

TRIALOG

**Standards and
Innovation: Data
and AI standards
generating value
for SMEs**

Tuesday, May 19 2020
10:00h - 11:00h CEST

TRIALOG

ENABLING INNOVATION
SINCE 1987

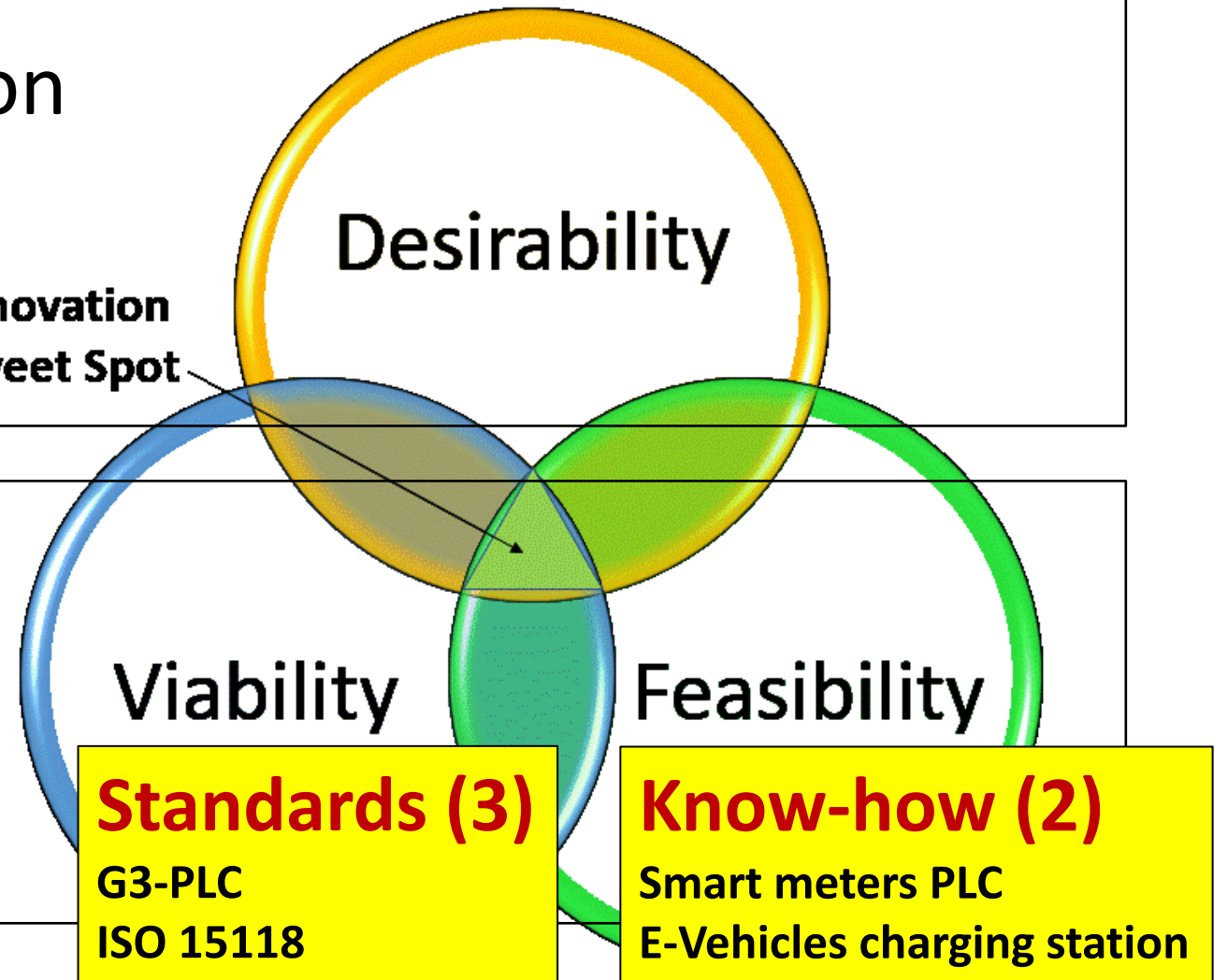
Antonio Kung, CEO – Trialog. www.trialog.com



Value of standards for Trialog

Customer deploys innovation
In a **Market (1)**

Innovation
Sweet Spot

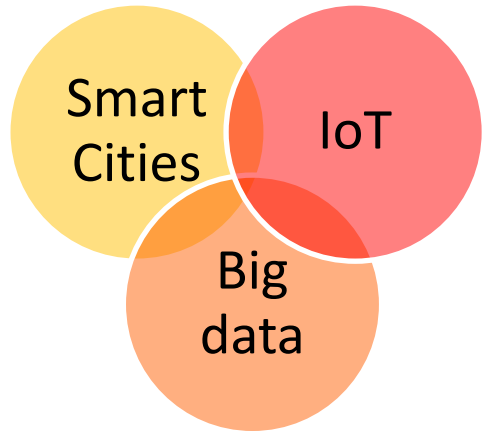


**Trialog supports
Integration of innovation**

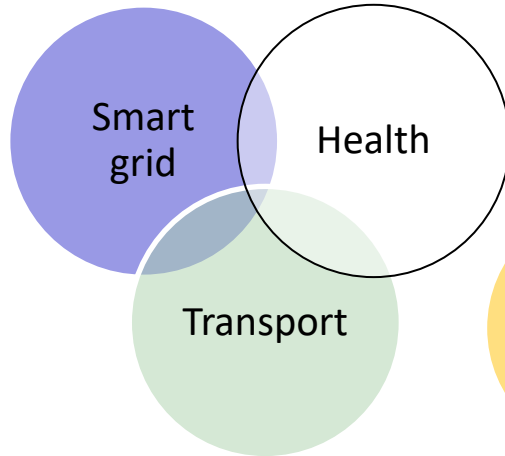


Market Example

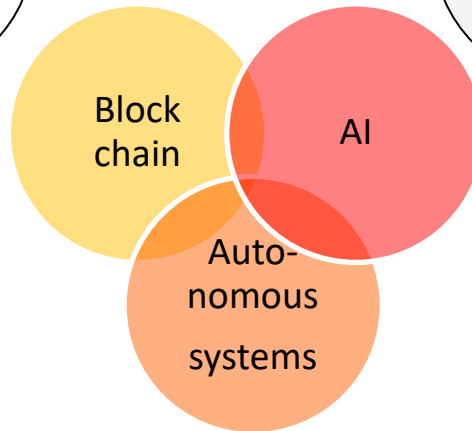
Smart City Practice for Privacy



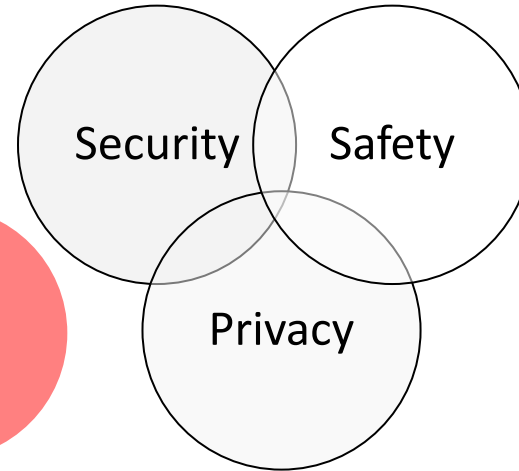
Ecosystems



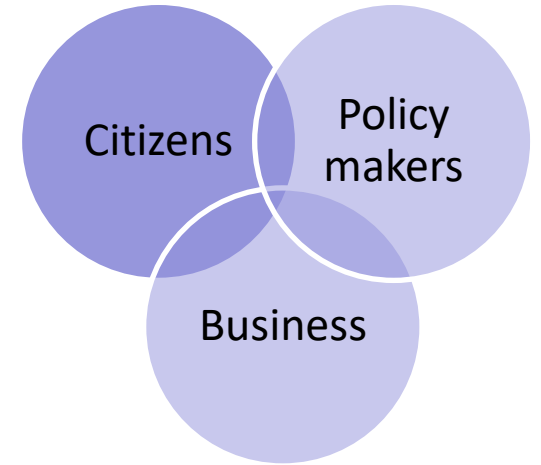
Domains



Technologies

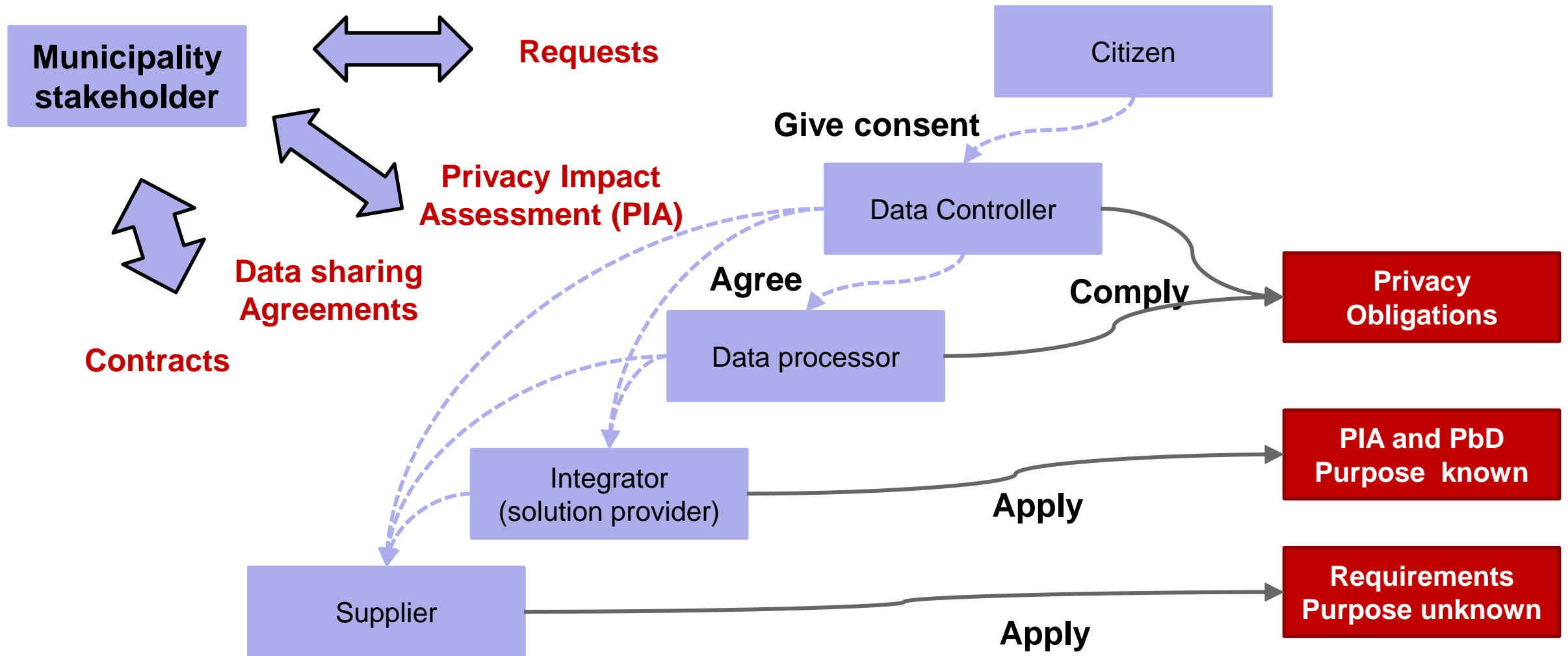


Concerns



Stakeholders







Know-How Example

Security and Privacy Plans

interconnect

interoperable solutions
connecting smart homes,
buildings and grids



Seven large scale pilots leading to market driven deployments will be installed



The future of smart energy management solutions will start by testing seven connected large-scale pilots across Europe:

Greece

Large residential community with smart appliances and EV integration

France

Residential & non-residential, with tertiary buildings and apartments

Portugal

Residential & geographically widespread tertiary buildings

Netherlands

Residential (including social housing) & non-residential buildings

Germany

Groups of residential buildings and hotels

Belgium

Residential and tertiary buildings in communities of multi-energy vectors

Italy

Residential social housing



Security and privacy plans use in Interconnect



Security and privacy plan

- Context of ecosystem
- Governance aspects
- Data management plan
- Risk management plan
- Engineering plan
- Citizen engagement plan

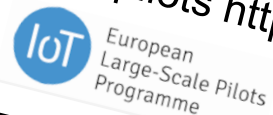
SPOCS
Security and privacy **Plan**
pr**OC**ess

Pilot level : learning practice

Define security and privacy plan template
Define security and privacy plans
Execute security and privacy plans

Beyond: assisting market on practice

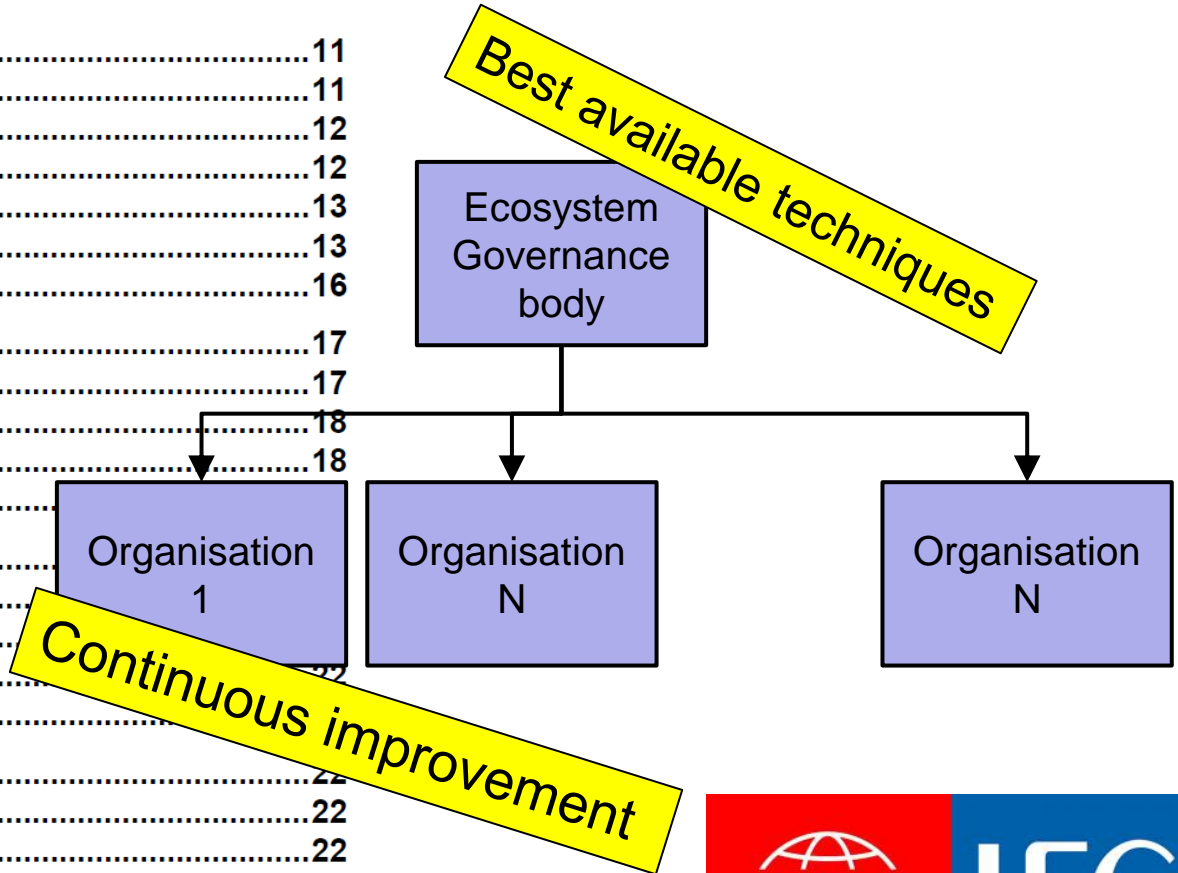
Based on return of experience
IoT large scale pilots <https://european-iot-pilots.eu>



TRIALOG

Know-How Example of standard

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Involvement of Trialog



EDPS
EUROPEAN DATA PROTECTION SUPERVISOR
The EU's independent data protection authority

Home About Data Protection Press & Publications

Data Protection > IPEN - Internet Privacy Engineering Network

IPEN - Internet Privacy Engineering Network



Page Discussion

Wiki for Privacy Standards

(Redirected from Wiki for Privacy Standards)

Contents [hide]

- Objective of this Wiki
- Content
- Membership
- More on IPEN - Internet Privacy Engineering Network
- Sponsors and Support

Objective of this Wiki

The objective of this Wiki is to be a tool all

Content

Privacy standards

- CEN-CENELEC-ETSI
- IETF Activities
- IEEE standards
- ISO/IEC
- ITU standards
- OASIS
- OpenID Foundation
- W3C Activities
- National Level Standards

More info on privacy standards [Expand]

More info on privacy engineering projects.

More info on reports, events, presentations

Main page
Recent changes
Wiki help

Organisation
Contacts

Standardisation
CEN-CENELEC-ETSI
IEEE
IETF
ISO
ITU
OASIS
OpenId
W3C
National Level

Tools
What links here
Related changes
Upload file
Special pages
Printable version
Permanent link
Page information



Page Discussion

ISO



1 Introduction

2 Some conventions on ISO standards

3 Meetings

4 Published standards

- 19608 TS Guidance for developing security and privacy functional requirements based on
- 20889 IS Privacy enhancing de-identification terminology and classification of techniques
- 27018 IS Code of practice for protection of PII in public clouds acting as PII processors
- 27550 TR Privacy engineering for system lifecycle processes
- 27701 IS Security techniques - Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy
- 29100 IS Privacy framework
- 29101 IS Privacy architecture framework
- 29134 IS Guidelines for Privacy impact assessment
- 29151 IS Code of Practice for PII Protection (also a ITU document - ITU-T X.1058)
- 29190 IS Privacy capability assessment model
- 29191 IS Requirements for partially anonymous, partially unlinkable authentication

5 Standards in development

- 20547 IS Big data reference architecture - Part 4 - Security and privacy
- 23491 IS Security techniques - Guidelines for IoT domotics security and privacy
- 27030 IS Security and Privacy for the Internet of Things
- 27045 IS Big data security and privacy - processes
- 27046 IS Big data security and privacy - Implementation guidelines
- 27551 IS Requirements for attribute-based unlinkable entity authentication
- 27555 IS Guidelines on Personally Identifiable Information Deletion
- 27556 IS User-centric framework for the handling of personally identifiable information (PII)
- 27570 TS Privacy Guidelines for Smart Cities
- 29184 IS Online privacy notices and consent
- 31700 IS Consumer Protection - Privacy-by-design for consumer goods and services

6 New work item proposals proposed in October 2019

- 27557 IS Organizational privacy risk management
- 27558 IS Information security, cybersecurity and privacy protection - Requirements for bodies
- 27559 IS Privacy-enhancing data de-identification framework
- 27560 TS Privacy technologies – Consent record information structure

Architecture ISO/IEC JTC1/AG8	Study	Convergence of architecture standards*	Pending
IoT ISO/IEC JTC1/SC41	30141	IoT reference architecture	Edition 2 pending
	21823-3	IoT semantic interoperability *	Pending
Security and privacy ISO/IEC JTC1/SC27 ISO/IEC JTC1/SC38 ISO PC317	27550	Privacy engineering for system life cycle processes *	Published
	27556	User-centric framework for privacy preference management *	Pending
	27570	Privacy guidelines for smart cities * (SC27)	Pending
	27030	Security and privacy guidelines for IoT *	Pending
	20547-4	Big data security and privacy (SC27)	Will be published
	23751	Data sharing agreements (SC38)	Pending
	Study	Impact of Ai on privacy* (SC27 - liaison with SC42 – AI)	Pending
Cybersecurity ISO/IEC JTC1/SC27 ISO TC22/SC32/WG11	31700	Privacy-by-design for consumer goods and services	Pending
	27101	Guidelines for cybersecurity framework	Pending
	21434	Road vehicles – cybersecurity engineering	Pending



Support has been available from

Liaisons
 AIOTI, BDVA, H2020



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Questions?

