

ISO/TC 307

Blockchain and distributed ledger technologies



Groups

- WG 1 – Foundations
- WG 2 – Security, privacy, and identity
- WG 3 – Smart contracts and their applications
- SG 2 – Use cases
- SG 6 – Governance
- SG 7 – Interoperability

Security, Privacy, and Identity

- Report (not public) delivered in September 2018
- Purpose was to evaluate the security of the consensus mechanisms of existing blockchains
 - The typical use case requirements for consensus
 - The relevant characteristics of the governance model that the consensus mechanism is supporting
 - The trust and authentication model for all actors and entities
 - The process required to reach consensus
 - The technological model supporting the process
 - The assurance policies, procedures, and mechanisms for the technology to support the process
- No indication of future work

Smart Contracts and Their Applications

- Proposed work in 2018
 - ISO/AWI TS 23259: Legally binding smart contracts – target for publication: spring 2021
 - ISO/NP TR 23455: Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems – target for publication: summer 2019
 - Study on supply-chain-management and trade-facilitation
- Extension requested in 2022, no activity since then