

A Lightweight Infrastructure for Global Heterogeneous Trust Management



Lightweight Infrastructure for **G**lobal
Heterogeneous **T**rust management in support of
an open **E**cosystem of **S**takeholders and **T**rust
schemes



Legal framework



eCommerce Directive 2000/31/EC

- Nondiscrimination
- Functional equivalence

eIDAS Regulation (EU) 910/2014

- Legal validity of eDocuments
- eSignatures and eSeals

GDPR (EU) 2016/679

- Data protection
- Privacy



United Nations
UNCITRAL

Model Law on Electronic Commerce

- Nondiscrimination of data messages
- Originality and retention

Model Law on Electronic Signatures

- Equal treatment of signature technologies
- Requirements for signatures





Identity & mandates

- Trust schemes and trust providers can build on the existing eIDAS model
 - Trust service providers, supervisory bodies and trust lists
 - Notified eIDs and eIDAS nodes

- LIGHTest can facilitate compliance
 - Support for existing outputs
 - Extension to new use cases using the same technologies





Contracts / smart contracting

Building on general e-commerce rules

- Functional equivalence principle
- Recognition of eSignatures and eSeals



Potential for globalisation

- LIGHTest can leverage EU level legal framework
- But trust schemes are not necessarily geographically constrained



Data protection

Privacy by design / privacy by default

- Role separation / data segregation
- Cautious use of DNS



Easier support for data subject rights

- Transparency through trust schemes
- Access / correction / deletion, and to some extent portability



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