

Trust Management for Digital ID: XSTR.gidi Report at ITU

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SIDI Hub Trust Management Research feeds ITU Technical Report

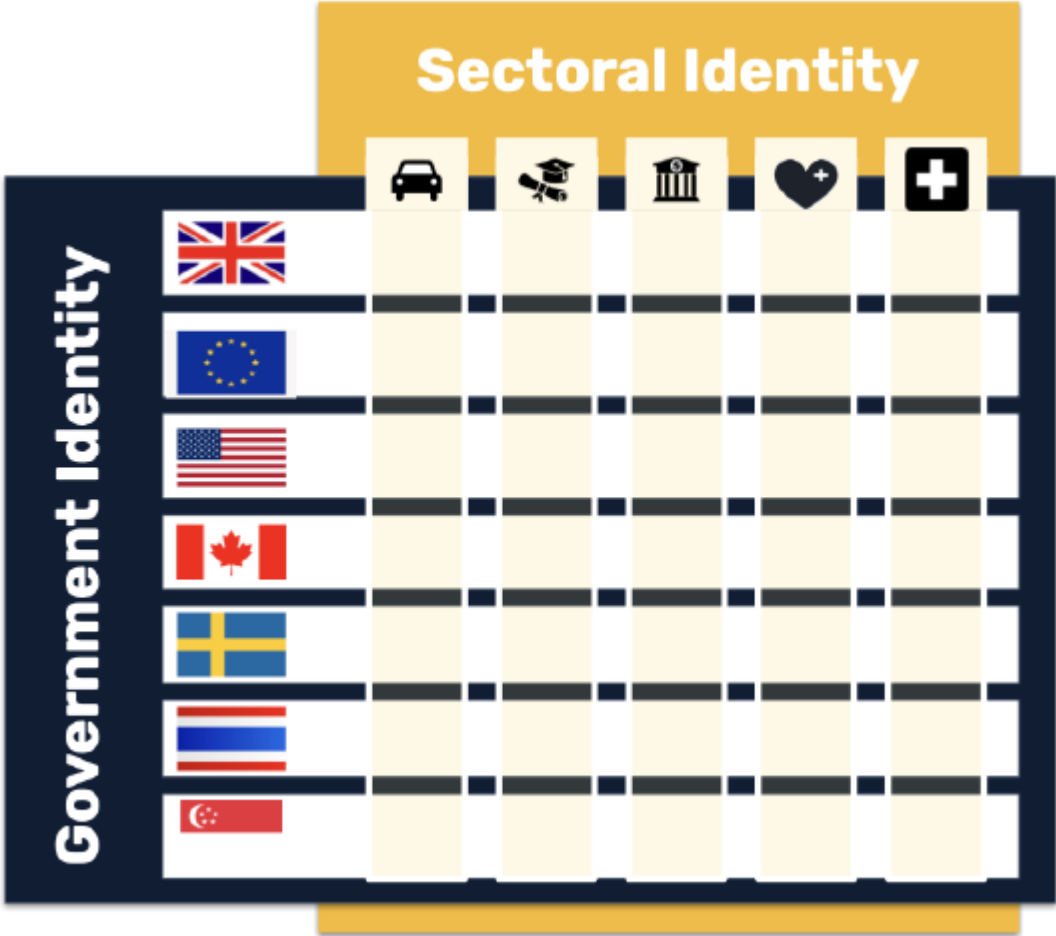
Technology WG



XSTR.gidi Research Question

What is a governance model to achieve cross-border interoperability for trust management of digital identity?

- It might be a function of credentials e.g. passport
- It might be similar to the challenges faced with IP addresses in the past and resolved by the Regional Internet Registries (RIR): a similar governance may be required to facilitate cross-border Interoperable Digital Identity infrastructure
- What can we learn from digital signatures legal recognition?



Structure of XSTR.gidi

1. Context setting

2. The 6 vectors of trust

3. Country/Sectoral reality:

- What mechanisms for which vectors
- Governance behind each mechanism

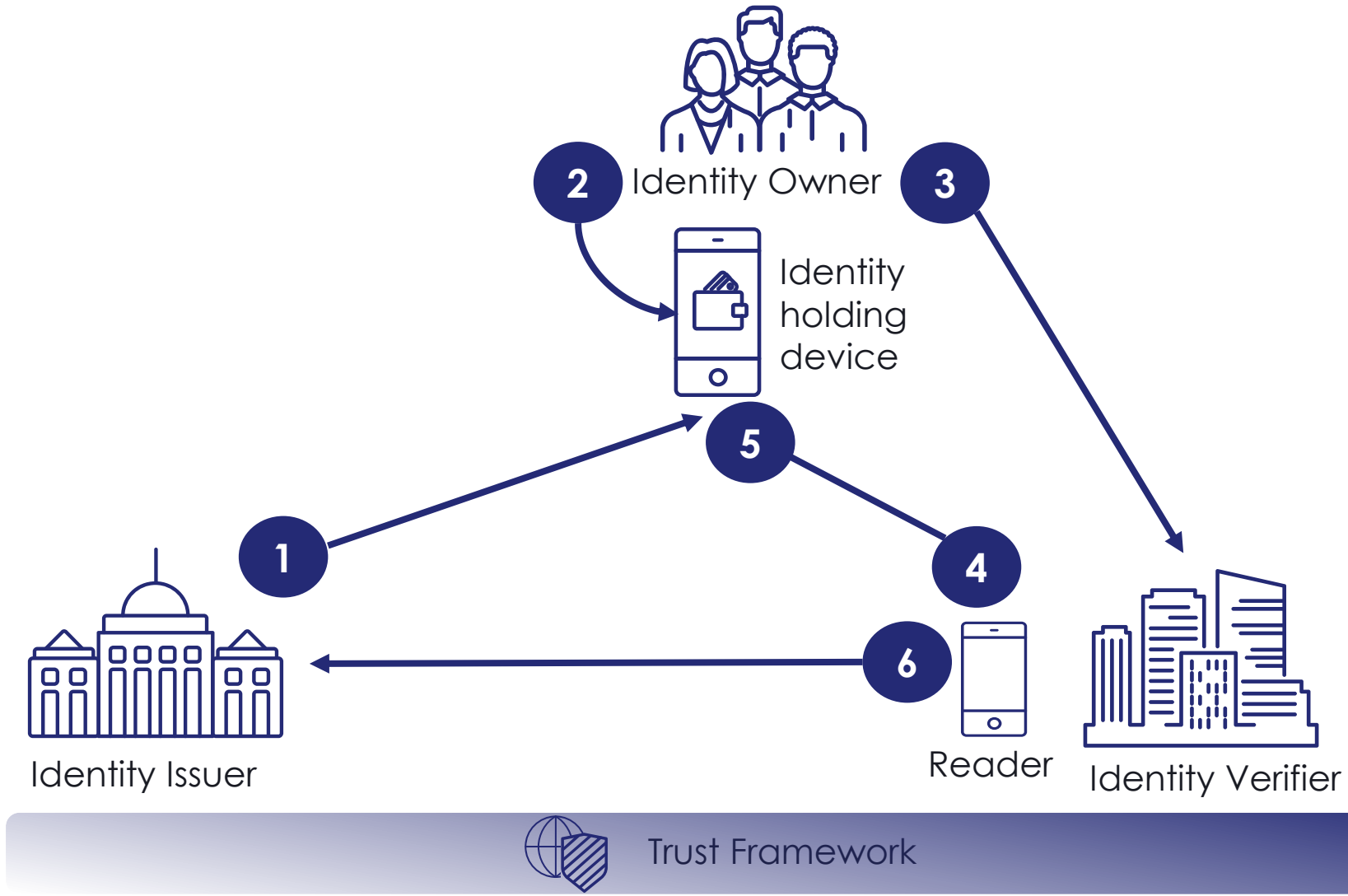
4. Governance recommendations

1. Context Setting

Agentic AI

	Human Digital Identity	Enterprises	Non Human Digital Identity
Protocols / Credentials	On track	Partial <ul style="list-style-type: none"> • LEI for FI vertical 	Emerging <ul style="list-style-type: none"> • de-facto protocols e.g., MCP, A2A
Trust Management	<ul style="list-style-type: none"> • Country-led e.g., AAMVA, Austroads “VICAL” for driving-license use case • Regional e.g., eIDAS2 • Global : Gap 	Partial <ul style="list-style-type: none"> • LEI for FI vertical 	Gap
Policy / Trust Framework	<ul style="list-style-type: none"> • Country-led: Partial • Regional: Partial • Global: Gap 	Partial <ul style="list-style-type: none"> • LEI for FI vertical 	Gap

2. The 6 Vectors of Trust



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3. Country/Sectoral Reality

Example of mechanisms: VICAL, RICAL, Platform Attestations, OpenID Federation, X.509 DPKI, TRAIN

Country A/Sectoral ID	Mechanism	Governance
1. Issuer Trusts Wallet		
2. User Trusts Wallet		
3. User Trusts Verifier		
4. Reader Trusts Wallet		
5. Wallet Trusts Reader		
6. Reader Trusts Issuer		

How are we progressing?

- > New Work Item has been established in Dec 2025 at the plenary session
- > TODAY and TOMORROW: 2 panels discussion on Trust Management
- > In May: official survey to institutions to gather information by ITU
- > On June 2nd dedicated TRUST MANAGEMENT workshop
- > In June ITU plenary session to progress the work
- > TARGET: publication v1.0 by Dec subject to MS approval



Contact me

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Thank you

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