

## TABLE OF ELECTRONIC SIGNATURE LEGISLATION

**Prepared and maintained by  
Stephen Mason**

The list of statutes below is probably not comprehensive and the accuracy of citations might not be correct in every case, especially with Member States of the European Union since the Directive was repealed by the new Regulation. For obvious reasons, it is not possible to rely on the accuracy of this list, which is provided as a first point of research.

If you are aware of any inconsistencies or revisions in any of the legislation listed below, please do not hesitate to get in touch.

I acknowledge the help of Luca Castellani, Legal Officer, International Trade Law Division of the Office of Legal Affairs at the United Nations Vienna International Centre, who has kindly informed me of legislation as it has been notified to the United Nations. We exchange copies of the legislation when we are able to obtain copies in electronic form. Not all of the legislation noted below includes such information as the details of the relevant gazette or when it has entered into force, because such information is very difficult to obtain in some jurisdictions.

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### **Alderney**

Electronic Transactions (Alderney) Law, 2001<sup>1</sup>

### **Algeria**

Loi n° 15-04 du 11 Rabie Ethani 1436 correspondant au 1er février 2015 fixant les règles générales relatives à la signature et à la certification électroniques<sup>2</sup>

<sup>1</sup> Other than section 20, into force on 26 March 2002 by the Electronic Transactions (Alderney) Law 2001 (Commencement) Ordinance, 2002; Consolidated version: (No. XXVI of 2001 (Ordres en Conseil Vol. XLI, p. 746); as amended by the Electronic Transactions (Cheque Imaging) (Alderney) Ordinance, 2017 (Alderney Ordinance No. VII of 2017); see also the Mental Health (Miscellaneous Provisions) (Guernsey and Alderney) Ordinance, 2013 (No. XVI of 2013).

<sup>2</sup> Journal Officiel de la République Algérienne No 6, 20 Rabie Ethani 1436, 10 février 2015, 6-14. The Code Civil was amended by Loi n° 05-10 du 20 juin 2005 modifiant et complétant l'ordonnance n° 75-58 du 26 septembre 1975, modifiée et complétée, portant code civil. Article 323 was amended by introducing article 323bis and 323ter,

**Andorra**

Llei 6/2009, del 29 de desembre, de signatura electrònica<sup>3</sup>

**Anguilla**

Electronic Transactions Act, Revised Statutes of Anguilla, Chapter E38<sup>4</sup>

**Antigua and Barbuda**

Electronic Transactions Act, 2013<sup>5</sup>

**Argentina**

Decreto 427/98<sup>6</sup>

Ley De Firma Digital N° 25.506<sup>7</sup>

**Armenia**

On Electronic Document and Electronic Signature<sup>8</sup>

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introducing the concept of written evidence and providing that data in electronic format has the same probative force as paper documents. There was an implicit recognition of electronic signatures, and slightly more specific provisions were included with the introduction of article 323ter. This law now appears to repeal the changed made to the Civil Code, in accordance with article 81. Article 76 provides that electronic signatures and certification authorities have to comply with the new act, and article 77 provides that electronic certificates issued by entities using electronic signatures and certification prior to the enactment of the act remain valid until they expire within the limits of the maximum period prescribed by authority.

<sup>3</sup> Butlletí Oficial del Principat d'Andorra, Núm. 6 – Any 22 – 3.2.2010, 281; entry into force on 29 March 2010.

<sup>4</sup> The Electronic Transactions Act, 2006 was published in the Gazette on 29 September 2006.

<sup>5</sup> Published in the Official Gazette, Volume XXXIV No 37, 5 June 2014, repealing the Electronic Transactions Act 2006 (article 44). Amended by the Electronic Transactions Act (Amendment) Act, 2016.

<sup>6</sup> Bs. As., 16/04/98, relating to the application of digital signatures.

<sup>7</sup> Supplements Decreto 427/98. Enacted on 12 November 2001, approved on 14 November 2001, published in the Official Bulletin on 14 December 2001 and promulgated on 11 December 2001.

Decreto 2628/2002 – Reglamenta Ley 25506 de Firma Digital provides for the establishment of an Advisory Committee Infrastructure for Digital Signature. Regulations relating to certification authorities were issued in 2007: Decisión Administrativa 6/2007 Establécese el marco normativo de firma digital aplicable al otorgamiento y revocación de las licencias a los certificadores que así lo soliciten. Bs. As., 7/2/2007. VISTO la Ley N° 25.506, los Decretos Nros. 2628 del 19 de diciembre de 2002, 624 del 21 de agosto de 2003, 1028 del 6 de noviembre de 2003; 409 del 2 de mayo de 2005 y 724 del 8 de junio de 2006. Published in the Official Bulletin (Boletín Oficial) 12 de febrero de 2007, Año CXV Número 31.093, p 1.

<sup>8</sup> LA-40-S, adopted 14 December 2004, in force 10 April 2004 (ARDB 2004/18(317), 31 March 2004).

**Australia****Commonwealth**

Electronic Transactions Act 1999 (Cth)<sup>9</sup>

**Australian Capital Territory**

Electronic Transactions Act 2001 (ACT)<sup>10</sup>

**New South Wales**

Electronic Transactions Act 2000 (NSW)<sup>11</sup>

**Northern Territory**

Electronic Transactions (Northern Territory) Act 2000 (NT)<sup>12</sup>

**Queensland**

Electronic Transactions (Queensland) Act 2001 (Qld)<sup>13</sup>

**South Australia**

Electronic Communications Act 2000 (SA)<sup>14</sup>

**Tasmania**

Electronic Transactions Act 2000 (Tas)<sup>15</sup>

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<sup>9</sup> Royal Assent on 10 December 1999, date of commencement 15 March 2000 (Gazette No 10 15 March 2000, p 549), amended by the Electronic Transactions Amendment Act 2011, Royal Assent on 25 May 2011; see also the Electronic Transactions Regulations 2000 (Statutory Rules No. 19, 2000) (the legislation history is set out in Endnote 3).

<sup>10</sup> Royal Assent 15 February 2001 (Gazette No 26, 28 June 2001 p 716); ss1 and 2 in force 8 March 2001; sections 3-15 in force 1 July 2001 (Gazette No 26, 28 June 2001 p 716), as amended by Legislation (Consequential Amendments) Act 2001 A2001-44 pt 125 notified 26 July 2001 (Gaz 2001 No 30) s1, s2 commenced 26 July 2001 (IA s 10B) pt 125 commenced 12 September 2001 (s 2 and see Gaz 2001 No S65); Statute Law Amendment Act 2002 A2002-30 pt 3.23 notified LR 16 September 2002 s1, s2 taken to have commenced 19 May 1997 (LA s 75 (2)) pt 3.23 commenced 17 September 2002; Electronic Transactions Amendment Act 2012 A2012-14 notified LR 11 April 2012 s1, s2 commenced 11 April 2012 (LA s 75 (1) remainder commenced 1 June 2012 (s 2 and CN2012-8); republished: R1 12 September 2001; R2 24 September 2002 and Re 1 June 2012.

<sup>11</sup> Royal Assent 3 May 2000 in force from 7 December 2001 (Gazette No 188, 7 December 2001 p 9581); variously amended for specific purposes, including by the Electronic Transactions Amendment Act 2010 No 68, which in turn was repealed by the Interpretation Act 1987 No 15 with effect from 16 October 2010.

<sup>12</sup> Royal Assent 14 December 2000, in force 13 June 2001 (Gazette No 23, 13 June 2001, p 3); amended by the Electronic Transactions (Northern Territory) Amendment Act 2011; Royal Assent 18 April 2011, in force 23 May 2011, Gazette dated 4 May 2011.

<sup>13</sup> Royal Assent on 7 June 2001, ss1-2 commenced on date of assent, remaining provisions commenced on 1 November 2002 (Gazette No 48 1 November 2002, p 759 by SL 2002 No 286).

<sup>14</sup> Gazette 29.8.2002 p 3212. Formerly the Electronic Transactions Act; Royal Assent on 7 December 2000, in operation on 1 November 2002 (Gazette No 96 29 August 2002, p 3212), formerly the Electronic Transactions Act 2000.

**Victoria**

Electronic Transactions (Victoria) Act 2000 (Vic)<sup>16</sup>

**Western Australia**

Electronic Transactions Act 2011 (WA)<sup>17</sup>

**Austria**

Bundesgesetz über elektronische Signaturen und Vertrauensdienste für elektronische Transaktionen (Signatur- und Vertrauensdienstegesetz – SVG), BGBl. I Nr. 50/2016<sup>18</sup>

**Azerbaijan**

Law on Digital Electronic Signature 2004<sup>19</sup>

**Bahamas**

The Electronic Communications and Transactions Act, 2003<sup>20</sup>

**Bahrain**

Legislative Decree No 28 of 2002 with respect to electronic transactions

**Bangladesh**

The Information and Communication Technology Act, 2006

**Barbados**

Electronic Transactions Act, 2001

<sup>15</sup> Royal Assent 13 December 2000 (Gazette No 20190, 23 May 2002 p 624 by SR 2001, No 47), amended by the Evidence (Consequential Amendments) Act 2001 and Electronic Transactions Amendment Act 2010.

<sup>16</sup> Royal Assent 16 May 2000 and into force on 1 September 2000, s2 (Gazette No 20, 18 May 2000, p 967).

<sup>17</sup> Repeals the Electronic Transactions Act 2003. Royal Assent 25 October 2011, Commencement: s. 1 and 2: 25 October 2011 (see s. 2(a)); s. 26: 1 August 2012 (see s. 2(b)(i) and Gazette 31 July 2012 p. 3683); Act other than s. 1, 2 and 26: 1 August 2012 (see s. 2(c) and Gazette 31 July 2012 p. 3683).

<sup>18</sup> Consolidated version dated 08.05.2019. Replaces Signaturgesetz - SigG, BGBl. I Nr. 190/1999.

<sup>18</sup> Last reading on 9 March 2004 in the Mejlis (Parliament) and signed by the president on the same day. The president issued a decree implementing the law on 26 May 2004, the day it came into force.

<sup>19</sup> Last reading on 9 March 2004 in the Mejlis (Parliament) and signed by the president on the same day. The president issued a decree implementing the law on 26 May 2004, the day it came into force.

<sup>20</sup> Number 4 of 2003 in the Gazette. Date of Assent 11 April 2003. In force in June 2003.

**Belarus**

Law on the electronic document and the electronic digital signature No 113-Z of 28 December 2009<sup>21</sup>

**Belgium**

9 Juli 2001 Wet houdende vaststelling van bepaalde regels in verband met het juridisch kader voor elektronische handtekeningen en certificatie-diensten<sup>22</sup>

Koninklijk besluit van 6 december 2002 houdende organisatie van de controle en de accreditatie van de certificatie-dienstverleners die gekwalificeerde certificaten afleveren (Belgisch Staatsblad, 17 januari 2003)<sup>23</sup>

Wet tot uitvoering en aanvulling van de verordening (EU) nr. 910/2014 van het Europees Parlement en de Raad van 23 juli 2014 betreffende de elektronische identificatie en vertrouwensdiensten voor elektronische transacties in de interne markt en tot intrekking van Richtlijn 1999/93/EG, houdende invoeging van titel 2 in boek XII "Recht van de elektronische economie" van het Wetboek van economisch recht, en houdende invoeging van de definities eigen aan titel 2 van boek XII en van de rechtshandhabingsbepalingen eigen aan titel 2 van

<sup>21</sup> Accepted by the House of Representatives on 4 December 2009; Approved by Council of the Republic on 11 December 2009. Replacing Law on Electronic Documents No. 357-Z of 10 January 2000 (First published in the official newspaper *Звязда* (Zwiazda) of 18 January 2000 and entered into force on the day of its official publication. On 21 January 2000, it was also published in the National Register of Legal Acts of the Republic of Belarus (Natsyonalnyi rejestr pravovych aktow Respubliki Belarus), 2000, No. 7, 2/132. The Law has been altered twice by the Law of the Republic of Belarus No. 137-Z of 29 June 2006 (National Register of Legal Acts of the Republic of Belarus, 2006, No. 107, 2/1235); and by the Law of the Republic of Belarus No. 162-Z of 20 July 2006 (National Register of Legal Acts of the Republic of Belarus, 2006, No. 122, 2/1259)).

<sup>22</sup> Publicatie: 29-09-2001 Inwerkingtreding: 09-10-2001 Dossiernummer: 2001-07-09/43; Johan Vandeddriessche, 'Introduction to the Belgian laws on e-signatures' together with an unofficial translation of the law in Digital Evidence and Electronic Signature Law Review, 1 (2004), 67 – 74.

<sup>23</sup> French: Arrêté royal du 6 décembre 2002 organisant le contrôle et l'accréditation des prestataires de service de certification qui délivrent des certificats qualifiés (Moniteur Belge, 17 janvier 2003); English: Royal Decree of 6 December 2002 organising the supervision and accreditation of certification services providers issuing qualified certificates (Belgian State Gazette, 17 January 2003).

boek XII, in de boeken I, XV en XVII van het Wetboek van economisch recht, 21 July 2016<sup>24</sup>

## Belize

Electronic Transactions Act, Chapter 290:01<sup>25</sup>

## Benin

Loi n° 2017-20 portant code du numérique en République du Bénin<sup>26</sup>

## Bermuda

Electronic Transactions Act 1999<sup>27</sup>

## Bhutan

Bhutan Information, Communications and Media Act 2006<sup>28</sup>

## Bolivia

Ley general de Telecomunicaciones, Tecnologías de Información y Comunicación Ley 164 (8 Agosto 2011)<sup>29</sup>

## Botswana

Electronic Records (Evidence) Act 2014<sup>30</sup>

## Brazil

Medida Provisória Nº 2.200-2, de 24 de Agosto de 2001 Institui a Infra-Estrutura de Chaves Públicas Brasileira – ICP-Brasil, e dá outras providências<sup>31</sup>

<sup>24</sup> Law implementing and supplementing Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC, inserting Title 2 in Book XII 'Electronic Economy Law' of the Economic Law Code, and inserting the definitions specific to Title 2 of Book XII and the law enforcement provisions specific to Title 2 of Book XII in the books I, XV and XVII of the Economic Law Code.

<sup>25</sup> Entered into force on 26 September 2005 by Electronic Transactions Act (Commencement) Order, 2005 (Statutory Instrument 119 of 2005); see also the Electronic Evidence Act, Chapter 95:01.

<sup>26</sup> Adopted by the National Assembly on 13 June 2017.

<sup>27</sup> Royal Assent 5 August 1999, in force on 4 October 1999.

<sup>28</sup> Entered into force on 5 July 2006, corresponding to the 9th day of the 5th month of the Bhutanese Fire Male Dog Year (s1(b)).

<sup>29</sup> General Law of Telecommunications, Information and Communication Technologies – this law appears to have replaced Proyecto de Ley No 080/2007 sobre Documentor, Firms y Comercio Electrónico.

<sup>30</sup> Passed by the National Assembly on 9 April 2014. Date of assent 14 May 2015. Date of commencement: on notice (not known if notice issued to date).

## Brunei Darussalam

Electronic Transactions Act, CAP 196<sup>32</sup>

## Bulgaria

ЗАКОН ЗА ЕЛЕКТРОННИЯ ДОКУМЕНТ И ЕЛЕКТРОННИТЕ УДОСТОВЕРИТЕЛНИ УСЛУГИ (ЗАГЛ. ИЗМ. - ДВ, БР. 85 ОТ 2017 Г.)<sup>33</sup>

## Canada

### Federal

Personal Information Protection and Electronic Documents Act, S.C. 2000, c. 5<sup>34</sup>

### Alberta

Electronic Transactions Act 2001, S.A. 2001, C. E-5.5<sup>35</sup>

### British Columbia

Electronic Transactions Act, S.B.C. 2001, c. 10<sup>36</sup>

<sup>31</sup> Provides for the legal validity of electronic documents and electronic signatures. Medidas Provisorias (MP) are normally Presidential Bills which need to be sanctioned by Parliament after 30 days of publication. If they have not been sanctioned, they cease to be enforced after this period. If sanctioned, they become law. This specific MP has become law through Constitutional Amendment no. 32 of 2001, which determined that all MP not yet sanctioned by Congress by September 2001 but which were still in force at that time, were converted into law.

<sup>32</sup> Revised edition 2007, replacing the Electronic Transactions Order, 2000 (Published in the Gazette on the 16 December 2000 and came into force, with the exception of Part X concerning the regulation of Certification Authorities, on the 1 May 2001 by a notification published in the Gazette on 2 June 2001).

<sup>33</sup> Amending Закон за Електронния Документ и Електронния Подпис (Обн., ДВ, бр. 34 от 2001 г.) (Electronic Document and Electronic Signature Act 2001); (Law on the electronic document and electronic trust services), promulgated SG. I.34 of 6 April 2001, amended SG. I.112 of 29 December 2001, amended SG. I.30 of 11 April 2006, amended SG. I.34 of 25 April 2006, amended SG. I.38 of 11 May 2007, amended SG. I.100 of 21 December 2010, amended SG. I.101 of 20 December 2016, amended SG. I.85 of 24 October 2017, amended SG. I.97 of 5 December 2017, amended SG. I.14 of 13 February 2018, amended SG. I.1 of 3 January 2019.

<sup>34</sup> Part 2, Electronic Documents, in force 1 May 2000, last amended 1 April 2019. Regulations: Secure Electronic Signature Regulations, S.O.R./2005-30, last amended on 10 March 2011; Barbara McIscac QC and Howard R. Fohr, 'Legal update, Canada: PIPEDA's Secure Electronic Signature Regulations have been published,' *Digital Evidence and Electronic Signature Law Review*, 2 (2005), 71 – 72. Note also the Uniform Law Conference of Canada: Uniform Electronic Commerce Act and Uniform Electronic Evidence Act.

<sup>35</sup> In force on Proclamation, 1 April 2003. Regulations: Electronic Transactions Act Designation Regulation, Alta. Reg. 35/2003 (amendments: 108/2004, 221/2004, 8/2005, 254/2007, 43/2013, 89/2013, 45/2014, 188/2016, 34/2017, 27/2018), and Electronic Transactions Act General Regulation, Alta. Reg. 34/2003 (amendments: 25/2012, 19/2015).

<sup>36</sup> In force on 19 April 2001 by BC Regulation 122/01; amended BC Reg 11/04; BC Reg 109/2016.

**Manitoba**

Electronic Commerce and Information Act, C.C.S.M. 2000, c. E55<sup>37</sup>

**New Brunswick**

Electronic Transactions Act, R.S.N.B. 2011, c.145<sup>38</sup>  
Regulation 2002-24 filed 28 March 2002, by virtue of s19 of the Electronic Transactions Act 2001, excluding certain Acts from the application of the provisions of the Electronic Transactions Act 2001

**Newfoundland and Labrador**

Electronic Commerce Act, S.N.L. 2001, c.E-5.2<sup>39</sup>

**Northwest Territories**

Electronic Transactions Act, S.N.W.T. 2011, c.13<sup>40</sup>

**Nova Scotia**

Electronic Commerce Act, S.N.S. 2000, c. 26<sup>41</sup>

**Nunavut**

Electronic Commerce Act, S.Nu 2004, c 7<sup>42</sup>

**Ontario**

Electronic Commerce Act, S.O. 2000, c. 17<sup>43</sup>

**Prince Edward Island**

Electronic Commerce Act, R.S.P.E.I. 1988, c. E-4.1<sup>44</sup>

Electronic Evidence Act, R.S.P.E.I. 1988, c. E-4.3<sup>45</sup>

<sup>37</sup> Part 2 (as amended by SM 2001, c. 35, s. 36): in force on 28 November 2011 (Man. Gaz. 17 September 2011). Part 6: in force on 19 March 2001 (Man. Gaz. 6 January 2001), remainder of Act: in force on 23 October 2000 (Man. Gaz. 4 November 2000).

<sup>38</sup> Repealed the Electronic Transactions Act, S.N.B. 2001, c. E-5.5.

<sup>39</sup> Royal Assent and in force on 13 December 2001; amended by 2009 cR-10.01 s42.

<sup>40</sup> Amended by S.N.W.T. 2014, c.2; in force 1 October 2015, SI-006-2015.

<sup>41</sup> Royal Assent and in force on 30 November 2000.

<sup>42</sup> Consolidation of Electronic Commerce Act, in force 1 December 2004.

<sup>43</sup> In force on date of Royal Assent, 16 October 2000; current version 1 July 2015. See also Electronic Registration Act (Ministry of Consumer and Business Services Statutes), 1991, S.O. 1991, c. 44 and Designation of Acts, O. Reg. 759/93, applying only to those acts administered by the Ministry.

<sup>44</sup> Royal Assent and in force on 15 May 2001; current version 2 December 2015.

<sup>45</sup> Royal Assent and in force on 15 May 2001.

**Quebec**

An Act to establish a legal framework for information technology, R.S.Q. c. C-1.1<sup>46</sup>

**Saskatchewan**

The Electronic Information and Documents Act, S.S. 2000, c. E-7.22<sup>47</sup>

The Electronic Information and Documents Regulations Chapter E-7.22 Reg 1<sup>48</sup>

**Yukon**

Electronic Commerce Act, R.S.Y. 2002, c. 66<sup>49</sup>

Electronic Evidence Act, R.S.Y. 2002, c. 67<sup>50</sup>

**Cape Verde**

Decreto-Lei nº 33/2007 de 24 de Setembro<sup>51</sup>

**Cameroun**

Loi No 2010/021 of 21 decembre 2010 Régissant le commerce électronique au Cameroun<sup>52</sup>

**Cayman Islands**

Electronic Transactions Law (2003 Revision)<sup>53</sup>

**Chile**

Ley Sobre Documentos Electronicos, Firma Electronica y Servicios de Certificación de Dicha Firma No 19.799, 25 de marzo 2002<sup>54</sup>

<sup>46</sup> Royal Assent and in force on 1 November 2001; in accordance with section 9 of the Act respecting the consolidation of the statutes and regulations (chapter R-3), chapter 32 of the statutes of 2001, in force on 1 April 2002, is repealed, except sections 77 to 81 and 105, effective from the coming into force of chapter C-1.1 of the Revised Statutes.

<sup>47</sup> Proclaimed in force, 1 November 2000. Regulations: Electronic Information and Documents Regulations, R.R.S. c. E-7.22 Reg. 1. Amended by the Statutes of Saskatchewan, 2002, c.18; 2015, c.11; and 2016, c.15.

<sup>48</sup> In force on 23 November 2003.

<sup>49</sup> Proclaimed in force, 27 March 2001.

<sup>50</sup> Proclaimed in force, 27 March 2001.

<sup>51</sup> This decree amends Decreto-Lei n.º 49/2003 de 24 de Novembro, which in turn repealed Decreto-Lei nº 46/2000, de 13 de Novembro, relativas a assinaturas digitais, a certificação e à fiscalização (Decree-Law No. 46/2000, of 13 November, on digital signatures, certification and inspection).

<sup>52</sup> Law No 2010/021 of 21 December 2010 on electronic commerce in Cameroon. The National Assembly deliberated and adopted the law in a plenary session on 2 December 2010 Bill No. 868/PJL/AN.

<sup>53</sup> Appears to revise the Electronic Transactions Law, 2000 (Supplement No 2 published with Gazette No 19 dated 11 September 2000).

Ley de bases sobre contratos administrativos de suministro y de prestación de servicios N° 19.886 11 de julio de 2003<sup>55</sup>

## China

Electronic Signatures Law of the People's Republic of China of 2015<sup>56</sup>

## Colombia

Ley 527 de 1999 Por medio de la cual se define y reglamenta el acceso y uso de los mensajes de datos, del comercio electrónico y de las firmas digitales, y se establecen las entidades de certificación y se dictan otras disposiciones<sup>57</sup>

<sup>54</sup> In force from the publication in the Official Gazette, 12 April 2002; amended by Decreto N° 181, 9 julio 2002. Ministerio de Economía, Fomento y Reconstrucción. Aprueba el Reglamento de la Ley N° 19.799 sobre documento electrónico, firma electrónica y servicios de certificación de dicha firma; Decreto N° 83, 3 junio 2004. Ministerio Secretaría General de la Presidencia. Aprueba norma técnica para los órganos de la administración del Estado sobre seguridad y confidencialidad de los documentos electrónicos; Ley N° 20.217. Modifica el Código de Procedimiento Civil y la Ley N° 19.799 sobre documento electrónico, firma electrónica y servicios de certificación de dicha firma.

<sup>55</sup> Chapter IV provides for the purchases in the public sector by electronic means. In force from the publication in the Official Gazette, 30 July 2003; amended by Ley N° 21.056; Ley N° 21.005; Ley N° 20.940; Ley N° 20.883; Ley N° 20.787; Ley N° 20.720; Ley N° 20.238; Ley N° 20.088.

<sup>56</sup> Electronic Signature Law, document number: Order No. 24 of the President of the People's Republic of China, promulgated on and effective since 4 April 2015. Amends Electronic Signatures Law of the People's Republic of China of 2004 (Adopted at the 11th Meeting of the Standing Committee of the Tenth National People's Congress on 28 August 2004 and in force from 1 April 2005 by Chairman Order of the People's Republic of China, No 18; Minyan Wang and Minju Wang, 'Introduction to the Electronic Signatures Law of the People's Republic of China' together with an unofficial translation, *Digital Evidence and Electronic Signature Law Review*, 2 (2005), 79 – 85).

<sup>57</sup> (Law No. 527. By means of which the access and use of data messages, electronic commerce and digital signatures is defined and regulated, and certification entities are established and other provisions are issued). Diario Oficial No. 43.673, de 21 de agosto de 1999; latest amendment 21 April 2019. The rules relating to certification entities were defined more in detail by Decreto 1747 de 2000 (September 11) se reglamenta parcialmente la ley 527 en lo relacionado con las entidades de certificación, los certificados y firmas digitales. Technical Standards relating to digital signatures were set forth by way of Resolución 26930 de 2000 de la Superintendencia de Industria y Comercio definiendo los estándares para la autorización y funcionamiento de entidades certificadoras y auditores; see also Exposición de Motivos de la Ley 527 de 1999, Ver el Decreto Distrital 619 de 2007, Ver el Concepto de la Sec. General 28 de 2010; Acuerdo N° PSAA06-3334, 2 marzo 2006. Consejo Superior de la Judicatura. Por el cual se reglamentan la utilización de medios electrónicos e informáticos en el cumplimiento de las funciones de administración de justicia (The use of electronic and computer media for the purposes of administration of justice are regulated.); Decreto N° 2.364, 22 noviembre 2012. Presidencia de la República. Por medio del cual se reglamenta el artículo 7° de la Ley 527, de 1999, sobre la firma electrónica y se dictan otras disposiciones (electronic signatures are regulated under article 7 of

Ley 588 de julio 5 de 2000 Por medio de la cual se reglamenta el ejercicio de la actividad notarial<sup>58</sup>

## Costa Rica

Ley número 8454, de Certificados, Firmas Digitales y Documentos Electrónicos<sup>59</sup>

## Croatia

Zákon o elektroničkom potpisu<sup>60</sup>

## Cyprus

The Implementation of Regulation (EC) 910/2014 on Electronic Identification and Confidence Services for Electronic Commerce in the Internal Market, Law 2018 (Law 55 (I)/2018)<sup>61</sup>

## Czech Republic

Zákon č. 227/2000 Sb., o elektroničkom potpisu a o změně některých dalších zákonů (zákon o elektroničkom potpisu)<sup>62</sup>

## Denmark

Lov om supplerende bestemmelser til forordning om elektronisk identifikation og tillidstjenester til brug for elektroniske transaktioner på det indre marked, nr. 617 af 8 juni 2016<sup>63</sup>

Law 527, of 1999).

<sup>58</sup> Diario Oficial No. 44.071, de 6 de julio de 2000 provides for rules pertaining to the activities of public notaries.

<sup>59</sup> Published in La Gaceta 197 on 13 October 2005; see also Ley N° 7472 and Ley N° 33018 regarding regulations.

<sup>60</sup> The Electronic Signature Act, published in the Official Gazette Narodne Novine No. 10 in 2002 and came into force on 1 April 2002.

<sup>61</sup> This act repealed the Law on the Legal Framework for Electronic Signatures and Associated Matters of 2004, Law No. 188(I)/2004. The following basic and amending legislation is incorporated in the consolidated text: About the Legal Framework for Electronic Signatures and Related Issues Law of 2004 (Law 188(I)/2004) EC, Par. I (I), No. 3852, 30/4/2004; The Legal Framework for Electronic Signatures and Related Issues (Amendment) Law of 2009 (Law 34(I)/2009) EC, Par. I (I), No.4201, 10/4/2009; The Legal Framework for Electronic Signatures and Related Issues (Amendment) Law of 2012 (Law 86 (I)/2012) EC, Par. I (I), No. 4342, 29/6/2012.

<sup>62</sup> Act No. 227/2000 Coll., on Electronic Signatures and the amendment to certain other acts (Electronic Signatures Act). Passed on 29 June 2000 and in force on 1 October 2000. The Act was amended by Act No. 440/2004 Coll., which came into force and effect on 26 July 2004 and further amended by Act No. 297/2016, dated 24 August 2016, in force on date of publication (section 21).

<sup>63</sup> (Supplementary Provisions to the Regulation on electronic identification and trust services for use in electronic transactions in the internal market), entered into force on 1 July 2016, and repealing Lov om elektroniske signaturer Nr. 417.

**Dominican Republic**

Ley de Comercio Electrónico, Documentos y Firmas Digitales No. 126-02<sup>64</sup>

**Dubai**

Law of Electronic Transactions and Commerce No. 2/2002

**Ecuador**

Ley de Comercio Electrónico, Firmas y Mensajes de Datos, Ley No. 2002-67<sup>65</sup>

Reglamento a la Ley de Comercio Electrónico 31 de Diciembre 2002<sup>66</sup>

**Egypt**

Law No 15/2004 on Regulating Electronic Signature and Establishing the Information Technology Industry Development Authority<sup>67</sup>

**El Salvador**

Ley de Firma Electronica<sup>68</sup>

**Estonia**

E-identimise ja e-tehingute usaldusteenuste seadus<sup>69</sup>

**European Union**

Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on

electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93/EC<sup>70</sup>

**Fiji**

Electronic Transactions Promulgation 2008<sup>71</sup>

**Finland**

Laki vahvasta sähköisestä tunnistamisesta ja sähköisistä allekirjoituksista, 7.8.2009/617<sup>72</sup>

**France**

Loi No 2000-230 du 13 mars 2000 portant adaptation du droit de la preuve aux technologies de l'information et relative à la signature électronique<sup>73</sup>

Décret no 2001-272 du mars 30, 2001 pris pour l'application de l'article 1316-4 du code civil relatif à la signature électronique

Décret no 2002-535 du avril 18, 2002 relatif à l'évaluation et à la certification de la sécurité offerte par les produits et les systèmes des technologies de l'information<sup>74</sup>

Arrêté ministériel du mai 31, 2002 relatif à la reconnaissance de la qualification des prestataires de certification électronique et à l'accréditation des organismes chargés de l'évaluation<sup>75</sup>

<sup>64</sup> Dated 4 September 2002, published in the Official Gazette No.10172 of 29 September 2002. This law is complemented by the Ruling of Enforcement, Decree No. 335-03, issued by the Executive Branch on 8 April 2003.

<sup>65</sup> Registro Oficial (RO) Sup 557 de 17 de Abril del 2002.

<sup>66</sup> Regulation of the law of electronic commerce, Executive Decree 3496, Official Gazette 735 of 31 December 2002; see also Decreto No. 3496, Reglamento a la Ley de comercio electrónico, firmas electrónicas y mensajes de datos, 12 de diciembre del 2002 (the regulation to the Law of electronic commerce, electronic signatures and data messages).

<sup>67</sup> Adopted by Parliament on 17 April 2004. In 2005, the Minister of Telecommunication & Information issued an Executive Regulation under the law by Ministerial decree no. 109 on May 15, 2005, providing the legal and technical details relating to the enforcement of the law.

<sup>68</sup> Decreto No 133, Diario Oficial No 196, Tomo No 409; date of publication 26 October 2015.

<sup>69</sup> (Electronic Identification and Trust Services for Electronic Transactions Act), repealing Digitaalallkirja seadus Vastu võetud 8. märtsil 2000. a. (RT I 2000, 26, 150) jõustunud 15. detsembril 2000 (article 26), passed on 12 October 2016, in force from 1 January 2019; amended by Vabariigi Valitsuse seaduse ja teiste seaduste muutmise seadus, RT I, 12.12.2018, 3, passed on 21.11.2018, in force on 1 January 2019.

<sup>70</sup> OJ L257, 28.8.2014, p. 73–114, in force from 1 July 2016 (article 52(1)). Repeals Directive 1999/93/EC of the European Parliament and of the Council of 13 December 1999 on a Community framework for electronic signatures, OJ L 13, 19.01.2000, p.12.

<sup>71</sup> Published in the Government Gazette, 14 October 2008, Volume 8 number 86, p 979; amended by the Electronic Transactions (Amendment) Act 2017.

<sup>72</sup> Law of strong electronic identification and electronic signatures 7.8.2009/617; this has replaced Laki sähköisistä allekirjoituksista 24.1.2003/14 (Act on Electronic Signatures 24.1.2003/2003); amended by L 533/2016, 15 December 2017.

<sup>73</sup> This law amends article 1316 of the Code Civil to provide for electronic signatures; article 1317(2), that provides for an act of authentication to be made by electronic means, provided it is prepared and a record maintained in accordance with the relevant decree of the Conseil d'Etat and article 1326, which is formulated in such manner as to allow for unilateral commitments to be made electronically.

<sup>74</sup> This decree provides for the accreditation scheme for certification service providers.

<sup>75</sup> This Arrêté compliments the provisions of Décret no 2002-535 du avril 18, 2002.

Ordonnance n° 2016-131 du 10 février 2016 portant réforme du droit des contrats, du régime général et de la preuve des obligations<sup>76</sup>

Loi n° 2016-1321 du 7 octobre 2016 pour une République numérique<sup>77</sup>

Décret n° 2017-1416 du 28 septembre 2017 relatif à la signature électronique<sup>78</sup>

L'arrêté du 12 avril 2018 relatif à la signature électronique dans la commande publique fixe les règles relatives à l'usage de la signature électronique dans les marchés publics<sup>79</sup>

## Gambia

Information and Communications Act, 2009<sup>80</sup>

## Georgia

Law on Electronic Signatures and Electronic Documents, 14 March 2008<sup>81</sup>

## Germany

Gesetz zur Durchführung der Verordnung (EU) Nr. 910/2014 des Europäischen Parlaments und des Rates vom 23. Juli 2014 über elektronische Identifizierung und Vertrauensdienste für elektronische Transaktionen im Binnenmarkt und zur Aufhebung der Richtlinie 1999/93/EG (eIDAS-Durchführungsgesetz), Vom 18. Juli 2017<sup>82</sup>

VwVfG Verwaltungsverfahrensgesetz [I B 25]<sup>83</sup>

<sup>76</sup> Order n° 2016-131 of 10 February 2016 reforming the law of contracts, the general regime and the proof of obligations.

<sup>77</sup> Law for a Digital Republic, 7 October 2016. This text covers the electronic registered delivery service provided in the eIDAS Regulation and provides them an equivalent legal effect as registered letters.

<sup>78</sup> Decree No 2017-1416 28 September 2017 on electronic signatures.

<sup>79</sup> Arrêté of 12 April 2018 relating to electronic signature in public procurement, setting the rules relating to the use of electronic signature in public procurement.

<sup>80</sup> 29 May 2009.

<sup>81</sup> Amended on 16 July 2010.

<sup>82</sup> (Law implementing Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market and repealing Directive 1999/93 / EC (eIDAS Implementing Act), dated 18 July 2017), repeals, by article 11, Gesetz über Rahmenbedingungen für elektronische Signaturen (Signaturgesetz – SigG) vom 16.5.2001 (BGBl. I S. 876).

<sup>83</sup> Section 3(a) of this law implements SigG in German administrative law. This implements the digital signature and the infrastructure for certification authorities.

BGB Bürgerliches Gesetzbuch (BGB)<sup>84</sup>

ZPO Zivilprozessordnung<sup>85</sup>

## Ghana

Electronic Transactions Act, 2008 (Act 772)

## Gibraltar

Electronic Commerce Act 2001<sup>86</sup>

## Greece

Presidential Decree 150/2001<sup>87</sup>

## Grenada

Electronic Transactions Act, 2008

## Guatemala

Ley para el Reconocimiento de las Comunicaciones y Firmas Electrónicas de 25 de agosto de 2008<sup>88</sup>

## Guernsey

The Electronic Transactions (Guernsey) Law, 2000 (Consolidated text)<sup>89</sup>

<sup>84</sup> Section 126(a) implements the provisions of SigG into German civil law and gives digital signatures parity of treatment to the manuscript form; s127 Abs 3 provides for types of electronic signature other than digital signatures to have the same standing as provided under SigG. It should be noted that sections 623 (cancellation of a contract of employment), 630 (employer's obligation to deliver certificates of employment), 766 (guarantees/bonds), 780 (promise to perform an act in which the obligation is created solely by the promise itself), 781 (acknowledgement of debt) of the BGB and Section 4 of the Consumer Loan Act (VerbraucherKreditgesetz – VerbrKrG) provide that in these specific instance, an electronic signature is not possible or invalid, which slightly mitigates the importance of section 126a BGB. These exceptions concern sections of the BGB that the legislator considered must remain as manuscript signatures.

<sup>85</sup> Section 292(a) implements SigG in the German Code of Civil Procedure. This provides for the presumption that digital signatures conforming to the requirements set out in SigG are acceptable, subject to a challenge that the digital signature was misused without the authority of the subscribing party.

<sup>86</sup> Passed by the House of Assembly on 5 March 2001 and given assent on the 8 March 2001, but this was subsequently changed to the 14 March 2001 by Legal Notice 19/01. Brought into force on 22 March 2001 by Legal Notice 13/01. The citation has been altered pursuant to the commencement of the new Gibraltar Constitution in 2007. All Gibraltar statutes, previously known as Ordinances, have, since the commencement of the new Constitution on 2 January 2007, now been re-named as Acts.

<sup>87</sup> Passed on 13 June 2001 and in force from the date published in the Gazette (Government Gazette, Issue A', No. 125/25.06.2001). The Decree implemented the EU Directive, which was repealed by the EU Regulation. By not up-dating the Decree, this infers that the Decree is no longer operative and the EU Regulation applies directly to Greece in the absence of any domestic legislation.

<sup>88</sup> Recognition Act Communications and Electronic Signatures of 25 August 2008.



**Haiti**

Décret portant sur la signature électronique<sup>90</sup>

**Honduras**

Decreto No. 149-2013, Ley Sobre Firmas Electrónicas<sup>91</sup>

**Hong Kong Special Administrative Region, People's Republic of China**

Electronic Transactions Ordinance 2000<sup>92</sup>

**Hungary**

2001. évi XXXV. Törvény az elektronikus aláírásról<sup>93</sup>

<sup>89</sup> VIII of 2000 (Ordres en Conseil Vol. XL, p. 263). Sections 1 to 9 came into force on 1 March 2001 by the Electronic Transactions (Guernsey) Law, 2000 (Commencement) Ordinance, 2001. Sections 15 to 18 came into force on 1 December 2000 by the Electronic Transactions (Guernsey) Law, 2000 (Commencement) (No 2) Ordinance, 2000. Sections 10 to 14, 19, and 21 to 24 came into force on the 1 October 2000 by the Electronic Transactions (Guernsey) Law, 2000 (Commencement) Ordinance, 2000. The provisions of sections 1 to 5 and 8 of the Electronic Transactions (Guernsey) Law 2000 do not apply to a number of transactions set out in the Electronic Transactions (Exemptions) Order, 2001 (SI No 13 of 2001). Amended by the Machinery of Government (Transfer of Functions) (Guernsey) Ordinance, 2003 (No. XXXIII of 2003, Recueil d'Ordonnances Tome XXIX, p. 406); the Electronic Transactions (Obligation to use Electronic Form) (Guernsey) Ordinance, 2014 (No. XIV of 2014); the Organisation of States' Affairs (Transfer of Functions) Ordinance, 2016 (No. IX of 2016); the Electronic Transactions (Cheque Imaging) (Guernsey) Ordinance, 2017 (No. XXIV of 2017).

<sup>90</sup> Le Moniteur, Journal Officiel De La Republique D'Haiti, 171è Année No. 20, Vendredi 29 Janvier 2016, 1-10.

<sup>91</sup> Del 30 de Julio de 2013, Acta No. 32; Diario Oficial La Gaceta, 11 December 2013, 33,301.

<sup>92</sup> Amendments consolidated to 7 July 2017. Section 32 and Part VII came into force on 18 February 2000 under the authority of the Electronic Transactions Ordinance (1 of 2000) (Commencement) Notice 2000 (L.N. 7 of 2000) dated 10 January 2000; sections 3, 5, 6, 7, 8 and 10 and Part IV and Part V (in relation to the matters referred to in Schedule 1) of and Schedules 1 and 2 to the Ordinance were brought into operation on 7 April 2000 by the Electronic Transactions Ordinance (1 of 2000) (Commencement) (No 2) Notice 2000 (L.N. 60 of 2000); Schedule 2 to the Electronic Transactions Ordinance was amended by the Electronic Transactions Ordinance (Amendment of Schedule 2) Order 2000 (L.N. 59 of 2000), adding 28 statutory bodies which exercise quasi-judicial functions to the Schedule. The law was amended by the Electronic Transactions (Amendment) Ordinance 2004, Order number 14, into force on 30 June 2004. Note that Schedule 2 has been amended seven times, by L.N. 59 of 2000, L.N. 5 of 2002 s407; L.N. 7 of 2004 s55; L.N. 18 of 2004 s69; L.N. 20 of 2004 s59; L.N. 19 of 2005 s7; L.N. 23 of 2005 s28; L.N. 151 of 2006, 9 of 2007; L.N. 130 of 2007; L.N. 214 of 2007; L.N. 249 of 2008; L.N. 83 of 2009, 13 of 2010, 3 of 2012, E.R. 1 of 2013, 15 of 2014; L.N. 141 of 2014, 18 of 2015; L.N. 120 of 2015, 23 of 2016, E.R. 2 of 2017, E.R. 3 of 2017.

<sup>93</sup> Digital Signature Act 2001. Passed by Parliament in May 2001, in force on 1 September 2001. Amended by Ferill málsins á Alþingi. Frumvarp til laga. Tóku gildi 16. maí 2001. EES-samningurinn: XI. viðauki tilskipun 1999/93/EB. Breytt með l. 72/2003 (tóku gildi 10. apríl 2003), l. 62/2005 (tóku gildi 1. júlí 2005), l. 34/2007 (tóku gildi 30. mars 2007), l. 98/2009 (tóku gildi 1. okt. 2009 nema 69. og 70. gr. sem tóku gildi 1. jan. 2010), l. 126/2011 (tóku gildi 30. sept.

**Iceland**

Lög nr. 28/2001 um rafrænar umdirskriftir<sup>94</sup>

**India**

Information Technology Act 2000<sup>95</sup>

**Indonesia**

Rancangan Undang-undang Informasi dan Transaksi Elektronik 11 tahun 2008<sup>96</sup>

**Iran**

Electronic Commerce Act 2004

**Iraq**

Law on electronic signature and electronic transactions (No. 78) 2012

**Ireland**

Electronic Commerce Act, 2000<sup>97</sup>

**Isle of Man**

Electronic Transactions Act 2000<sup>98</sup>

**Israel**

Electronic Signature Law, 5761-2001<sup>99</sup>

2011), l. 125/2013 (tóku gildi 31. des. 2013), l. 47/2018 (tóku gildi 26. maí 2018) og l. 90/2018 (tóku gildi 15. júlí 2018; EES-samningurinn: XI. viðauki reglugerð 2016/679).

<sup>94</sup> Act No 28/2001 on electronic signatures, in force on 16 May 2001, immediately it was passed by article 24; see also Regulation 780/2011 on Electronic Signatures (16 August 2011).

<sup>95</sup> In force on 17 October 2002 (s1(3) and Vide G.S.R. 788 (E)), 17 October 2000, amended by the Information Technology (Amendment) Act 2008.

<sup>96</sup> Information and Electronic Transactions Law 11 of 2008, Supplement to the State Gazette of the Republic of Indonesia, Number 4843; amended by Undang-Undang Republik Indonesia Nomor 19 Tahun 2016 Tentang Perubahan Atas Undang-Undang Nomor 11 Tahun 2008 Tentang Informasi dan Transaksi Elektronik (Law of the Republic of Indonesia Number 19 Year 2016 concerning Amendments to Law Number 11 Year 2008 concerning Information and Electronic Transactions) effect on 25 November 2016.

<sup>97</sup> Updated to 10 May 2019. In force on 20 September 2000 in accordance with regulation 2 of the Electronic Commerce Act, 2000 (Commencement) Order, 2000 (SI 293/2000). S.I. No. 233/2010 - Electronic Commerce (Certification Service Providers Supervision Scheme) Regulations 2010.

<sup>98</sup> Supplemented by the Electronic Transactions (General) Regulations 2000.

<sup>99</sup> Passed by the Knesset on 25 March 2001 and brought into force six months from the date of publication (s27) on 4 October 2001. The Israeli Securities Law has also been amended to allow electronic certificates to be used: Securities Law (Amendment no. 22) (Electronic Report) 5763-2002; Securities Regulations

## Italy

Legge 25 marzo 1997, n.59 *Delega al Governo per il conferimento di funzioni e compiti alle regioni ed enti locali, per la riforma della Pubblica Amministrazione e per la semplificazione amministrativa*<sup>100</sup>

Decreto del Presidente della Repubblica 28 dicembre 2000, n. 445 *Testo unico delle disposizioni legislative e regolamentari in materia di documentazione amministrativa*<sup>101</sup>

## Ivory Coast

Loi No 2013-546 du 30 Juillet 2013 relative aux transactions électroniques

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(Signature Certificatory) 5763-2003 and Securities Regulations (Electronic Signature and Report) 5763-2003.

<sup>100</sup> (Suppl. ordinario n. 56/L, alla Gazz. Uff. n. 63, del 17 marzo), delegates powers to the Council of Ministers to provide rules and regulations to reform public administration and simplify procedures.

<sup>101</sup> Consolidated text of the legislative and regulatory provisions on administrative documentation) (Suppl. Ordinario alla Gazz. Uff. n. 42 del 20 febbraio 2001). This decree repealed Decreto del Presidente della Repubblica 10 novembre 1997, n. 513 (Gazz. Uff. n. 60 del 13 marzo 1998), which elaborated Law No 15/1997 and implemented the Italian electronic signature legislation, and subsequently modified by Decreto Legislativo 7 marzo 2005, n. 82 *Codice dell'amministrazione digitale* (in Suppl. Ord.n. 93 alla Gazz. Uff., 16 maggio, n. 112); Decreto legislativo 4 aprile 2006, n. 159 *Disposizioni integrative e correttive al decreto legislativo 7 marzo 2005, n. 82, recante codice dell'amministrazione digitale* (in Suppl. ordinario n. 105 alla Gazz. Uff., 29 aprile, n. 99); Decreto Legislativo 30 dicembre 2010, n. 235 *Modifiche ed integrazioni al decreto legislativo 7 marzo 2005, n. 82, recante Codice dell'amministrazione digitale, a norma dell'articolo 33 della legge 18 giugno 2009, n. 69* (in Suppl. ordinario n. 8 alla Gazz. Uff., n. 6 del 10-1-2011); Decreto Legislativo 26 agosto 2016, n. 179 *Modifiche ed integrazioni al Codice dell'amministrazione digitale, di cui al decreto legislativo 7 marzo 2005, n. 82, ai sensi dell'articolo 1 della legge 7 agosto 2015, n. 124, in materia di riorganizzazione delle amministrazioni pubbliche* (in Gazz. Uff. n.214 del 13-9-2016); Decreto Legislativo 13 dicembre 2017, n. 217 *Disposizioni integrative e correttive al decreto legislativo 26 agosto 2016, n. 179, concernente modifiche ed integrazioni al Codice dell'amministrazione digitale, di cui al decreto legislativo 7 marzo 2005, n. 82, ai sensi dell'articolo 1 della legge 7 agosto 2015, n. 124, in materia di riorganizzazione delle amministrazioni pubbliche* (in Gazz. Uff. n.9 del 12-1-2018).

Technical provisions are covered by Decreto del Presidente del Consiglio dei Ministri 22 febbraio 2013 *Regole tecniche in materia di generazione, apposizione e verifica delle firme elettroniche avanzate, qualificate e digitali, ai sensi degli articoli 20, comma 3, 24, comma 4, 28, comma 3, 32, comma 3, lettera b), 35, comma 2, 36, comma 2, e 71* (in Gazz. Uff. Serie Generale n.117 del 21-05-2013) and Decreto del Presidente del Consiglio dei Ministri 13 novembre 2014 *Regole tecniche in materia di formazione, trasmissione, copia, duplicazione, riproduzione e validazione temporale dei documenti informatici nonché di formazione e conservazione dei documenti informatici delle pubbliche amministrazioni ai sensi degli articoli 20, 22, 23-bis, 23-ter, 40, comma 1, 41, e 71, comma 1, del Codice dell'amministrazione digitale di cui al decreto legislativo n. 82 del 2005* (in Gazz. Uff. Serie Generale n.8 del 12-01-2015).

## Jamaica

Electronic Transactions Act, 2006<sup>102</sup>

## Japan

Law Concerning Electronic Signatures and Certification Services (Law No. 102 of 2000)<sup>103</sup>

## Jersey

Electronic Communications (Jersey) Law 2000<sup>104</sup>

## Jordan

Electronic Transaction Law No. 85 of 2001<sup>105</sup>

## Kazakhstan

Law of the Republic of Kazakhstan On Electronic Document and Digital Signature, No 307-II of 7 January 2003

## Kenya

Kenya Communications (Amendment) Act, 2008<sup>106</sup>

## Korea, Republic of

Digital Signature Act No. 5792/1999<sup>107</sup>

## Kuwait

Law No 20 of 2014 Concerning Electronic Transactions<sup>108</sup>

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<sup>102</sup> Passed in the House of Representatives on 4 November 2006.

<sup>103</sup> The date of the Law is 24 May 2000. The date of implementation was 1 April 2001. See also Cabinet Order for the enforcement of the Electronic Signature and Certification Services Act (2000); Act on the Use of Information and Communication Technology in Administrative Procedures, etc. (Law No. 151 of 2004) in respect of enabling law enforcement regulations on the use of information communication technology in administrative procedures pertaining to the Ministry of Internal Affairs and Communications.

<sup>104</sup> Revised edition dated 1 January 2019. Sanctioned by Order of Her Majesty in Council on 11 October 2000, into force on 1 January 2001 by the Electronic Communications (Jersey) Law 2000 (Appointed day) Act 2000. The Electronic Communications (Jersey) Order 2000 was passed to establish a framework for the progressive implementation of Part 3 of the Law. Amended by Electronic Communications (Amendment) (Jersey) Law 2007.

<sup>105</sup> Passed on 31 December 2001, enforceable after three months from the date of publication.

<sup>106</sup> Date of assent 30 December 2008, in force 2 January 2009.

<sup>107</sup> Amended by Act No. 6360, 16 January 2001; Act No. 6585, 31 December 2001; Act No. 7428, 31 March 2005; Act No. 7813, 30 December 2005; Act No. 8852, 29 February 2008; Act No. 9208, 26 December 2008; Act No. 10008, 4 February 2010; Act No. 10465, 29 March 2011; Act No 11690, 23 March 2013; Act No 12762, 15 October 2014; Act No 14577, 14 March 2017; Act No 14839, 26 July 2017.

**Lao People's Democratic Republic**

Law on Electronic Transactions<sup>109</sup>

**Latvia**

Elektronisko dokumentu likums<sup>110</sup>

**Laos**

Law on electronic transactions, 20 NA 2012<sup>111</sup>

**Lebanon**

Law Relating to Electronic Transactions and Personal Data No. 81/2018

**Liberia**

Electronic Transactions Law, 2002<sup>112</sup>

**Liechtenstein**

Gesetz vom 18. September 2003 über elektronische Signaturen (Signaturgesetz; SigG)<sup>113</sup>

**Lithuania**

Elektroninės atpažinties ir elektroninių operacijų patikimumo užtikrinimo paslaugų įstatymas 2018 m. balandžio 26 d. Nr. XIII-1120, įsigaliojo nuo 2018 m. gegužės 9 d.<sup>114</sup>

<sup>108</sup> Entered into force on the date it was published in the Official Gazette, Al Kuwait Al Yowm, Issue 1172, sixtieth year 69, Sunday 23 Rabih Al Akhir 1435 AH, 23 February 2014 AD (article 46).

<sup>109</sup> National Assembly No 032/NA unanimously approved the law on 7 December 2012, and promulgated by the President by decree No 025/POR on 17 January 2013, in force from the date of the decree.

<sup>110</sup> Law on Electronic Documents Act ("LV", 169 (2744), 20.11.2002.; Rapporteur, 23, 12.12.2002) entered into force on 01.01.2003, as amended: 06.05.2004. likums ("LV" 75 (3023), 13.05.2004) [in force on 27.05.2004.]; 28.10.2004. likums ("LV" 178 (3126), 10.11.2004) [in force on 24.11.2004.]; 22.06.2006. likums ("LV" 107 (3475), 07.07.2006) [in force on 21.07.2006.]; 24.05.2007. likums ("LV" 93 (3669), 12.06.2007) [in force on 26.06.2007.]; 24.09.2009 likums ("LV" 160 (4146), 08.10.2009) [in force on 22.10.2009.]; 5 March 2015: 19.03.2015, Nr. 56 (5374); 11 May 2017: 18.05.2017, Nr. 97 (5924), and 7 June 2018: 12.06.2018, Nr. 116 (6202).

<sup>111</sup> Promulgated on 17 January 2013 through the National Assembly.

<sup>112</sup> This Act amends Title 14 of the Liberian Code of Laws Revised, taking effect immediately upon publication in handbills.

<sup>113</sup> The Electronic Signature Act 2003 was published in Lichtensteinisches Landesgesetzblatt on 11 November 2003. An ordinance laying out certain provisions in more detail has been issued: Verordnung vom 1. Juni 2004 über elektronische Signaturen (Signaturverordnung; SigV), published in Liechtensteinisches Landesgesetzblatt Nr. 130/2004 on 8 June 2004.

<sup>114</sup> The Law on Electronic Identification and Trust Services for Electronic Transactions, passed on 26 April 2018, No. XIII-1120, entered into force on 9 May 2018. Repealing Elektroninio parašo įstatymas 2000 m. liepos 11 d. Nr. VII-1822 (The Law on Electronic

**Luxembourg**

Loi du 14 août 2000 relative au commerce électronique modifiant le code civil, le nouveau code de procédure civile, le code de commerce, le code pénal et transposant la directive 1999/93 du 13 décembre 1999 relative à un cadre communautaire pour les signatures électroniques, la directive 2000/31/CE du 8 juin 2000 relative à certains aspects juridiques des services de la société de l'information, certaines dispositions de la directive 97/7/CEE du 20 mai 1997 concernant la vente à distance des biens et des services autres que les services financiers<sup>115</sup>

**Macau Special Administrative Region, People's Republic of China**

Lei n.º 5/2005 Documentos e assinaturas electrónicas<sup>116</sup>

**Macedonia**

Law on Electronic Commerce 2007<sup>117</sup>

**Madagascar**

Loi No 2014-025 Sur la signature électronique<sup>118</sup>

Signature), passed on 11 July 2000, No. VIII-1822, as amended on 6 June 2002, No. IX – 934.

<sup>115</sup> Law of 14 August 2000 on electronic commerce modifying the Civil code, the New Code of civil procedure, the Commercial code, the Criminal code and transposing Directive 1999/93/EC of the European Parliament and the Council of 13 December 1999 on a Community framework for electronic signatures, Directive 2000/31/EC of the European Parliament and the Council of 8 June 2000 on certain legal aspects of information society services, in particular electronic commerce, in the Internal Market (Directive on electronic commerce) and certain provisions of Directive 97/7/EC of the European Parliament and the Council of 20 May 1997 on the protection of consumers in respect of distance contracts. This Law has been amended three times since it entered into force, although the amendments do not affect the provisions relating to electronic signatures. Two Grand-Ducal Decrees have been adopted. Grand-Ducal Decree on electronic signatures, electronic payments and the creation of the Electronic Commerce Committee, adopted on 1 June 2001, and, Grand-Ducal Decree of 21 December 2004, which provides for rules on the notification of the service providers providing qualified certificates, setting up an accreditation system of service providers of certification, creating an Electronic Signature Committee and determining the accreditation procedure of external auditors.

<sup>116</sup> (Law No. 5/2005 Electronic documents and signatures), approved on 20 July 2005, signed on 27 July 2005, entering into force 30 days after the date of publication, which was on 8 August 2005 Número 32 Boletim Oficial da Região Administrativa Especial de Macau — I Série 821.

<sup>117</sup> Adopted by the Assembly of the Republic of on its session held on 26 October 2007, is hereby promulgated. No. 07-4542/1 President 26 October 2007 of the Republic of Macedonia.

<sup>118</sup> Promulgated in Antananarivo on 10 December 2014.

**Malawi**

Electronic Transactions and Cyber Security Act, 2016<sup>119</sup>

**Malaysia**

Digital Signature Act 1997<sup>120</sup>

**Malta**

Electronic Commerce Act 2002<sup>121</sup>

**Mauritania**

Ordonnance n° 2006-031 relative aux instruments de paiement et aux opérations du commerce électroniques<sup>122</sup>

Instruction N° 05/2006 du 19/12/2006 portant mise en application des règles de certification bancaire prévue par l'ordonnance 2006-031 relative aux instruments de paiements et aux opérations du commerce électroniques<sup>123</sup>

**Mauritius**

Electronic Transactions Act 2000<sup>124</sup>

**Mexico**

The Commercial Code (Articles 80 and 89 – 114) and Civil Code (Articles 1803, 1805, 1811 and 1834) have

<sup>119</sup> Date of assent, 20 October 2016; date of promulgation, 4 November 2016, to be brought into force on such date as the Minister may appoint, by notice published in the Gazette.

<sup>120</sup> Amended by the Digital Signature (Amendment) Act 2001. The amendment is solely to transfer the role of the Controller of Certification Authorities to the Malaysian Communications and Multimedia Commission (MCMC). The MCMC is now empowered to exercise, discharge and perform the duties, powers and functions conferred on it under the Digital Signature Act 1997. The Electronic Commerce Act 2006 came into force in Malaysia on 19 October 2006, which provides for legal recognition of electronic messages used in commercial transactions, the use of electronic messages to fulfill legal requirements and to enable, as well as facilitate, commercial transactions by electronic means. See also the Digital Signature Regulations 1998, P.U.(A.) 359/98.

<sup>121</sup> Amended by Acts XXVII of 2002, VII of 2004 and XIII of 2005; Legal Notice 426 of 2007; and Acts XXX of 2007, XII of 2010 and XXXV of 2016. The Minister for Transport and Communications designated the 10 May 2002 as the date when the Act entered force (Legal Notice 109 of 2002) and under the provisions of Legal Notice 110 of 2002, the Malta Communications Authority was nominated as the Competent Authority for the purposes of the Act.

<sup>122</sup> Dated 23 August 2006.

<sup>123</sup> Dated 19 December 2006.

<sup>124</sup> Parts I to V, VII to IX, XI, XIII and section 41 of the Electronic Transactions Act 2000 were brought into force on 1 August 2001 by Presidential Proclamation No. 7 of 2001, 16 July 2001.

been amended to provide for electronic transactions<sup>125</sup>

**Moldova**

Legea Republicii Moldova, cu privire la documentul electronic și semnătura digitală, Nr. 264-XV din 15 iulie 2004<sup>126</sup>

**Monaco**

Loi n° 1.383 du 2 août 2011 sur l'Économie Numérique<sup>127</sup>

**Mongolia**

Law on Electronic Signature 2011

**Montenegro**

Law on Electronic Signature<sup>128</sup>

**Montserrat**

Electronic Transactions Act 2009

**Morocco**

Loi n° 53-05 relative à l'échange électronique de données juridiques<sup>129</sup>

<sup>125</sup> Decreto por el que se reforman y adicionan diversas disposiciones del Código Civil para el Distrito Federal, del Código Federal de Procedimientos Civiles, del Código de Comercio y de la Ley Federal de Protección al Consumidor. Del 23 de mayo de 2000 (D.O. 29 de mayo de 2000), published in the Official Gazette 29 May 2000 and entered into force on 7 June 2000. Amendments were made to the Federal Civil Code, Federal Commercial Code, Federal Civil Procedures Code and the Federal Consumer Protection Law. Further amendments to articles 89 – 114 were published in the Diario Oficial de la Federación (Official Mexican Gazette) on 29 August 2003, and these amendments will be in force in 90 days from the date of publication; most recent revision 7 April 2016. See also Ley de Firma Electrónica Avanzada. Sancionada: 24 noviembre 2011 (on advanced signatures); Reglamento, 19 marzo 2014. Secretaría de la Función Pública. De la Ley de Firma Electrónica Avanzada (on regulating advanced electronic signatures).

<sup>126</sup> (Monitorul Oficial al R.Moldova nr.132-137/710 din 06.08.2004, Data intrării în vigoare: 06.11.2004); Law no. 264 of 15 July 2004 on electronic document and digital signature (Published in the Official Gazette Nr. 132-137, on 06.08.2004, Article No.: 710, date of entry into force: 06.11.2004).

<sup>127</sup> Act No. 1383 of 2 August 2011 on the Digital Economy, Journal de Monaco, Bulletin Officiel de la Principauté No 8029 12 August 2011, sanctioned by Albert II after the National Council adopted the law at its meeting on 13 July 2011.

<sup>128</sup> Official Gazette 55/03 and 31/05; amended by Law on Amendments of Law on Electronic Signature, 2010.

<sup>129</sup> Law No. 53-05 on the electronic legal data, Dahir No. 1-07-129 of 19 kaada 1428 (30 November 2007) promulgating the Law No. 53-05 on the electronic legal data; Official Gazette No. 5584 of Thursday 6 December 2007.

**Myanmar**

Electronic Transactions Law (The State Peace and Development Council Law No. 5/2004)<sup>130</sup>

**Nepal**

Electronic Transactions Act, 2063 (2008)<sup>131</sup>

**Netherlands**

Wet van 8 mei 2003 tot aanpassing van Boek 3 en Boek 6 van het Burgerlijk Wetboek, de Telecommunicatiewet en de Wet op de Economische Delicten inzake elektronische handtekeningen ter uitvoering van richtlijn nr. 1999/93/EG van het Europees Parlement en de Raad van de Europese Unie van 13 december 1999 betreffende een gemeenschappelijk kader voor elektronische handtekeningen (PbEG L 13) (Wet elektronische handtekeningen), Staatsblad 2003, 199<sup>132</sup>

**Netherlands Antilles**

Landsverordening overeenkomsten langs elektronische weg (P.B. 2000, 186)<sup>133</sup>

**New Zealand**

Contract and Commercial Law Act 2017 (2017 No 5)<sup>134</sup>

<sup>130</sup> The 12th Waxing of Kason 1366 M.E. (30th April, 2004); amended by Law No. 6/2014 Law Amending the Electronic Transactions Law; Law No. 73/2015 (Law Amending the Myanmar Evidence Act) making clear the evidential validity of electronic signatures and electronic evidence in legal proceedings.

<sup>131</sup> It seems that the 2008 Act (date of publication 22 Mansir 2063, 8 December 2008) repeals the Electronic Transactions Ordinance, 2005 No. 32 of the year 2061 B.S. [2005 A.D.], Nepal Gazette, Volume 54, Kathmandu, Extraordinary Issue 60, 18 March 2005 (2061/11/28 B.S.) in force immediately it was published in the Gazette, s1(2).

<sup>132</sup> Act of 8 May 2003 for the amendment of Book 3 and Book 6 of the Dutch Civil Code, the Telecommunications Act and Act on Economic Offences for implementation of the Directive no. 1999/93/EC of the European Parliament and of the council of December 13, 1999 on a community framework for electronic signatures (OJ L 13) (Electronic Signatures Act), Bulletin of Acts and Decrees 2003, 199. Article 3 of the Civil Code has been amended: Article 3:15a Legal effects of an electronic signature.

<sup>133</sup> State Ordinance Agreements By Electrical Means 2000. The Netherlands Antilles was dissolved on 10 October 2010, and the islands of Bonaire, Saba and Sint Eustatius are now special municipalities of the Netherlands, and Curaçao and Sint Maarten are now constituent countries within the Kingdom of the Netherlands, so it is probable that the Netherlands law will apply.

<sup>134</sup> This act repealed the Electronic Transactions Act 2002 on 1 September 2017 by section 345(1)(e).

**Nicaragua**

Ley No 729/2010 Ley de Firma Electrónica<sup>135</sup>

**Nigeria**

Evidence Act 2011, section 92<sup>136</sup>

**Norway**

Lov om gjennomføring av EUs forordning om elektronisk identifikasjon og tillitstjenester for elektroniske transaksjoner i det indre marked (lov omelektroniske tillitstjenester) av 15. juni 2018 nr. 44<sup>137</sup>

**Oman**

Electronic Transactions Law<sup>138</sup>

**Pakistan**

Electronic Transactions Ordinance, 2002

**Panama**

Ley No 43 de 31 de julio de 2001 Que define y regula los documentos y firmas electrónicas y las entidades de certificación en el comercio electrónico, y el intercambio de documentos electrónicos<sup>139</sup>

Ley 2008 – 51 sobre Lod Documentos Electronicos Y Las Firmas Electronicas

**Papua New Guinea**

Evidence (Amendment) Act 2016<sup>140</sup>

<sup>135</sup> Electronic Signature Law No 729/2010, published in La Geceta, Diario Oficial, No 165 on 30 August 2010; Decreto No. 57-2011, Aprobado el 24 de Octubre del 2011, published in La Gaceta No. 211 on 8 November 2011, establishing provisions for the implementation of Law 729/2010.

<sup>136</sup> See also section 84 and the definition of 'computer' and 'documents', section 258(1).

<sup>137</sup> Act on the implementation of the EU Regulation on electronic identification and trust services for electronic transactions in the internal market (law on electronic trust services) of 15 June 2018 No. 44, promulgated and commencing on 15 June 2018, repealing Lov om elektronisk signatur (esignaturloven) av 15. juni 2001 nr. 81.

<sup>138</sup> Royal Decree No. 69/2008 Promulgating the Electronic Transactions Law, Gazette Issue no (864).

<sup>139</sup> Promulgated in the Official Gazette No. 24, 359 of 3 August 2001.

<sup>140</sup> Passed by the National Parliament on 11 August 2016; see also Decreto Supremo N° 026-2016-PCM, 28 abril 2016. Presidencia del Consejo de Ministros. Aprueban medidas para el fortalecimiento de la infraestructura oficial de firma electrónica y la implementación progresiva de la firma digital en el Sector Público y Privado (approval of measures to strengthen the official electronic signature infrastructure and the implementation of digital signatures in the

## Paraguay

Ley Nº 4.017/10 de validez juridical de la firma electrónica, la firma digital, los mensajes de datos y el expediente electrónico<sup>141</sup>

## Peru

Ley No 27269 Ley de Firmas y Certificados Digitales<sup>142</sup>

Ley No 27291<sup>143</sup>

## Philippines

Electronic Commerce Act of 2000<sup>144</sup>

## Poland

Ustawa z dnia 5 września 2016 r. o usługach zaufania oraz identyfikacji elektronicznej<sup>145</sup>

public and private sector); Modifica el Decreto Supremo Nº 052-2008-PCM, Reglamento de la Ley de Firmas y Certificados Digitales (modification of the regulation of digital signatures and certificates).

<sup>141</sup> Law no 4.017/10 legal validity of electronic signatures, digital signatures, data messages and electronic records; see also Decreto Nº 7.369, 23 septiembre 2011. Ministerio de Industria y Comercio. Por el cual se aprueba el reglamento general de la Ley Nº 4017 "De validez jurídica de la firma electrónica, la firma digital, los mensajes de datos y el expediente electrónico (approval of the legal validity of electronic signatures, the digital signatures, data messages and electronic files); Ley Nº 4.610. Que modifica y amplía la Ley Nº 4017/10 "De validez jurídica de la firma electrónica, la firma digital, los mensajes de datos y el expediente electrónico (modifies and expands Law No. 4017/10).

<sup>142</sup> Approved by Congress on 26 May 2000 and implemented (reglamentada) by Supreme Decree No. 019-2002-JUS of 17 May 2002, published in the Official Gazette of 18 May 2002. Artículo 4 and Artículo 7 were later amended by Supreme Decree No. 024-2002-JUS of 11 July 2002, published in the Official Gazette of 12 July 2002. Artículo 11 was subsequently amended by Ley Que Modifica el Artículo 11 de la Ley No 27310, approved by Congress on 15 July 2000. See also Resolución Comisión de Reglamentos Técnicos Y Comerciales No 0103-2003-CRT-INDECOPI of 23 October 2003 (the Commission of Technical and Commercial Implementing Rules) makes reference to article 33 of the Implementing Regulations as appeared in Supreme Decree No. 019-2002-JUS of 17 May 2002. These new regulations are related to the accreditation of entities that are authorized to certify or verify digital signatures. The law was further amended by Ley nº 27310 ley que modifica el artículo 11º de la ley nº 27269.

<sup>143</sup> Published on 24 June 2000. Modified the Peruvian Civil Code of 1984 to permit, among other aspects, the use of electronic means to express the will and the corresponding use of the electronic signature.

<sup>144</sup> Republic Act No 8792.

<sup>145</sup> Act of 5 September 2016 on Trust Services and Electronic Identification) (Journal of Laws 2016, item 1579); released on 5 September 2016, in force on 7 October 2017, appealing Ustawa z dnia 18 września 2001 r. o podpisie elektronicznym (Dz.U. z 2001, Nr 130, poz. 1450) (Law of 2001.09.18 on electronic signature (Journal of Laws 2001, No. 130, item 1450)) entered into force 16 August 2002.

## Portugal

Decreto-Lei n.º 290-D/99, de 2 de Agosto - Aprova o regime jurídico dos documentos eletrónicos e da assinatura digital<sup>146</sup>

## Qatar

Decree Law No (16) of 2010 Electronic Commerce and Electronic Transactions Law<sup>147</sup>

## Romania

Lege nr. 455 din 18 iulie 2001 privind semnătura electronică<sup>148</sup>

## Russian Federation

Federal Law No. 63-FZ 06.04.2011 on Electronic Signatures<sup>149</sup>

<sup>146</sup> Seen and approved in the Council of Ministers on the 22 July 1999. Enacted on the 29 July 1999. Approved on the 29 July 1999 by the President of the Republic. Published in Diário da República no. 178 (Series I-A) 1999-08-02, 4990(2). Entered into force the day after it was published. Amended by: Decreto-Lei n.º 88/2009, de 9 de Abril (altera os artigos 5.º, 28.º, 29.º, 38.º e 40.º / adita os artigos 36.º-A, 36.º-B e 36.º-C / altera a epígrafe do capítulo IV / republicação). Regulated by: Decreto Regulamentar n.º 25/2004, de 15 de Julho (state electronic certification system – Public Key Infrastructure); Decreto-Lei n.º 116-A/2006, de 16 de Junho – procede à criação do Sistema de Certificação Electrónica do Estado – Infra-Estrutura de Chaves Públicas e designa a Autoridade Nacional de Segurança como autoridade credenciadora nacional, which creates an Electronic Certification system and designates *Autoridade Nacional de Segurança* as the national accrediting authority; amended by Decreto-Lei n.º 88/2009, de 9 de Abril (altera os artigos 1.º, 3.º, 4.º, 5.º, 7.º e 8.º / revoga os nºs 2 e 3 do artigo 7.º / republicação). Currently regulated by: Portaria n.º 1350/2004, de 23 de Outubro – determina os termos a que obedece o registo das entidades certificadoras que emitem certificados qualificados; Portaria n.º 597/2009, de 4 de Junho – estabelece os termos a que obedece o registo das entidades certificadoras que emitem certificados qualificados. Despacho 155/2017 Criação de assinaturas eletrónicas à distância, com gestão por um prestador qualificado de serviços de confiança em nome do signatário (concerns the creation of distance electronic signatures, managed by a qualified provider of trusted services on behalf of the signatory under the EU Regulation). Note: Decreto-Lei n.º 136/2017 de 6 de novembro, which amends the Organic Law of the *Gabinete Nacional de Segurança*.

<sup>147</sup> Promulgation was enacted by Emiri Decree on 9/91431 A.H., 19 August 2010 A.D.

<sup>148</sup> (Law no 455 of 18 July 2001 on electronic signatures). Publicat în Monitorul Oficial, Partea I nr. 429 din 31 iulie 2001. Modified and re-published on 30 April 2014. The EU Regulation repealed the EU Directive, which applied directly to all EU Member States, and Romania relies on the Regulation, and domestic legislation relating to certification services supplements the Regulation. Law no. 451/2004 on time-stamping remains in force and has not been repealed or amended; Law no. 589/2004 on electronic notary activities remains in force and has not been repealed or amended.

<sup>149</sup> Repealed Federal Law No. 63-FZ on electronic signatures, which in turn was adopted by the State Duma on 25 March 2011 and approved by the Federation Council approved on 30 March 2011, which repealed Federal Law No. 1-FZ on Electronic Digital Signature, which was published on 12 January 2002. Article 160

Federal Law N 445-FL 30.12.2015 on Changes in the Federal Law on Electronic Signatures

Federal Law No. 149-FZ Information, Information Matters and Protection of Information<sup>150</sup>

## Rwanda

No 18/2010 ryo kuwa 12/05/2010 Itegeko ryerekeye ubutumwa koranabuhanga, umukono koranabuhanga n'iherekanya koranabuhanga<sup>151</sup>

## Saint Christopher and Nevis

Electronic Transactions Act 2011<sup>152</sup>

## Saint Lucia

Electronic Transactions Act 2011<sup>153</sup>

## Saint Vincent and the Grenadines

Electronic Transactions Act 2007

## Samoa

Electronic Transactions Act 2008 (Consolidated 2018)

## San Marino

Legge 20 luglio 2005, n. 115 sul documento informatico e la firma elettronica<sup>154</sup>

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Written Form of Deals of the Federal Law No. 51-FZ (first published on 5 December 1994; the latest changes and additions made on 29 December 2006) has been amended, and provides for the use of electronic signatures in contract. The third paragraph of Article 75 of Federal Law No. 95-FZ (Arbitral Code) (first published on 24 July 2002 with changes and additions made on 28 July 2004, 2 November 2004, 31 March 2005 and 27 December 2005) provides that documents, received by means of facsimile, electronic or any other communication, as well as documents signed by digital signature are considered acceptable as written documents in cases and in the course envisaged by the Russian Legislation.

<sup>150</sup> Published on 27 July 2006. The third paragraph of Article 11 of this law provides that an electronic message signed by a digital signature or other means analogous to handwritten signature is declared as an electronic document equivalent to a document signed with the handwritten signature, provided that there is no request that this document shall be in a hard copy.

<sup>151</sup> Official Gazette No 20 of 17/05/2010 (No 18/2010 of 12/05/2010 Law relating to electronic messages, electronic signatures and electronic transactions; No 18/2010 du 12/05/2010 Loi relative aux messages électroniques, signatures électroniques et transactions électroniques).

<sup>152</sup> No 9 of 2011, passed by the National Assembly on 17 March 2011, published on 14 April 2011, Official Gazette No. 18 of 2011.

<sup>153</sup> No 16 of 2011, passed in the Senate on 24 March 2011; assent by the Governor-General on 6 April 2011; in force on a day to be fixed by the Minister by order in the Gazette (article 1(2)).

<sup>154</sup> Law of 20 July 2005, no 115 on the electronic document and electronic signature – this law applies to exchanges with and within the public service.

Legge 29 maggio 2013 n.58 – Legge sull'uso delle comunicazioni elettroniche e dell'e-commerce<sup>155</sup>

Decreto 8 novembre 2005 n.156 Regole tecniche per la formazione, la trasmissione, la conservazione, la duplicazione, la riproduzione e la validazione, anche temporale, dei documenti informatici<sup>156</sup>

## Sark

Electronic Transactions (Sark) Law, 2001 (Consolidated text)<sup>157</sup>

## Saudi Arabia

Electronic Transactions Law<sup>158</sup>

Regulation for Electronic Signatures in Law<sup>159</sup>

## Seychelles

Electronic Transactions Act 2001<sup>160</sup>

## Singapore

Electronic Transactions Act Chapter 88<sup>161</sup>

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<sup>155</sup> Law 29 May 2013 no. 58 – Law on the use of electronic communications and of e-commerce, gazetted on 29 May 2013, entry into force 3 June 2013 – this law applies to communications exchanged between private parties (article 30 repeals article 2(1) of Legge 20 luglio 2005, n. 115 sul documento informatico e la firma elettronica).

<sup>156</sup> Decree of 8 November 2005 n.156, Technical rules for the creation, transmission, storage, duplication, reproduction, and validation, even temporarily, of electronic documents.

<sup>157</sup> No. X of 2001 (Ordres en Conseil Vol. XLI, p. 273); as amended by the Sark General Purposes and Advisory Committee (Transfer of Functions) Ordinance, 2001 (Sark Ordinance No. 125); the Sark General Purposes and Advisory and Finance and Commerce Committees (Transfer of Functions) Ordinance, 2015 (Sark Ordinance No. II of 2015); the Electronic Transactions (Commencement and Cheque Imaging) (Sark) Ordinance, 2017 (Sark Ordinance No. XII of 2017); the Sark Policy and Performance Committee and Sark Finance and Resources Committee (Transfer of Functions) Ordinance, 2018 (Sark Ordinance No. XIII of 2018).

<sup>158</sup> Royal Decree No. M/8, 8 Rabi' I- 1428H – 26 March 2007.

<sup>159</sup> The Saudi Government through the Ministry of Councils issued this regulation in mandate on 26 March 2007.

<sup>160</sup> Signed by the President on 30 July 2001, Supplement to the Official Gazette, 6 August 2001, 37. Consolidated to 31 December 2015.

<sup>161</sup> 1999 Revised Edition—Electronic Transactions Act (Chapter 88), date of operation 30 December 1999; Act 54 of 2004—Electronic Transactions (Amendment) Act 2004, in force 1 January 2005; Act 16 of 2010—Electronic Transactions Act 2010, in force 1 July 2010 – Note relating Act 16 of 2010: the Electronic Transactions Act 2010 repealed and re-enacted with amendments the Electronic Transactions Act (Chapter 88, 1999 Revised Edition); 2011 Revised Edition—Electronic Transactions Act (Chapter 88), in force 31 December 2011; Act 26 of 2012—Personal Data Protection Act 2012, in force 2 January 2013.

**Slovak Republic**

ZÁKON z 20. septembra 2016 o dôveryhodných službách pre elektronické transakcie na vnútornom trhu a o zmene a doplnení niektorých zákonov (zákon o dôveryhodných službách) Národná rada Slovenskej republiky sa uzniesla na tomto zákone 272/2016

Zakon c. 215/2002 Z.z. o elektronickom podpise a o zmene a doplnení niektorých zákonov<sup>162</sup>

**Slovenia**

Zakon o elektronskem poslovanju in elektronskem podpisu (ZEPEP)<sup>163</sup>

**South Africa**

Electronic Communications and Transactions Act, 2002<sup>164</sup>

**Spain**

Ley 59/2003, de 19 de diciembre, de firma electrónica<sup>165</sup>

**Sri Lanka**

Electronic Transactions Act, No 19 of 2006<sup>166</sup>

<sup>162</sup> Law of 20 September 2016 on Trust Services for Electronic Transactions in the Internal Market and on Amendments and Supplements to Certain Acts (Trust Services Act), repealing Zakon c. 215/2002 Z.z. o elektronickom podpise a o zmene a doplnení niektorých zákonov (Electronic Signature Law, as amended), in force 28 February 2017.

<sup>163</sup> (Official Gazette of the Republic of Slovenia, No. 98/04 – official consolidated text, 61/06 – ZEPT and 46/14). Replaces Zakon o elektronskem poslovanju na trgu, Uradni list Republike Slovenije št. 61/2006 (Electronic Commerce Market Act), published in Official Gazette of the Republic of Slovenia, Nr. 61/2006, on 13 June 2006, and in force since 28 June 2006.

<sup>164</sup> In force on 30 August 2002, Government Gazette, 30 August 2002 No 23809, 2.

<sup>165</sup> Boletín Oficial del Estado (Official State Gazette) of 20 December 2003, No. 304. This law acts to strengthen the existing legal framework by incorporating modifications to and repealing the Real Decreto-Ley 14/1999, de 17 de septiembre, sobre firma electrónica; amended several times, the latest of which is dated 2 October 2016; see also Real Decreto N° 4/2010, 8 enero 2010. Ministerio de la Presidencia. Por el que se regula el Esquema Nacional de Interoperabilidad en el ámbito de la Administración Electrónica. Publicado: 29 enero 2010 (national interoperability scheme); Resolución, 19 julio 2011. Ministerio de Política Territorial y Administración Pública. De la Secretaría de Estado para la Función Pública, por la que se aprueba la Norma Técnica de Interoperabilidad de Política de Firma Electrónica y de certificados de la Administración (technical issues regarding interoperability of electronic signatures).

<sup>166</sup> Amended by the Electronic Transactions (Amendment) Act, No. 25 of 2017.

**Sudan**

Electronic Transactions Act, 2007

**Sweden**

Lag (2016:561) med kompletterande bestämmelser till EU:s förordning om elektronisk identifiering<sup>167</sup>

**Switzerland**

Bundesgesetz über Zertifizierungsdienste im Bereich der elektronischen Signatur und anderer Anwendungen digitaler Zertifikate (Bundesgesetz über die elektronische Signatur, ZertES)<sup>168</sup>

**Syria**

Law No 4 of 2009 on Electronic Signatures

**Taiwan**

Electronic Signatures Law 2001<sup>169</sup>

**Tajikistan**

Law on Electronic Document<sup>170</sup>

**Tanzania**

Electronic Transactions Act, 2015<sup>171</sup>

**Thailand**

Electronic Transaction Act (No.2) BE 2551 (2008)<sup>172</sup>

<sup>167</sup> The EU Regulation has replaced Lag (2000:832) om kvalificerade elektroniska signaturer (Qualified Electronic Signatures Act (SFS 2000:832), and supplemented by the (Law (2016: 561) with supplementary provisions to the EU regulation on electronic identification.

<sup>168</sup> Federal law on certification services in the field of electronic signature and other applications of digital certificates (Federal Law on Electronic Signature, ZertES), amended 18 March 2016, in force 1 January 2017. A number of ordinances and directives on electronic signatures apply to certification services.

<sup>169</sup> The law was promulgated on 14 November 2001 under Presidential Order No. Hua-Tsung-I-Yi-9000223510, and became effective on 1 April 2002 under Executive Yuan Order No. Yuan-Yi-Jing-0910080314.

<sup>170</sup> Only available in the Russian language.

<sup>171</sup> Passed in the National Assembly on 1 April 2015. Published in the Gazette of the United Republic of Tanzania, No. 22 Vol. 96, 22 May 2015.

<sup>172</sup> Published in the Government Gazette on 13 February 2008, taking effect on 14 February 2008, amending the Electronic Transactions Act B.E. 2544 (2001), Government Gazette, Decree Issue, Volume 118, Part 112 Kor., 4 December 2001, in force on 3 April 2002, 120 days after publication.



**Tonga**Evidence (Amendment) Act 2003<sup>173</sup>**Trinidad and Tobago**Electronic Transactions Act, 2011<sup>174</sup>**Tunisia**Loi n° 2000-83 du 9 août 2000 relative aux échanges et au commerce électroniques<sup>175</sup><sup>173</sup> Passed in the Legislative Assembly on 20 October 2003.<sup>174</sup> Act No. 6 of 2011, passed in the House of Representatives on 11 February 2011, passed in the Senate on 5 April 2011 and the amendments by the Senate agreed to by the House of Representatives on 18 April 2011, assented to on the 28 April 2011, (Gazette, Volume 50, Number 61, 3 May 2011. Parts I, II, III and IV entered into force on 6 January 2012 (Proclamation of the President No 1 of 2012, Legal Notice No 1 dated 5 January 2012); Part VII entered into force on 18 January 2012 (Proclamation of the President No 3 of 2012, Legal Notice No 8 dated 18 January 2012).<sup>175</sup> Law No 83/2000 dated 9 August 2000 Concerning Electronic Trade and Commerce, JORT n° 64 du 11 août 2000 p. 1887. Corresponding amendments have been made to the Penal Code on 2 August 1999 (Loi n° 99-89 du 02 août 1999 modifiant et complétant certaines dispositions du code pénal, JORT n° 63 du 06 août 1999, p. 1283), the Civil Code on 13 June 2000 (Loi n° 2000-57 du 13 juin 2000 modifiant et complétant certains articles du code des obligations et des contrats, JORT n° 48 du 16 juin 2000, p. 1456-1457) and the Commercial Code on 20 June 2000; also see Décrets issued: Décret n° 2000-2331 du 10 octobre 2000, fixant l'organisation administrative et financière et les modalités de fonctionnement de l'Agence Nationale de Certification Electronique (J.O.R.T n°85 du 24 octobre 2000) (Decree no. 2000-2331 of 10 October 2000, setting out the administrative and financial organization and operating methods of the National Digital Certification Agency (JORT no. 85 of 24 October 2000)); Décret n° 2001-1667 du 17/07/2001, portant approbation du cahier des charges relatif à l'exercice de l'activité de fournisseur de services de certification électronique, JORT n° 60, 27 juillet 2001, pp. 1846-1847 (Decree no. 2001-1667 of 17 July 2001, approving the specifications book on the practice of the activity of Digital Certification Service Provider (JORT no. 60 of 27 July 2001)); Décret n° 2001-1668 du 17/07/2001, fixant les procédures d'obtention de l'autorisation d'exercice de l'activité de fournisseur de services de certification électronique, JORT n° 60, 27 juillet 2001, pp. 1849-1850 (Decree no. 2001-1668 of 17 July 2001, setting out procedures for obtaining a permit to practice the activity of Digital Certification Service Provider (JORT no. 60 of 27 July 2001)); Décret n° 2001-2727 du 20 novembre 2001, fixant les conditions et les procédures d'utilisation des moyens ou des services de cryptage à travers les réseaux des télécommunications, ainsi que l'exercice des activités y afférentes (J.O.R.T n° 95 du 27 novembre 2001) (Decree no. 2000-2727 of 20 November 2001, setting out the conditions and procedures of use of encryption means or services through the telecommunications networks, as well as the practice of activities relating to this (JORT no. 95 of 27 November 2001). Arrêtés issued: Arrêté du ministre des technologies de la communication du 19 juillet 2001, fixant les caractéristiques techniques du dispositif de création de la signature électronique, JORT N° 60 du 27 juillet 2001 p. 1851 (Order 1 of the Minister of Communication Technologies of July 19, 2001, fixing the design features of the device of creation of electronic signature (JORT no. 60, 27 July 2001)); Arrêté du ministre des technologies de la communication du 19 juillet 2001, fixant les données techniques relatives aux certificats électroniques et leur fiabilité, JORT N° 60 du 27 juillet 2001 p. 1851 (Order 2 of the Minister for Technologies of the Communication of 19 July 2001, fixing the technical data relating to the electronic certificates and their**Turkey**Elektronik İmza Kanunu No 5070<sup>176</sup>**Turkmenistan**Law on Electronic Document<sup>177</sup>**Turks and Caicos Islands**Electronic Transactions Ordinance 2000<sup>178</sup>**Uganda**Electronic Transactions Act, 2011<sup>179</sup>**Ukraine**Про електронні довірчі послуги № 2155-VIII від 5 жовтня 2017 року<sup>180</sup>**United Arab Emirates**Federal Law 1/2006 Concerning Electronic Transactions and Commerce Law<sup>181</sup>

reliabilities (J.O.R.T. no 60 27 July 2001)); Arrêté du 26 décembre 2003 (JORT n°2 du 6 Janvier 2004, p48): fixant les listes des produits soumis contrôle technique à l'importation et à l'exportation (Journal Officiel de la République Tunisienne, 6 janvier 2004) (Order of 26 December 2003 Defining the list of products subject to technical control (JORT no. 2 of 6 November 2004)).

<sup>176</sup> (Electronic signature law), published in the Official Gazette on 23 January 2004 and entered into force on 22 July 2004. Regulation Elektronik İmza Kanununun Uygulanmasına İlişkin Usul ve Esaslar Hakkında Yönetmelik (Regulation regarding the Procedures and Principles on the Implementation of the Electronic Signature Law) published in the Official Gazette dated 6 January 2005, number 25692 aims to regulate the legal and technical aspects of digital signatures and their implementation in practice. Communiqué Elektronik İmza ile İlgili Süreçlere ve Teknik Kriterlere İlişkin Tebliğ (Processes and Technical Criteria relating to Electronic Signatures) published in the Official Gazette dated 6 January 2005, number 25692 aims to determine the procedures and technical criteria that need to be fulfilled with respect to digital signatures.<sup>177</sup> Only available in the Russian language.<sup>178</sup> In force on 31 August 2001 by Legal Notice 42 of 2001 Legal Notice 42 of 2001 in Gazette Volume 152 Number 41; revised 31 December 2014.<sup>179</sup> Appears to repeal the 2008 act.<sup>180</sup> (On Electronic Trust Services No 2155-VIII of 5 October 2017) Bulletin of the Verkhovna Rada of Ukraine (VVR), 2017, No. 45, p.400. Repealed Про електронний цифровий підпис, No. 852-IV of 22 May 2003 (On the electronic digital signature No. 852-IV of 22 May 2003) Bulletin of the Verkhovna Rada of Ukraine (VVR), 2003, No. 36, p.276, amended by № 879-VI від 15.01.2009, BBP, 2009, № 24, ст.296; № 5284-VI від 18.09.2012, BBP, 2013, № 37, ст.488; № 222-VIII від 02.03.2015, BBP, 2015, № 23, ст.158; № 1666-VIII від 06.10.2016, BBP, 2016, № 47, ст.800.<sup>181</sup> Federal Law No. 36 of 2006 amends the law of Proof in Civil and Commercial Transactions (promulgated by Federal Law No 10 of 1992) and also reviews Federal Law No. 1 of 2006, and possibly repeals Electronic Transactions and Commerce Law No. 2 of 2002.

**United Kingdom<sup>182</sup>**

Electronic Communications Act 2000<sup>183</sup>

**United States of America****Federal**

Electronic Signatures in Global and National Commerce Act (E-SIGN), 15 U.S.C. §§ 7001-7003<sup>184</sup>

**State****Alabama**

Alabama Uniform Electronic Transactions Code, Ala. Rev. Code Ann. §§ 8-1A-1 to 8-1A-20

**Alaska**

Electronic Records and Signatures Act, Al. Stat. §§ 09.25.510

**Arizona**

Uniform Electronic Transactions Act, Ariz. Rev. Stat. Ann. §§ 44-7001 to 44-7051

<sup>182</sup> Compromises three separate jurisdictions: England and Wales, Scotland and Northern Ireland.

<sup>183</sup> The Act received the Royal Assent on 25 May 2000, and extends to Northern Ireland by s16(5). Sections 7, 11 and 12 came into force on 25 July 2000 in accordance with the provisions of the Electronic Communications Act 2000 (Commencement No 1) Order 2000 (SI 2000 No 1798). Amended by The Electronic Identification and Trust Services for Electronic Transactions Regulations 2016, Statutory Instrument 2016 No. 696 (made on 30 June 2016; Laid before Parliament 1 July 2016; into force on 22 July 2016), and The Electronic Identification and Trust Services for Electronic Transactions (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/89), made on 22 January 2019, laid before Parliament 23 January 2019, coming into force in accordance with regulation 1 (that is, on exit day).

<sup>184</sup> E-SIGN will govern many, but not all, transactions in which electronic signatures are used. It pre-empts state laws to the extent that if there is any conflict between the federal and state law, unless (1) the state has enacted the Uniform Electronic Transactions Act or (2) the state has adopted law which is congruent with E-SIGN. The Uniform Electronic Transactions Act is not itself law, except as adopted by individual states. At the time of writing, at least 43 states have adopted UETA. President Clinton signed Senate Bill 761 on 30 June 2000 with the private key of a digital signature, stored on a smart card. It does not appear that there was any enabling legislation to enable the President to sign the Bill other than with a manuscript signature. Section 7 of the United States Constitution provides that for a Bill to become a law, it must be presented to the President of the United States, and 'If he approve he shall sign it'. Given that the Constitution was written some time before electricity, the implication is that the President must sign a Bill with a manuscript signature. This means either (a) the Electronic Signatures in Global and National Commerce Act is not valid for lack of form, or (b) it is valid, but superfluous, because both the case law before the Bill was enacted and the signing of the Bill by the President with the private key of a digital signature demonstrated that no law was required.

**Arkansas**

Uniform Electronic Transactions Act, Ark. Code Ann. §§ 25-31-101 to 25-32-121

**California**

Uniform Electronic Transactions Act, Cal. Civ. Code § 1624.5, §§ 1633.1 to 1633.17

**Colorado**

Government Electronic Transactions Act, Colo. Rev. Stat. Ann. §§ 24-71-101 to 71.3-121

**Connecticut**

Connecticut Uniform Electronic Transactions Act, Conn. Gen. Stat. Ann. §§ 1-266 to 1-286

**Delaware**

Uniform Electronic Transactions Act, Del. Cod Ann. Tit. 6, §§ 12A-101 to 12A-117

**District of Columbia**

Uniform Electronic Transactions Act, D.C. Code Ann. §§ 28-4901 to 4918

**Florida**

Uniform Electronic Transactions Act, Fla. Stat. Ann. §§ 668.50 to 668.50

**Georgia**

Georgia Electronic Records and Signatures Act, Ga. Code Ann. §§ 10-12-1 to 10-12-5

**Hawaii**

Uniform Electronic Transactions Act, Haw. Rev. Stat. §§ 489E-1 to HRS § 489E-18

**Idaho**

Uniform Electronic Transactions Code, Idaho Code Ann. §§ 28-50-101 to 28-50-120

**Illinois**

Electronic Commerce Security Act, 5 Ill. Comp. Stat. §§ 175/5-101 to 175/99-1

**Indiana**

Uniform Electronic Transactions Act, Ind. Code Ann. §§ 26-2-8-101 to 26-2-8

## TABLE OF ELECTRONIC SIGNATURE LEGISLATION

### Iowa

Uniform Electronic Transactions Act, Iowa Code Ann.  
§§ 554D.101 to 554D.123

### Kansas

Uniform Electronic Transactions Act, Kan. Stat. Ann.  
§§ 16-1601 to 16-1620

### Kentucky

Uniform Electronic Transactions Act, Ky. Rev. Stat.  
Ann. §§ 369.101 to 369.120

### Louisiana

Uniform Electronic Transactions Act, La. Rev. Stat.  
Ann. §§ 9:2601 to 9:2620

### Maine

Uniform Electronic Transactions Act, Me. Rev. Stat.  
Ann. Tit. 10, §§ 9401 to 9507

### Maryland

Uniform Electronic Transactions Act, Md. Code Ann.,  
Com. Law II §§ 21-101 to 21-120

### Massachusetts

Uniform Electronic Transactions Act, ALM GL ch.  
110G, § 1 to § 18

### Michigan

Uniform Electronic Transactions Act, Mich. Comp.  
Laws Ann. §§ 450.831 to 450.849

### Minnesota

Uniform Electronic Transactions Act, Minn. Stat. Ann.  
§§ 325L.01 to 325L.19

### Mississippi

Mississippi Electronic Transactions Act, Miss. Code  
Ann. §§ 75-12-1 to 75-12-39

### Missouri

Uniform Electronic Transactions Act, Mo. Rev. Stat.  
Ann. 432.200 to 432.295

### Montana

Uniform Electronic Transactions Act, Mont. Code Ann.  
§§ 30-18-101 to 30-18-118

### Nebraska

Uniform Electronic Transactions Act, Neb. Rev. Stat.  
§§ 86-611 to 86-643

### Nevada

Uniform Electronic Transactions Act, Nev. Rev. Stat.  
Ann. §§719.010 to 719.350

### New Hampshire

Uniform Electronic Transactions Act, N.H. Rev. Stat.  
Ann. §§ 294-E:1 to 294-E:20

### New Jersey

New Jersey Electronic Transactions Act, N.J. Stat. Ann.  
§§ 12A:12-1 to 12A:12-26

### New Mexico

Electronic Authentication of Documents Act, N.M.  
Stat. Ann. §§ 14-16-1 to 14-16-19

### New York

Electronic Signatures and Records Act, N.Y. State  
Technology Law §§ 301 to 309

### North Carolina

Uniform Electronic Transactions Act, N.C. Gen. Stat.  
Ann. §§ 66-308 to 66.328

### North Dakota

Uniform Electronic Transactions Act, N.D. Cent. Code  
§§ 9-16-01 9-16-18

### Ohio

Uniform Electronic Transactions Act, Ohio Rev. Code  
Ann. §§ 11306.01 to 1306.23

### Oklahoma

Uniform Electronic Transactions Act, Okla. Stat. Ann.  
Tit. 12A §§ 15-101 to 15-121

### Oregon

Uniform Electronic Transactions Act, Or. Rev. Stat. §§  
84.001 to 84.064

### Pennsylvania

Uniform Electronic Transactions Act, Pa. Stat. Ann. Tit.  
73, §§ 2260.101 to 2260.903

**Commonwealth of Puerto Rico**<sup>185</sup>

Ley de Firmas Electrónicas de Puerto Rico, Ley número 155 de 25 de octubre de 2010<sup>186</sup>

**Rhode Island**

Uniform Electronic Transactions Act, R.I. Code R. §§ 42-127.1-1 to 42-127.1-20

**South Carolina**

Electronic Commerce Act, S.C. Code Ann. §§ 26-5-10 to 26-6-190

**South Dakota**

Uniform Electronic Transactions Act, S.D. Codified Laws §§ 53-12-1 to 53-12-05

**Tennessee**

Uniform Electronic Transactions Act, Tenn. Code Ann. §§ 47-10-101 to 47-10-123

**Texas**

Uniform Electronic Transactions Act, Texas Bus. & Com. Code Ann. §§ 43-001 to 43-021

**Utah**

Uniform Electronic Transactions Act, Utah Code Ann. §§ 46-4-101 to 46-4-503<sup>187</sup>

**Vermont**

Vermont Electronic Transactions Act, Vt. Stat. Ann. 9 §§ 270 to 290

**Virgin Islands**

Uniform Electronic Transactions Act, Virgin Islands Code, §§ 101 to 120

**Virginia**

Uniform Electronic Transactions Act, Va. Code Ann. §§ 59.1-479 to 59.1-497

**Washington**

<sup>185</sup> The Commonwealth of Puerto Rico is an unincorporated territory of the United States of America.

<sup>186</sup> Repealed Ley de Firmas Electrónicas de Puerto Rico, Ley número 359 de Septiembre 16, 2004.

<sup>187</sup> The Utah Digital Signature Act, Utah Code §§ 46-3-101, was repealed by the Repeal of Utah Digital Signature Act S.B. 20. The governor signed the Act on 10 March 2006.

Electronic Authentication Act, Rev. Code of Wash. Ann. §§ 19.34.010 to 19.34.903

**West Virginia**

West Virginia Electronic Transactions Act, W.V. Code §§ 39A-1-1 to 39A-1-17; 39A-2-1 to 39A-2-12

**Wisconsin**

Wisconsin Electronic Transactions Act, Wis. Stat. Ann. §§ 137.01, 137.04 to 137.06

**Wyoming**

Uniform Electronic Transactions Act, Wyo. Stat. Ann. §§ 40-21-101 to 40-21-119

**Uganda**

Electronic Transactions Act, 2008<sup>188</sup>

**Uruguay**

Ley N° 18.600 de 21.09.009 Documento Y Firma Electrónica<sup>189</sup>

**Vanuatu**

Electronic Transactions Act No 24 of 2000 (Consolidated 2006)<sup>190</sup>

**Venezuela**

Decreto con Fuerza de Ley No.1.204 Sobre Mensajes de Datos y Firmas Electrónicas<sup>191</sup>

<sup>188</sup> The Bill passed the third reading on 6 October 2010: Parliament of Uganda eNewsletter Vol. 4 Issue No. 13 Monday October 4, 2010 – Friday October 8, 2010.

<sup>189</sup> Published OJ 5 nov/009 – No. 27850; most recently modified by Ley N° 19.355, 19 diciembre 2015. This law amplifies previous changes as noted in Ley No 16.002, published in the Official Gazette on 13 dic/988 – No 22764, articles 129 and 130 provide for the acceptance of documents sent electronically, taking into account the fact that the original document came into existence electronically; Ley No 16.736, published in the Official Gazette on 12 jan/996 – N° 24457, articles 694 to 697 provide for electronic signatures to be used in matters relating to the government. Regulated by Decree N° 65/998; Ley No 17.243, published in the Official Gazette on 6 jul/000 – No 25554, articles 24 and 25 refer to the State Computer Information System. Regulated by Decree No 382/003; Decreto N° 436/011, 8 diciembre 2011. Consejo de Ministros. Reglamentación de la Ley 18.600 sobre Documento Electrónico y Firma Electrónica. Admisibilidad, validez y eficacia (on the admissibility, validity and effectiveness of electronic document and electronic signatures).

<sup>190</sup> Assent on 12 September 2000, commencement on 6 November 2000; amended by Statute Law (Miscellaneous Provision) Act No. 2 of 2010.

<sup>191</sup> Order with force of law No 1204 dated 10 February 2001 Data Message and Electronic Signature, Official Gazette No 37.148 of 28 February 2001 Decreto N° 1.204 10 February 2001; See also Ley de

## Vietnam

Law on E-Transactions (No. 51/2005/QH11)<sup>192</sup>

## Yemen

Law No 40 of 2006 concerning payment systems,  
financial operations, electronic banking

## Zambia

Electronic Communications and Transactions Act,  
2009<sup>193</sup>

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Infogobierno. Sobre firma digital y validez de la misma (nn digital signatures and their validity), sanctioned on 17 September 2013, in force 10 October 2013, published 17 October 2013.

<sup>192</sup> Passed on 29 November 2005 by the XIth National Assembly of the Socialist Republic of Vietnam during its 8th session. Under the provisions of article 53, the law entered into force on 1 March 2006. The Government of Vietnam issued Decree 57/2006/ND-CP of the Government dated 9 June 2006 (Decree 57) implementing the Law on E-Transactions in respect of e-commerce, which entered into force on 7 July 2006. Additional guidance is provided by Decree 26/2007/ND-CP dated 15 February 2007 and Decree 35/2007/ND-CP on electronic transactions in banking operations dated 8 March 2007. Decree 106/2011/ND-CP dated 23 November 2011 amended and supplemented a number of articles of Decree 26/2007/ND-CP dated 15 February 2007. A further Decree, 170/2013/ND-CP dated 13 November 2013 (in force on 1 January 2014 (article 3)), was issued that amended and supplemented a number of articles in Decree 26/2007/ND-CP dated 15 February 2007.

<sup>193</sup> Date of assent, 28 August 2009.