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Programme

- Introduction to the potential of
  Blockchain standards
  /Astrid Bækby Knudsen, DS

- Value and guidelines to the market
  /Roman Beck, IT-University / EBC

- Dialogue on industries that benefit from
  the standard for guidelines for
  governance
  /Astrid & Roman

- Q & A session

Why do we need standards?

✓ To help unlock the potential of a new technology...

✓ To create trust and interoperability...

The standard is agreed in international consensus to increase the use of blockchain, by:

✓ Give supporting guidelines because there is no central governing authority for blockchain and DLT systems

✓ Answer questions on decision rights, responsibilities, accountabilities etc.

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≋DS≋
DANISH STANDARDS

ISO TS 23635 Blockchain and distributed ledger technologies – Guidelines for governance

→ **Who, How, What?**

Who: Created *for* architects, users, developers, regulators, auditors etc.

Who: Created *by* valued expert/members of ISO TC 307/WG 5 Governance

How: ISO development/process rules, consensus, ballots

What: Content and structure → next slide

ISO/TS 23635

TECHNICAL SPECIFICATION

First edition 2022-02

Blockchain and distributed ledger technologies — Guidelines for governance

Reference number ISO/TS 23635:2022(E)

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9 action-oriented principles to follow:

1: Define identifiers of entities involved

2: Enable decentralized decision-making

3: Ensure explicit accountability

4: Support transparency and openness

5: Align incentive mechanisms with system objectives

6: Provide performance and scalability

7: Make risk-based decisions and address compliance obligations

8: Ensure security and privacy
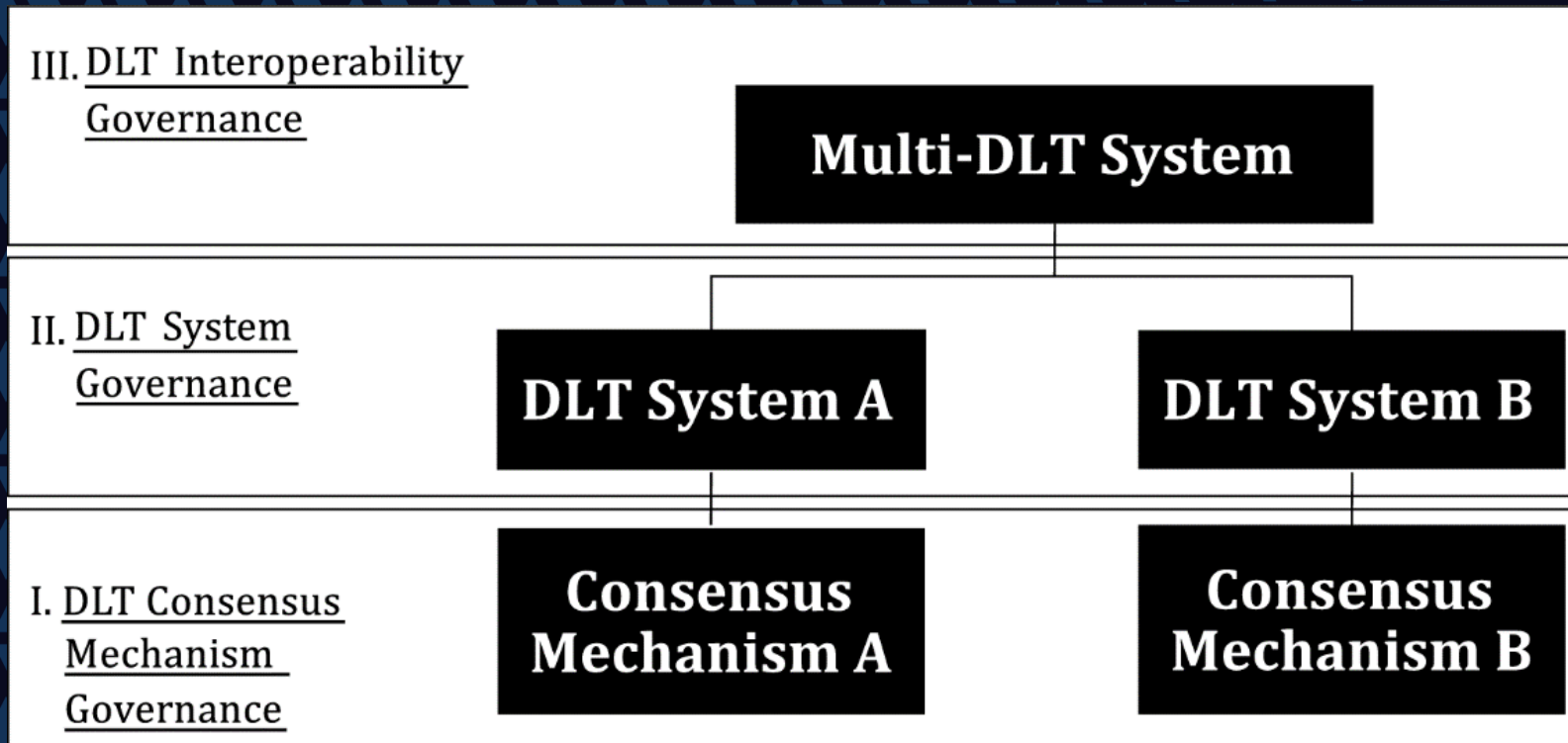
9: Consider interoperability requirements

Governance explained via:

- Framework
- Type: Permissioned/ permissionless
- Lifecycle and Context
- Roles
- Instruments (on/ off-ledger)
- Risk/privacy
- Interoperability

Types of DLT systems governance

On-ledger and off-ledger governance instruments

	Accountability	Responsibilities and Decision Rights	Incentives
On-ledger governance	— Identification — Access control — Confirmation — Auditing — Data conservation — Authentication	— Fundamental properties — Disposal rights — Access rules — Scope — Operation of consensus protocol	— Process execution model — Transaction process — Flexibility — Interoperability — Security — Operational alignment — Data validation
Off-ledger governance	— Access policies — Application access — Censorship resistance — Fragmentation — Identity disclosure	— Community rules — Decision-making process — Scalability — Implementation — Consensus protocol selection — Validation	— Performance — Cost efficiency — Transferability

Q&A

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THANK YOU

Link to purchase the standard at ISO.org:
https://www.iso.org/standard/76480.html

Or at Danish Standards webshop:

https://webshop.ds.dk/da-dk/s%c3%b8gning/blockchain/ds-iso-ts-236352022