that add or change an identified assignee of the authoritative copy can be made only with the consent of the person asserting control;

(5) each copy of the authoritative copy and any copy of a copy is readily identifiable as a copy that is not the authoritative copy; and

(6) any revision of the authoritative copy is readily identifiable as authorized or unauthorized.

(d) Status as holder

Except as otherwise agreed, a person having control of a transferable record is the holder, as defined in section 1-201(20) of the Uniform Commercial Code, of the transferable record and has the same rights and defenses as a holder of an equivalent record or writing under the Uniform Commercial Code, including, if the applicable statutory requirements under section 3-302(a), 9-308, or revised section 9-330 of the Uniform Commercial Code are satisfied, the rights and defenses of a holder in due course or a purchaser, respectively. Delivery, possession, and endorsement are not required to obtain or exercise any of the rights under this subsection.

(e) Obligor rights

Except as otherwise agreed, an obligor under a transferable record has the same rights and defenses as an equivalent obligor under equivalent records or writings under the Uniform Commercial Code.

(f) Proof of control

If requested by a person against which enforcement is sought, the person seeking to enforce the transferable record shall provide reasonable proof that the person is in control of the transferable record. Proof may include access to the authoritative copy of the transferable record and related business records sufficient to review the terms of the transferable record and to establish the identity of the person having control of the transferable record.

(g) UCC references

For purposes of this subsection, all references to the Uniform Commercial Code are to the Uni-

form Commercial Code as in effect in the jurisdiction the law of which governs the transferable record.

(Pub. L. 106-229, title II, §201, June 30, 2000, 114 Stat. 473.)

EFFECTIVE DATE

Pub. L. 106-229, title II, §202, June 30, 2000, 114 Stat. 475, provided that: "This title [enacting this subchapter] shall be effective 90 days after the date of enactment of this Act [June 30, 2000]."

SUBCHAPTER III—PROMOTION OF INTERNATIONAL ELECTRONIC COMMERCE

§ 7031. Principles governing the use of electronic signatures in international transactions

(a) Promotion of electronic signatures

(1) Required actions

The Secretary of Commerce shall promote the acceptance and use, on an international basis, of electronic signatures in accordance with the principles specified in paragraph (2) and in a manner consistent with section 7001 of this title. The Secretary of Commerce shall take all actions necessary in a manner consistent with such principles to eliminate or reduce, to the maximum extent possible, the impediments to commerce in electronic signatures, for the purpose of facilitating the development of interstate and foreign commerce.

(2) Principles

The principles specified in this paragraph are the following:

(A) Remove paper-based obstacles to electronic transactions by adopting relevant principles from the Model Law on Electronic Commerce adopted in 1996 by the United Nations Commission on International Trade Law.

(B) Permit parties to a transaction to determine the appropriate authentication technologies and implementation models for their transactions, with assurance that those technologies and implementation models will be recognized and enforced.

(C) Permit parties to a transaction to have the opportunity to prove in court or other proceedings that their authentication approaches and their transactions are valid.

(D) Take a nondiscriminatory approach to electronic signatures and authentication methods from other jurisdictions.

(b) Consultation

In conducting the activities required by this section, the Secretary shall consult with users and providers of electronic signature products and services and other interested persons.

(c) Definitions

As used in this section, the terms "electronic record" and "electronic signature" have the same meanings provided in section 7006 of this title.

(Pub. L. 106-229, title III, §301, June 30, 2000, 114 Stat. 475.)

CHAPTER 97—WOMEN'S BUSINESS ENTERPRISE DEVELOPMENT

Sec.

7101.

Establishment of the Interagency Committee.