

Welcome

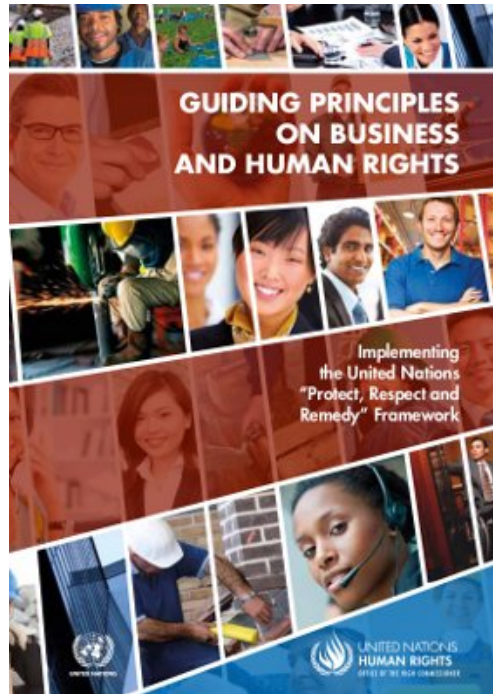


About WPIA



- Associated in Graz, Austria on 10th December 2016
- Mission Statement for everyone to strengthen the personal right to protect confidentiality/privacy as well as the protection of his own identity and integrity
- Operating an accountable and reliable Trusted Service Provider

Universal Declaration of Human Rights



WPIA binds itself to the acceptance of the Universal Declaration of Human Rights to its full extent.

WPIA follows the Guiding Principles on Business and Human Rights.

About me



Reinhard Mutz

Experience in IT since 1986

President of WPIA

All You need is TRUST !

An overview of our path to become
the world's most
Trusted Service Provider

Trusted Service Provider

- Our way to Privacy and Identity
- Electronic digital Certificates are used
 - to replace the handwritten manual signature.
 - to make communications confidential using strong cryptographics.
 - to secure the communication between websites and browsers.
 - to identify the bearer of a certificate.
 - to authenticate the bearer of a certificate in an electronic environment.

A solution must be based on Trust

- Identity

The citizens must have confidence that their data will be received by the addressees fast and reliably. An open and free Internet, the protection of personal data as well as the integrity of interconnected networks are the basis for global prosperity, security and the promotion of human rights.

Austrian Cyber Security Strategy,
Vienna 2013, Page 4



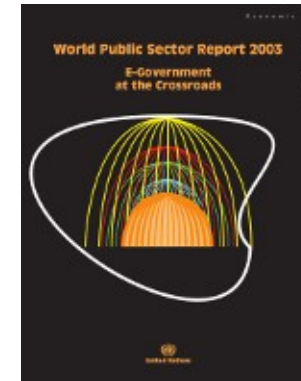
A solution must be based on Trust

- Right of Privacy

Privacy is not a commodity that can be sold.

Its utility in various cultural and social settings can differ, but privacy is a human right.

UN World Public Sector Report 2003,
Page 105



Global Players in the Market of PKIx

- IETF – Internet Engineering Task Force
 - defining and negotiating standards and protocols
 - RFC 5280
Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile
 - RFC 6818
Updates to the Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile
 - RFC 3647
Internet X.509 Public Key Infrastructure Certificate Policy and Certification Practices Framework

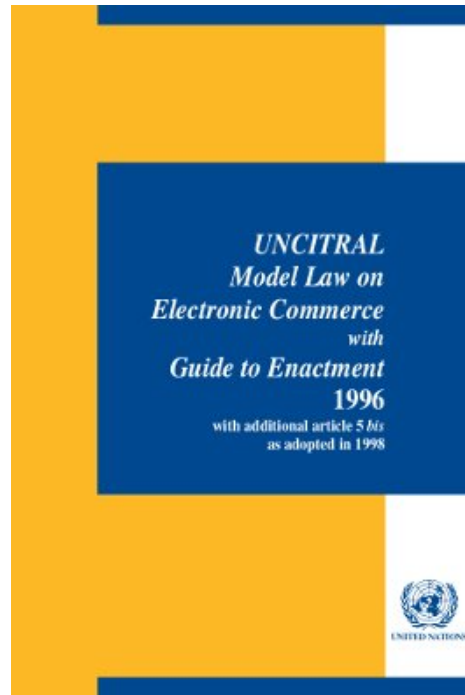
CA/Browser Forum

CA/Browser Forum

Baseline Requirements Certificate Policy for the Issuance and Management of Publicly-Trusted Certificates

WPIA – World Privacy and Identity Association

UNCITRAL - United Nations Commission of International Trade Law

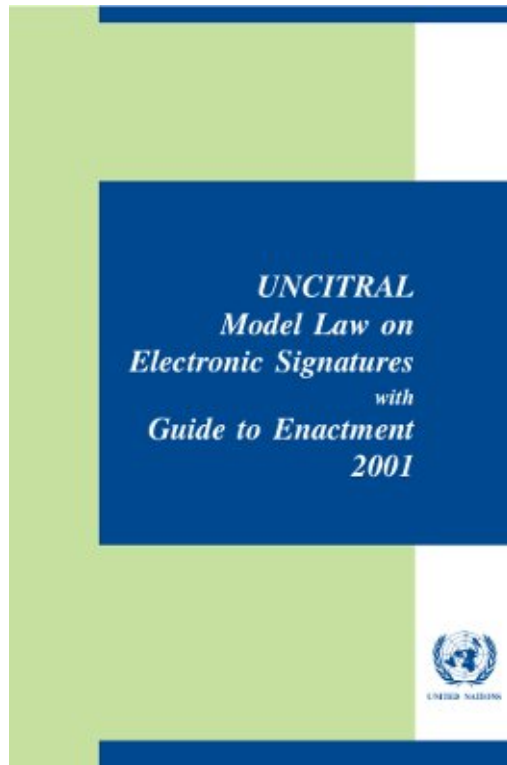


Article 1.

Sphere of application*

This Law** applies to any kind of information in the form of a data message used in the context*** of commercial**** activities.

UNCITRAL - United Nations Commission of International Trade Law

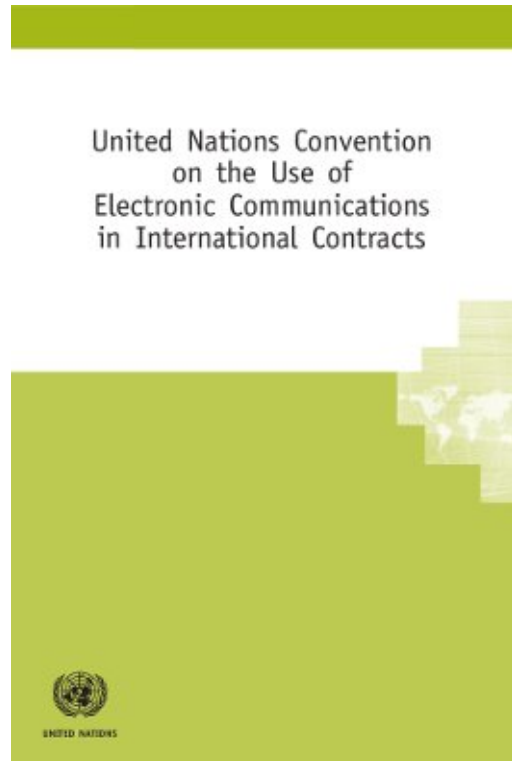


Article 1. Sphere of application

This Law applies where electronic signatures are used in the context* of commercial** activities. It does not override any rule of law intended for the protection of consumers.

WPIA – World Privacy and Identity Association

UNCITRAL - United Nations Commission of International Trade Law



Article 1. Scope of application

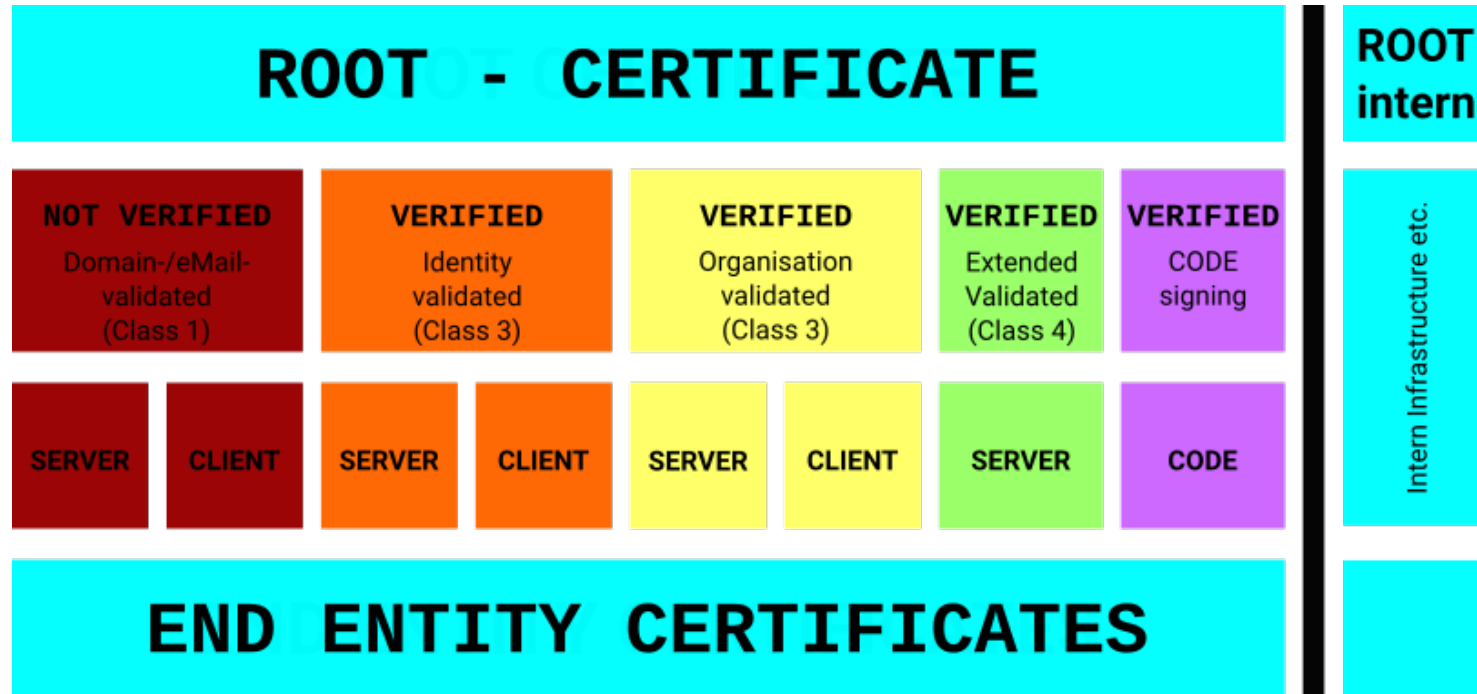
1. This Convention applies to the use of electronic communications in connection with the formation or performance of a contract between parties whose places of business are in different States.

Our Model of Trust

3 Areas

- A technical area
- Human Resources
- An organisational area

Technical Area



Technical Area

- Technical measures against threads and misuse
 - Valid time frames for end entity certificates not longer than 24 months
 - Domain name parsing, e.g. ASCII and UTF8 characters mixed etc.pp.
 - private key always in the domain of the candidate; will never be transferred to the CA
 - ...

Human Resources

- A Certificate Authority performs 3 different functions
 - RA – Registration Authority
the user enters all required personal data into a database.
 - VA – Validation Authority
RA-Agents verify the personal data in a face-to-face meeting on a paperform against an official ID document and against the database.
 - CA – Certificate Authority
CA uses the personal data to issue a digital certificate.

Human Resources

- RA – Agents are bound by an individual contract to the policies and rules of WPIA
- RA – Agents grant points depending on their personal experience to a candidate
- RA – Agents work voluntarily and cannot be forced to perform a verification
- RA – Agents fulfill several requirements before acting on behalf of the CA
- RA – Agents have passed a test and at least 100 points

Human Resources

Our Ranking System based on experience

Points	Result
0 - 49	CN := WPIA common user SAN := Emailadress
50 - 99	CN := Personal Data
100 - MAX	+ may become RA-Agent + may become Organisation Admin + may get code-signing certificates

RA-Agent must meet a candidate face-to-face !

Organisational Area

- WPIA is head and center of
- A Servicing and Operating Limited Incorporation
to perform all necessary operations on behalf of WPIA to deploy electronic certificates to the public for free.
- A cooperative incorporation
Tasks are to organize all commercial users to deploy organisation validated (OV) certificates.

Key Factor Transparency

- All source code is published under AGPL
- Test systems are accessible by the public
- All procedures are documented and published

- Arbitration follows strict the rules as layed out in UNCITRAL Model of Arbitration

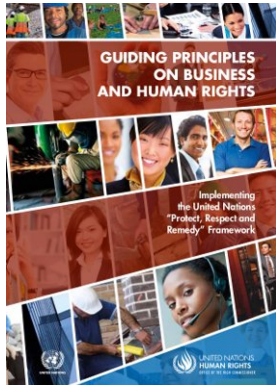
Thank you !



Visit <https://wpia.club>

Join WPIA today !

Websites and Links to Documents



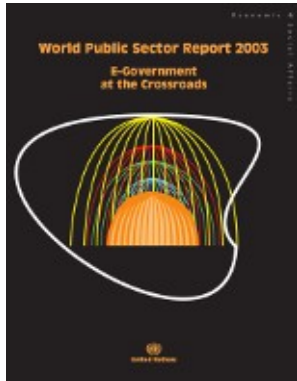
Source

http://www.ohchr.org/Documents/Publications/GuidingPrinciplesBusinessHR_EN.pdf



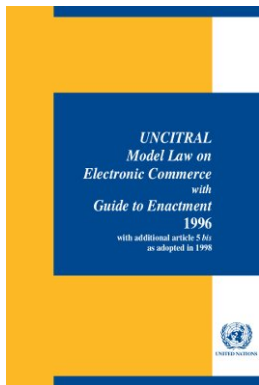
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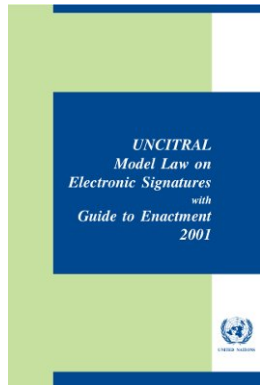
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<https://publicadministration.un.org/publications/content/PDFs/E-Library%20Archives/World%20Public%20Sector%20Report%20series/World%20Public%20Sector%20Report.2003.pdf>



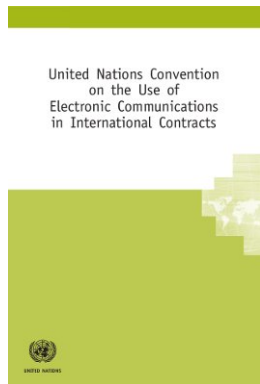
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RFC Index

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