



# TECHNICAL STANDARDS TO ACHIEVE DATA PROTECTION BY DESIGN IN DATA SPACES

AEPD – ENISA CONFERENCE ON DATA SPACES

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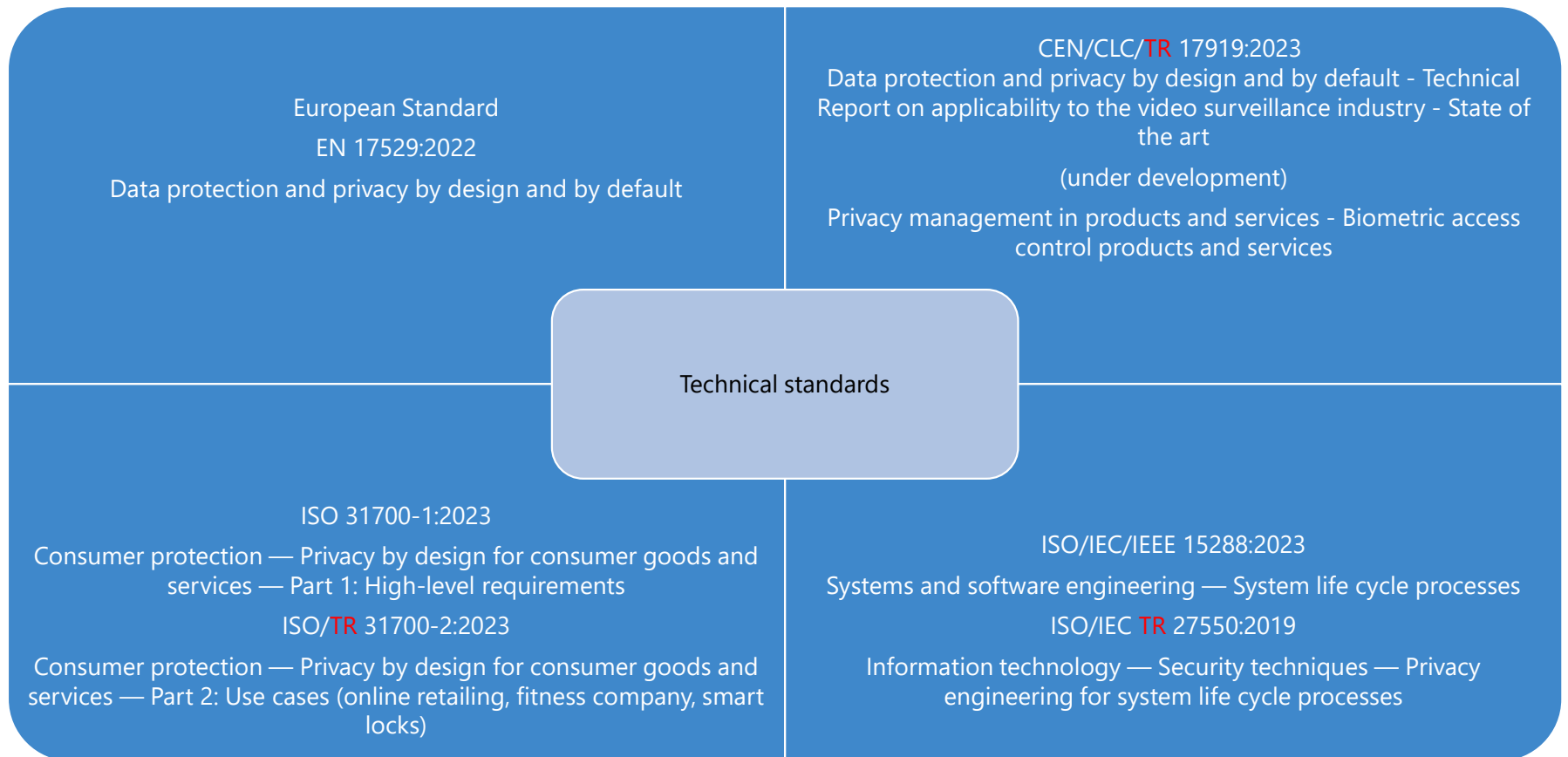
Madrid, 2 October 2023



A scalable and practical privacy-preserving framework  
Grant agreement ID: 101070670

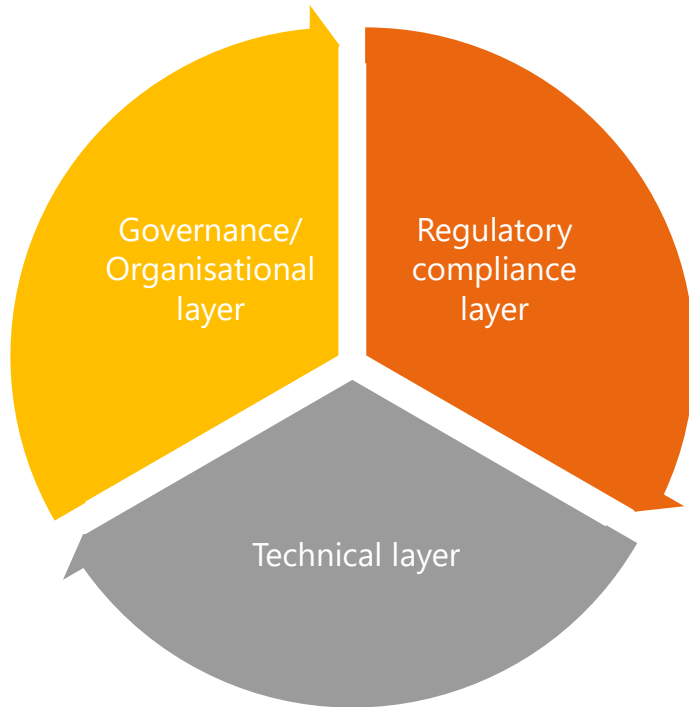


# EXISTING TECHNICAL STANDARDS ON DATA PROTECTION BY DESIGN AND BY DEFAULT



# WHAT POSSIBLE USE OF TECHNICAL STANDARDS FOR DATA SPACES?

- ◆ Data spaces: Infrastructure which facilitates access to data and thus the development of business models based on its exploration and exploitation (AEPD 2022)



Governance/reg	technical
Determination of DPbD requirements	System requirements definition
Record of processing activities	Architecture definition process
Consumer communication requirements	Design definition process
Assessing risk capabilities of third parties	Secure multi-party computation: models & properties ISO/IEC 4922-1:2023
Preparing data breach response plans	
Designing & implementing privacy controls	
Design interface to enable access of data subjects rights	

Examples of requirements in technical standards useful for data spaces

# CHALLENGES – NEED FOR NEW DATA SPACE STANDARDS ON DATA PROTECTION BY DESIGN?

- ◆ Current DPbD standards focus on organisations, **not the processing lifecycle across organisations**
  - ◆ overview of processing in case of complex configurations of data spaces with multiple data holders, intermediaries and data users?
- ◆ For example COM Proposal for EHDS on 'access to data':  
**"bring questions to data instead of moving data" / compute-to-data approach**
  - not reflected in an existing data protection by design standard.
- ◆ Need for update of existing European & international standards?
- ◆ Need for a Technical Report specifying how EN 17529 applies to Data Spaces?
- ◆ Integration of data protection by design and by default in standards on Data Spaces?
  - ◆ **DIN SPEC 27070:2020-03 -Requirements and reference architecture of a security gateway for the exchange of industry data and services**
- ◆ Common specifications?

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