

ISO/TS 23635:2022-02 (E)

Blockchain and distributed ledger technologies - Guidelines for governance

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Governance principles for DLT systems		1
4.1 Overview		1
4.2 Principles		2
4.2.1 Principle 1: Define identifiers of entities involved		2
4.2.2 Principle 2: Enable decentralized decision-making		2
4.2.3 Principle 3: Ensure explicit accountability		2
4.2.4 Principle 4: Support transparency and openness		2
4.2.5 Principle 5: Align incentive mechanisms with system objectives		2
4.2.6 Principle 6: Provide performance and scalability		2
4.2.7 Principle 7: Make risk-based decisions and address compliance obligations		2
4.2.8 Principle 8: Ensure security and privacy		3
4.2.9 Principle 9: Consider interoperability requirements		3
5 Governance framework for DLT systems		3
5.1 Overview		3
5.2 Comparison with other governance frameworks		3
5.3 Specific governance considerations for DLT systems		4
5.4 Decision rights and decision-making		7
5.5 Accountability		7
5.6 Incentives and incentive mechanisms		8
6 Governance of different types of DLT systems		9
6.1 Types of DLT systems		9
6.2 Governance in permissioned systems		12
6.3 Governance in permissionless public systems		12
7 Governance throughout a DLT system's lifecycle and contexts		13
7.1 Governance throughout a DLT system's lifecycle		13
7.1.1 General		13
7.1.2 Governance in the Establish stage		14
7.1.3 Governance in the Operate stage		14
7.1.4 Governance in the Terminate stage		15
7.2 Governance in the DLT systems contexts		15
7.2.1 Overview of the DLT governance contexts		15
7.2.2 Data context		15
7.2.3 Protocol context		16
7.2.4 Application context		16
7.2.5 Institutional context		16
8 Roles in the governance framework		16
9 Governance instruments		19
9.1 General		19
9.2 On-ledger and off-ledger governance instruments		20
9.2.1 General		20
9.2.2 On-ledger governance instruments		21
9.2.3 Off-ledger governance instruments		21

9.3	Considerations in implementing instruments.....	21
9.3.1	Adaptability.....	21
9.3.2	Risk.....	22
9.3.3	Privacy.....	23
10	Governance of interoperability.....	24
	Bibliography.....	26