

# Standardization activities in Blockchain and Distributed Ledger Technologies

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# Importance of standards

- Goal:
  - Enabling **ecosystems** through **interoperability**
- Challenge:
  - Anticipate **technology trends** and their **impact** on **applications**



# What ISO/TC307

- ISO Technical Committee on Blockchain and Distributed Ledger Technologies
  - Established in September 2016 as a result of a proposal by Australia
- Objective
  - Standardization of blockchains and distributed ledger technologies to support interoperability and data exchange between users, applications and systems



International  
Organization for  
Standardization

# ISO/TC307 members

## Participating Members (39)

### Australia (SA)

Austria (ASI)

Belgium (NBN)

Brazil (ABNT)

Cambodia (ISC)

Canada (SCC)

China (SAC)

Croatia (HZN)

Cyprus (CYS)

Denmark (DS)

Finland (SFS)

France (AFNOR)

Germany (DIN)

Hungary (MSZT)

India (BIS)

Ireland (NSAI)

Italy (UNI)

Jamaica (BSJ)

Japan (JISC)

Kazakhstan (KAZMEMST)

Korea, Republic of (KATS)

Luxembourg (ILNAS)

Malaysia (DSM)

Netherlands (NEN)

New Zealand (NZSO)

Norway (SN)

Poland (PKN)

Portugal (IPQ)

Russian  
Federation (GOST R)

Singapore (ESG)

South Africa (SABS)

Spain (UNE)

Sweden (SIS)

Switzerland (SNV)

Thailand (TISI)

Ukraine (DSTU)

United Arab  
Emirates (ESMA)

United Kingdom (BSI)

United States (ANSI)

## Observing Members (13)

Argentina (IRAM)

Belarus (BELST)

Czech Republic (UNMZ)

Hong Kong (ITCHKSAR)

Indonesia (BSN)

Iran, Islamic Republic of (ISIRI)

Israel (SII)

Kenya (KEBS)

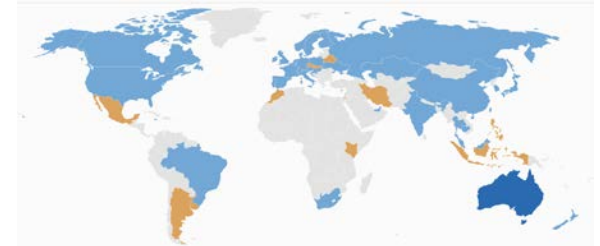
Mexico (DGN)

Morocco (IMANOR)

Philippines (BPS)

Slovakia (UNMS SR)

Uruguay (UNIT)



# ISO/TC307 structure

ISO/TC 307/CAG 1	Convenors coordination group
ISO/TC 307/JWG 4	Joint ISO/TC 307 - ISO/IEC JTC 1/SC 27 WG: Blockchain and distributed ledger technologies and IT Security techniques
ISO/TC 307/SG 2	Use cases
ISO/TC 307/SG 7	Interoperability of blockchain and distributed ledger technology systems
ISO/TC 307/WG 1	Foundations
ISO/TC 307/WG 2	Security, privacy and identity
ISO/TC 307/WG 3	Smart contracts and their applications
ISO/TC 307/WG 5	Governance

# Other relevant standardization efforts

- ITU-T Focus Group on Application of Distributed Ledger Technology
- IEEE Blockchain initiative
- CEN/CENELEC Focus Group on Blockchain and DLT

