



# Interoperability and Standards Working Group

## Plenary

Wednesday 16<sup>th</sup> October 2019



Economics of Identity. The Road to 2020



# Objectives

The objectives of the working group are

1. To identify the components and functions of a digital identity ecosystem that need to be addressed to support an interoperable multi-scheme model
2. To determine the most effective approach to address each of these functions (and their scope and requirements) and make recommendations on appropriate ownership, resources and priorities; considerations will include appropriateness, competencies, timescales and availability, and constraints that may impact or block the likelihood of success.

# Scope

The working group will undertake the following.

1. As a starting point, to ensure there is common agreement on what the digital identity ecosystem is, **develop a hierarchical framework** to describe the ecosystem and to understand its components, and **provide a glossary of terminology used**.
2. For each layer within the ecosystem framework, **provide an assessment of scope, components, existing work and maturity**, leading to **identification of gaps, recommended actions and intended outcomes**.
3. Incorporate cross-over and intersection findings from other working groups.
4. Communicate and discuss findings with the Steering Group and the other working groups.
5. Document findings.

# Working Group Members

Barclays

BJSS

BT

Cabinet Office / GDS

Cifas

Companies House

Consult Hyperion

DWP

Experian

Gov of Jersey

HSBC

ID Crowd

IDEMIA

IdentTrust

ID Works

Innovate Identity

Monadd

OBIE

OIX

Post Office

RBS

ScotGov

Sitekit

TCS

TISA

TrustID

tScheme

Veridium

Yoti

## **Progress to Date**

# The 7-Layer Digital Identity Ecosystem Model

1	STATE	Governance
2	COMPLIANCE	
3	ECOSYSTEM	
4	CONFORMANCE	
5	SCHEME	Operation
6	TRANSACTION	
7	SUPPORT	

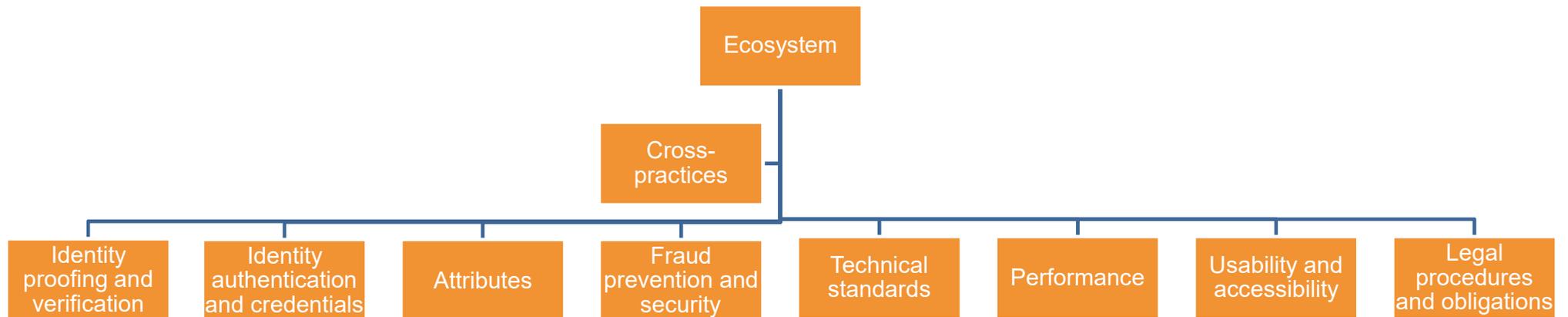
# The 7-Layer Digital Identity Ecosystem Model

Function	Layer	Description
Governance	1) State Legislation and regulation	<p>Sets out the specific policy, order or mandate for a regulated, independently supervised or non-regulated, non-supervised market. (Note that this may not exist).</p> <p>Provides legal clarity around aspects of the market operation.</p> <p>Legislation and regulation (including industry guidance) that may need to be reviewed and amended to explicitly recognise the acceptability of federated digital identity.</p>
	2) Compliance	Sets out the obligations on market participants to meet the legislative and regulatory requirements.
	3) Ecosystem Principles, policies, procedures and standards	<p><b>Sets out the principles, policies, procedures and standards (including guidance and best practice) required to ensure interoperability, privacy, security and performance levels across the participants in the market.</b></p> <p><b>Sets out the business and legal procedures, standard terms and conditions (minimum requirements) covering such elements as account recovery and identity repair, liability, dispute resolution and recompense.</b></p>
	4) Conformance Incl some compliance	Sets out the obligations on market participants to meet the standards requirements.

# The 7-Layer Digital Identity Ecosystem Model

Function	Layer	Description
Operation	5) Scheme / service	The business, legal and technical rules of operation that form a multi-party contractual arrangement, to meet the terms and conditions of the ecosystem and ensure the integrity of the scheme is upheld in line with the governance framework.
	6) Transaction	Ensures that each transaction happens as it should and to the benefit of all parties involved.
	7) Support	Ensures that participants including end users have recourse if problems occur.

# Level 3 – The Ecosystem



Principles  
Policies  
Guidance  
Procedures  
Standards

## Level 3 – The Ecosystem

Practice	Subject	Action / method / who
Cross practice	Identity Assurance Principles	High-level landscaping exercise. Review and update
	Cross-sector recognition and alignment of standards	Investigate the case for an Independent Standards Board
Identity proofing and verification	Alignment of differing standards	Use OIX white paper as a basis for creating an alignment model. Set out guidance.
	Outcomes based standards	Consider eIDAS principles and procedures for recognition of national standards. Develop UK principles and procedures?

## Level 3 – The Ecosystem

<b>Practice</b>	<b>Subject</b>	<b>Action / method / who</b>
Identity authentication and credentials	Alignment of differing standards	OIX white paper
Attributes	GDS drafting set of papers	GDS to publish
	Working group test of use cases to determine end-point requirements – all about trust. Map requirements to GDS papers	Walkthrough Feedback to GDS

## Level 3 – The Ecosystem

<b>Practice</b>	<b>Subject</b>	<b>Action / method / who</b>
Fraud prevention and security	General	High-level landscaping exercise.
Technical standards	Not started	
Performance	Not started	
Usability and accessibility		Inclusion working group?
Legal procedures and obligations		Trust and liability working group?

# Challenges

The main challenge is getting the time and commitment of participants  
– they have day jobs!

Need for ongoing work between workshops



## Interoperability and Standards Working Group

Thank you

