# Plans for Alpha

Mike Crockart

**Digital Scotland**

**To develop a common public sector approach to online identity assurance, as part of digital public services;**

**Objectives** include, To develop a solution that;

A **common approach** to online identity assurance and authentication for access to public services, that supports the landscape and direction for digital public services delivery
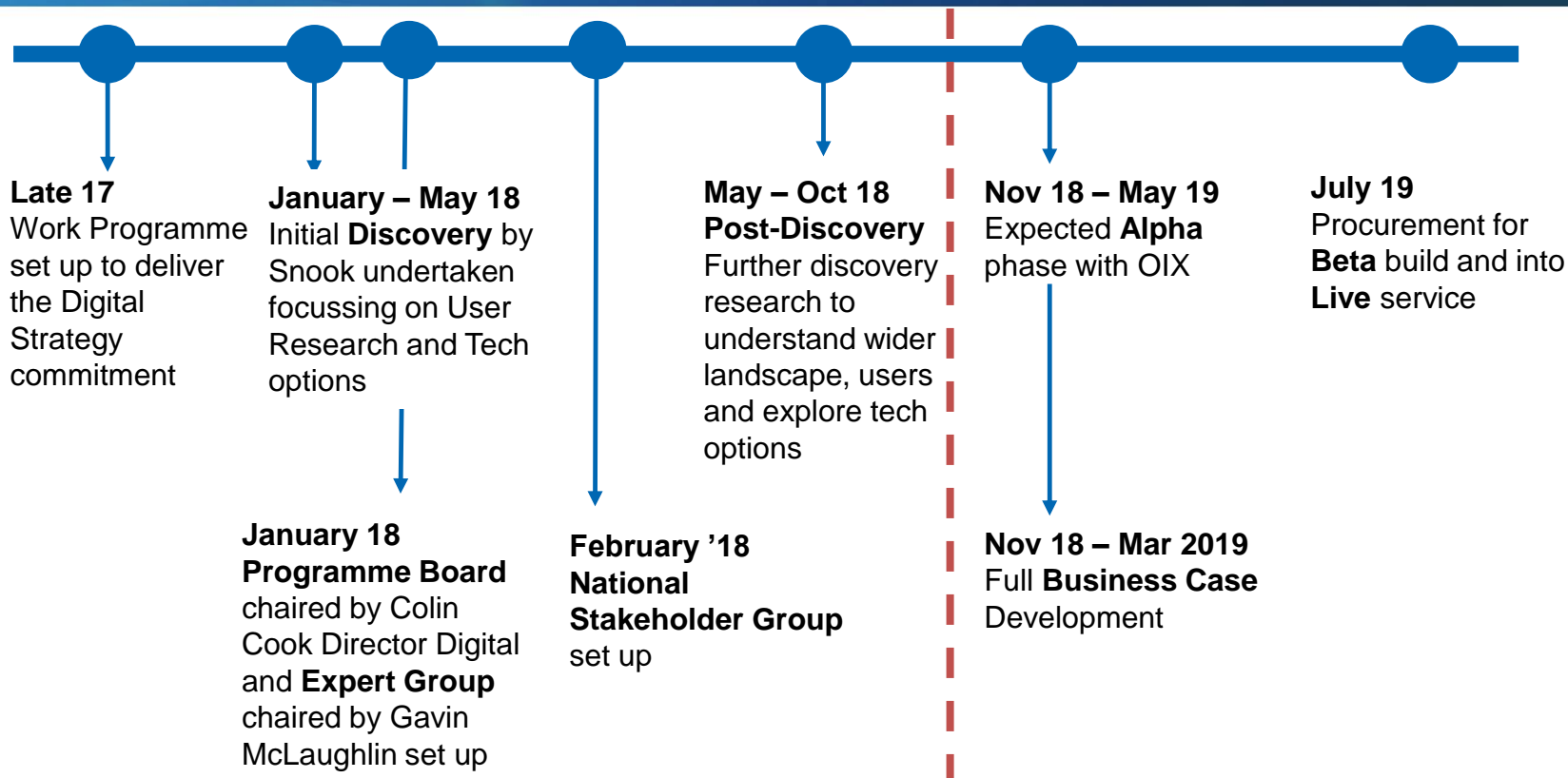
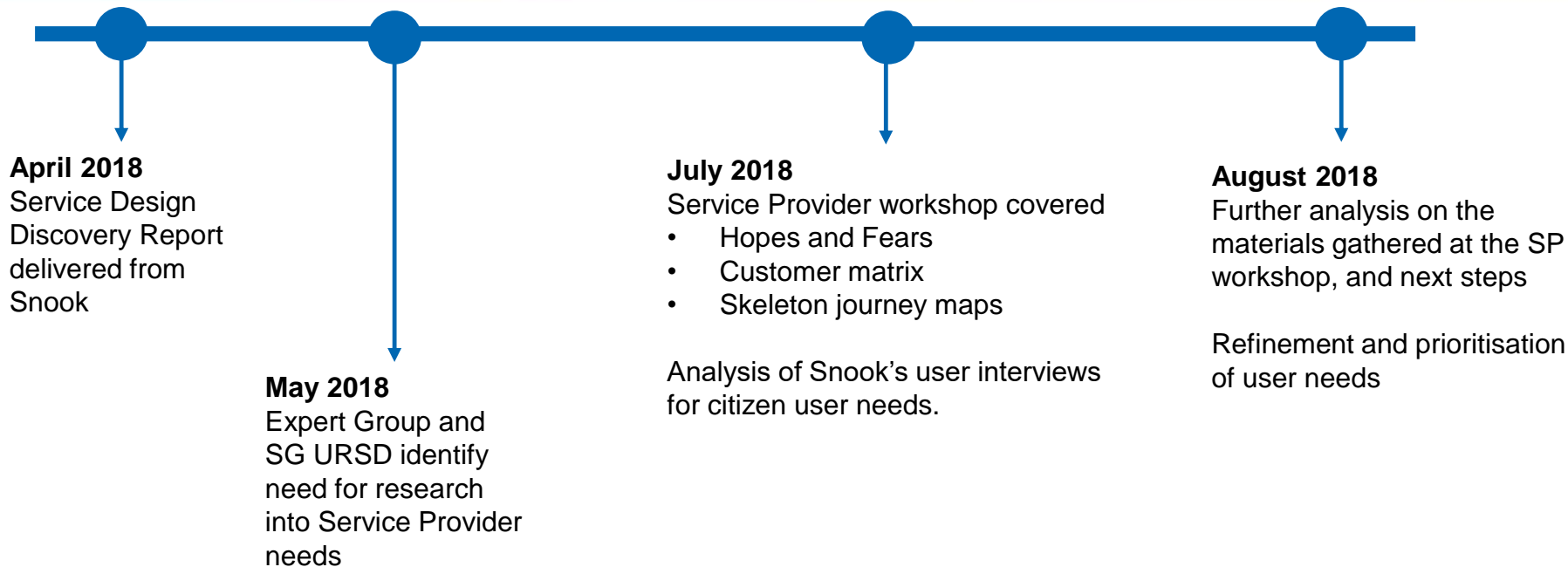Is designed with and for **members of the public** (service users) and that stakeholders can support

Works: is **safe, secure, effective, proportionate, easy to use, and accessible**; and forms part of public sector digital services

Where members of the public can be confident that their **privacy** is being protected

Brings **value for money and efficiencies** in the delivery of digital public services

Can **evolve and flex** with changes that occur in the future (future proofed), e.g. changing in response to new technologies.

# High-level Timeline
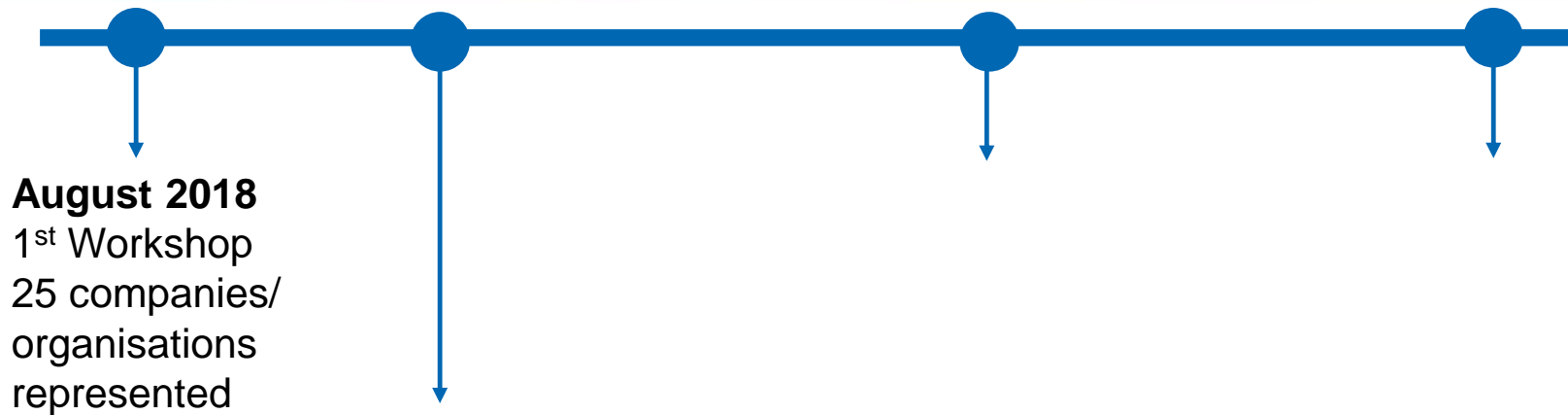
**Late 17**
Work Programme set up to deliver the Digital Strategy commitment

**January – May 18**
Initial **Discovery** by Snook undertaken focussing on User Research and Tech options

**January 18 Programme Board** chaired by Colin Cook Director Digital and **Expert Group** chaired by Gavin McLaughlin set up

**February '18 National Stakeholder Group** set up

**May – Oct 18 Post-Discovery**
Further discovery research to understand wider landscape, users and explore tech options

**Nov 18 – May 19**
Expected **Alpha** phase with OIX

**Nov 18 – Mar 2019**
Full **Business Case** Development

**July 19**
Procurement for **Beta** build and into **Live** service

**Digital Scotland**

**April 2018**
Service Design
Discovery Report
delivered from
Snook

**May 2018**
Expert Group and
SG URSD identify
need for research
into Service Provider
needs

**July 2018**
Service Provider workshop covered
- Hopes and Fears
- Customer matrix
- Skeleton journey maps

Analysis of Snook's user interviews
for citizen user needs.

**August 2018**
Further analysis on the
materials gathered at the SP
workshop, and next steps

Refinement and prioritisation
of user needs

The benefits include;

- A worldwide, non-profit, cross sector membership group, providing industry leadership for online identity assurance.

- Access to a very broad range of orgs. operating in the online ID space including the potential ID provider (IDPs) that we would seek to collaborate – Improvement Service (myaccount) GDS (GOV.UK Verify) and other providers of identity services (e.g. Post Office and Experian);

- Compatible with our Open Government approach, projects are conducted in the open, participation in the alpha and observation is also open to non OIX members.

## In a 'standard' alpha, we typically:

Contractually engage with one or more suppliers, often via competitive tender

Define, in as much detail as we are able to, our user stories (functional) / system quality attributes (non-functional requirements)

State a number of deliverable documents / artefacts

Have well-understood risk management processes / mature legal approaches should suppliers fail to deliver

Often expect the technology selections made in alpha to be the technology selections for beta
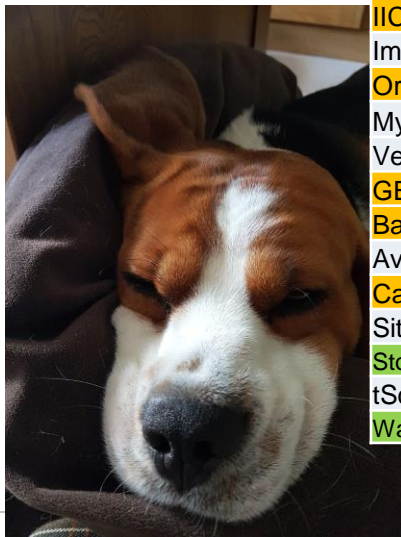
## With the innovative OIX approach, we are:

First and foremost, proving the conceptual architecture pattern is feasible, and learning lessons

Reliant on each provider seeing enough value in the prototype to invest time and resources

Constrained in the artefacts we can mandate suppliers provide (both up-front, and during alpha)

Having to take advantage of the environments / infrastructure that can be provided without commercial cover

Delaying technology selections until later in the process (which has knock-on impacts to governance of end solution)

**August 2018**
1st Workshop
25 companies/
organisations
represented

| |
|---|
| ASE Consulting |
| Avocosecure |
| Barclays |
| Cabinet Office/GDS |
| Consult Hyperion |
| Digital Office, Scottish Local Government |
| Disclosure Scotland |
| Etive |
| Experian |
| GB Group |
| Idemia |
| IIConsulting |
| Improvement Service |
| Microsoft |
| Mvine |
| Mydex |
| OIX |
| Origo |
| Post Office |
| Sitekit |
| Social Security Scotland |
| TransUnion |
| Verisec |
| Yoti |

# Homework returned?

| Company | Attended 1st Workshop | Signed up for 2nd workshop | Submitted Bid |
|---|---|---|---|
| Post Office | Yes | Yes | Yes |
| Cabinet Office/GDS | Yes | No | No |
| Mvine | Yes | Yes | Yes |
| Microsoft | Yes | Yes | Yes |
| Idemia | No | Yes | Yes |
| Yoti | Yes | Yes | Yes |
| Experian | Yes | Yes | Yes |
| Etive | Yes | Yes | Yes |
| IIConsulting | No | No | No |
| Improvement Service | Yes | Yes | Yes |
| Origo | Yes | No | No |
| Mydex | Yes | Yes | Yes |
| Verisec | Yes | Yes | Yes |
| GB Group | Yes | No | No |
| Barclays | Yes | No | No |
| Avocosecure | Yes | Yes | Yes |
| Call Credit | Yes | No | No |
| Sitekit | Yes | Yes | Yes |
| StormID | No | Yes | Yes |
| tScheme | Yes | Yes | Yes |
| Wallet Services | No | Yes | Yes |

**Digital Scotland**

**OIX** UK Europe

## Proposed Alpha Project for Online Identity Assurance

### Confirmation of Interest

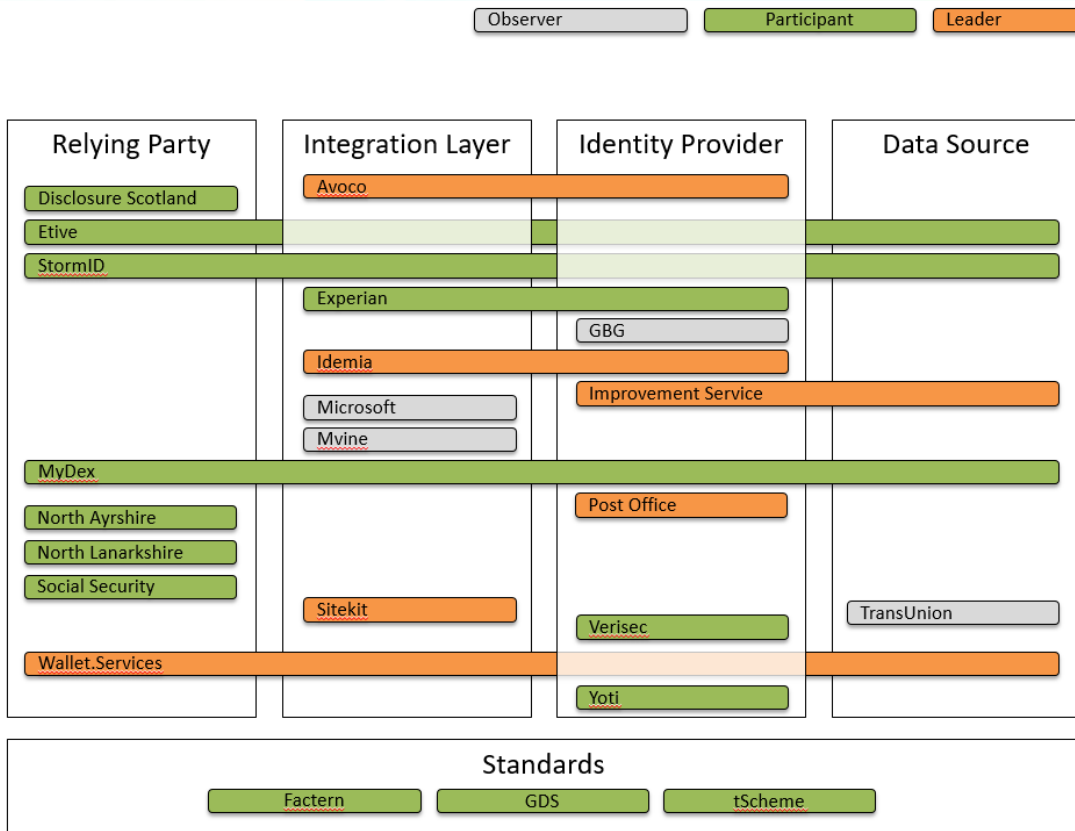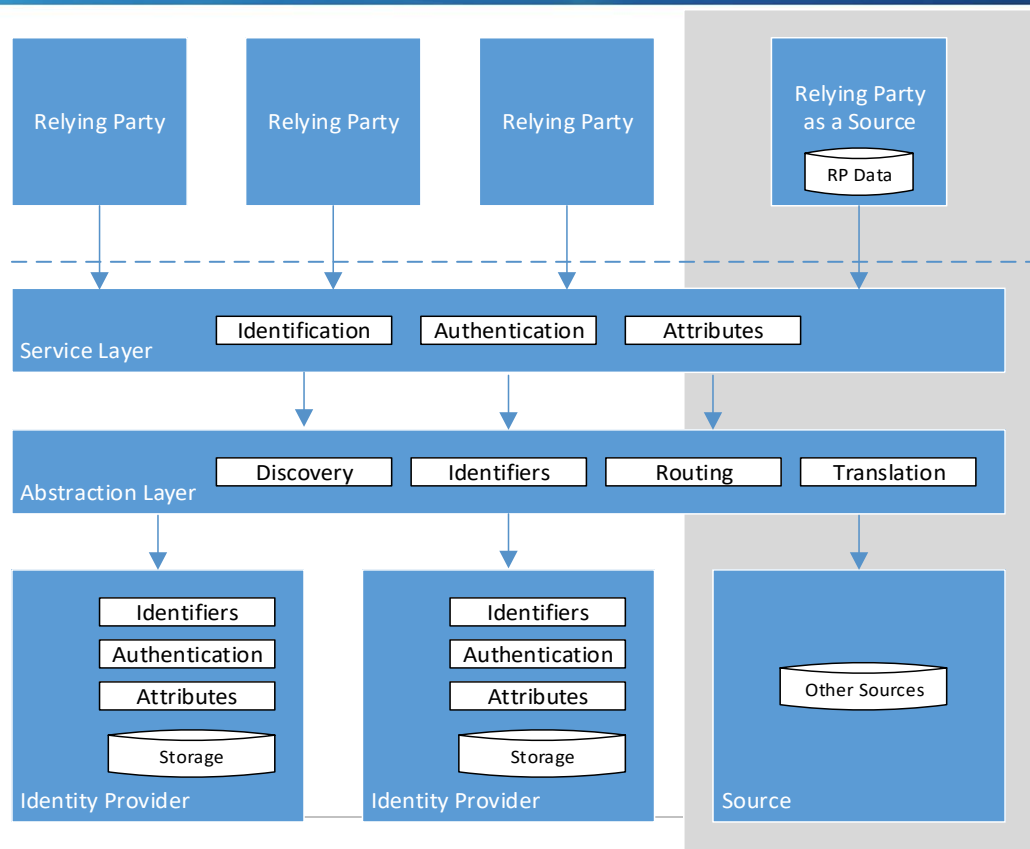| | |
|---|---|
| Name of organisation | |
| Contact person name, email and phone number | |
| Proposed role | |
| Type of involvement | |
| Description of assets and capabilities you propose to bring to the project | We act as the in approved asses Meter Key Infra List including e We believe we assessing, advis identity where We are technol organisation wh digital transacti We have matur scheme. We ar required. We have real world experience of what has and has not worked. |
| Indication of level of involvement desired | (Leader, Active participant, Follower, Other) Active Participant |
| Possible locations for collaborative working | (Space in own office, Ability to collocate in Edinburgh, Other ideas) Edinburgh, London, and / via dial in as well when required |
| Any restrictions or limitations on what you can do | |

We have real world experience of what has and has not worked.

| Indication of level of involvement desired | (Leader, Active participant, Follower, Other) Active Participant |
|---|---|
| Possible locations for collaborative working | (Space in own office, Ability to collocate in Edinburgh, Other ideas) Edinburgh, London, and / or via dial in as well when required |
| Any restrictions or | As a small organisation we need to prioritise our contracted work |

| Observer | Participant | Leader |

| Relying Party | Integration Layer | Identity Provider | Data Source |
|---|---|---|---|
| Disclosure Scotland | Avoco | | |
| Etive | | | |
| StormID | | | |
| | Experian | | |
| | | GBG | |
| | Idemia | | |
| | Microsoft | Improvement Service | |
| | Mvine | | |
| MyDex | | | |
| North Ayrshire | | Post Office | |
| North Lanarkshire | | | |
| Social Security | | | |
| Wallet.Services | Sitekit | Verisec | TransUnion |
| | | Yoti | |

**Standards**

| Factern | GDS | tScheme |

- Many OIX providers can perform many roles
- There are multiple providers to choose between at each layer (RP/IL/IdP/DS)
- Combinatorial explosion makes standard evaluation of multiple options inordinate
- Some potential providers of an end solution have chosen to be observers of the alpha, but may still wish to be involved in future phases
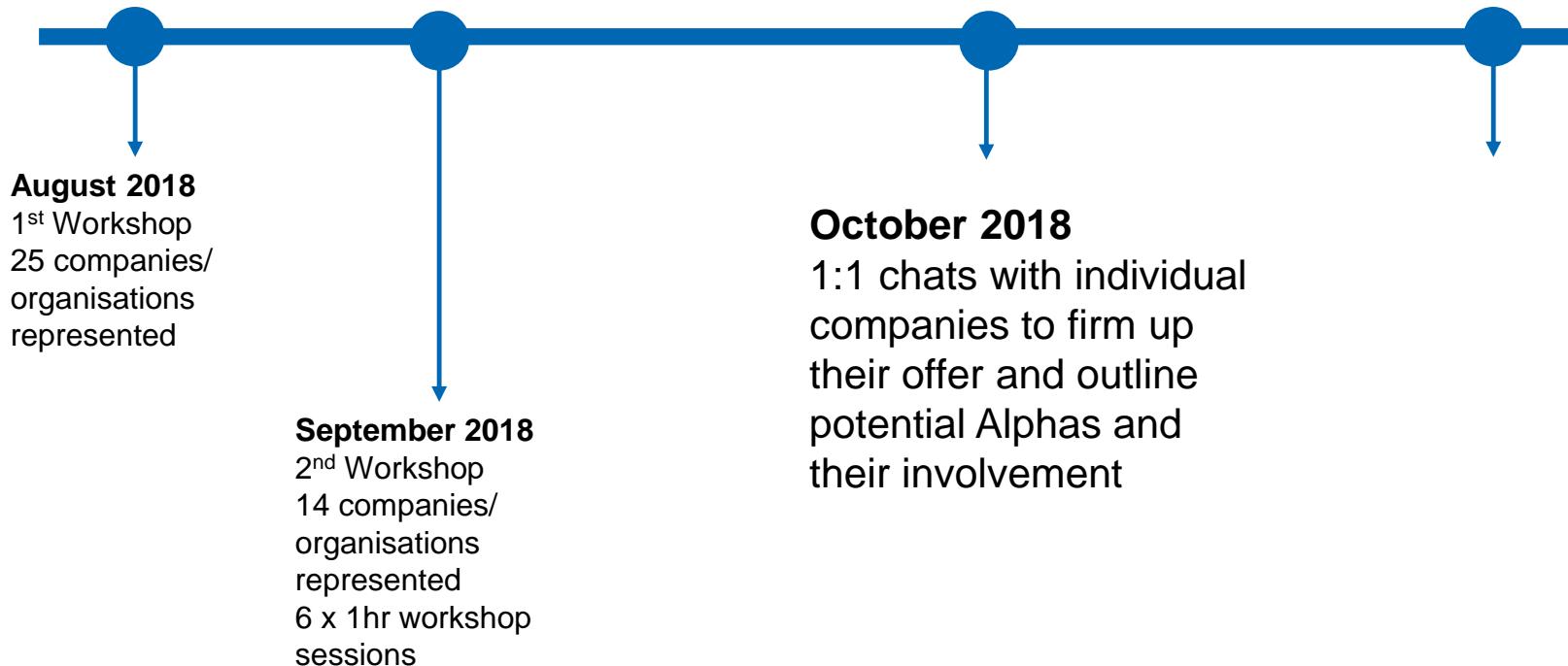
**Digital Scotland**

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14 companies/
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6 x 1hr workshop
sessions

# Project Proposals Summary

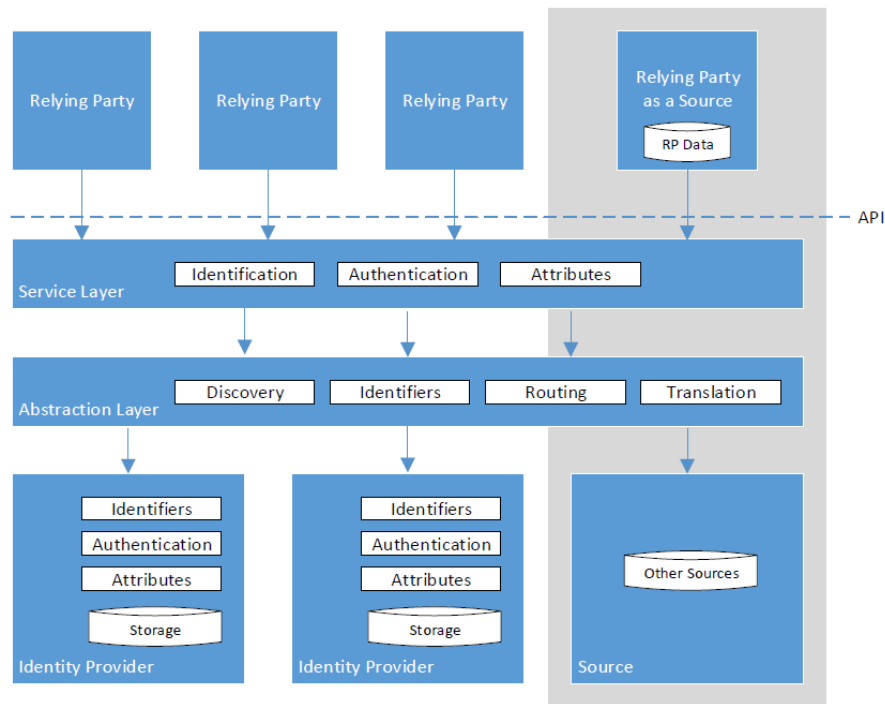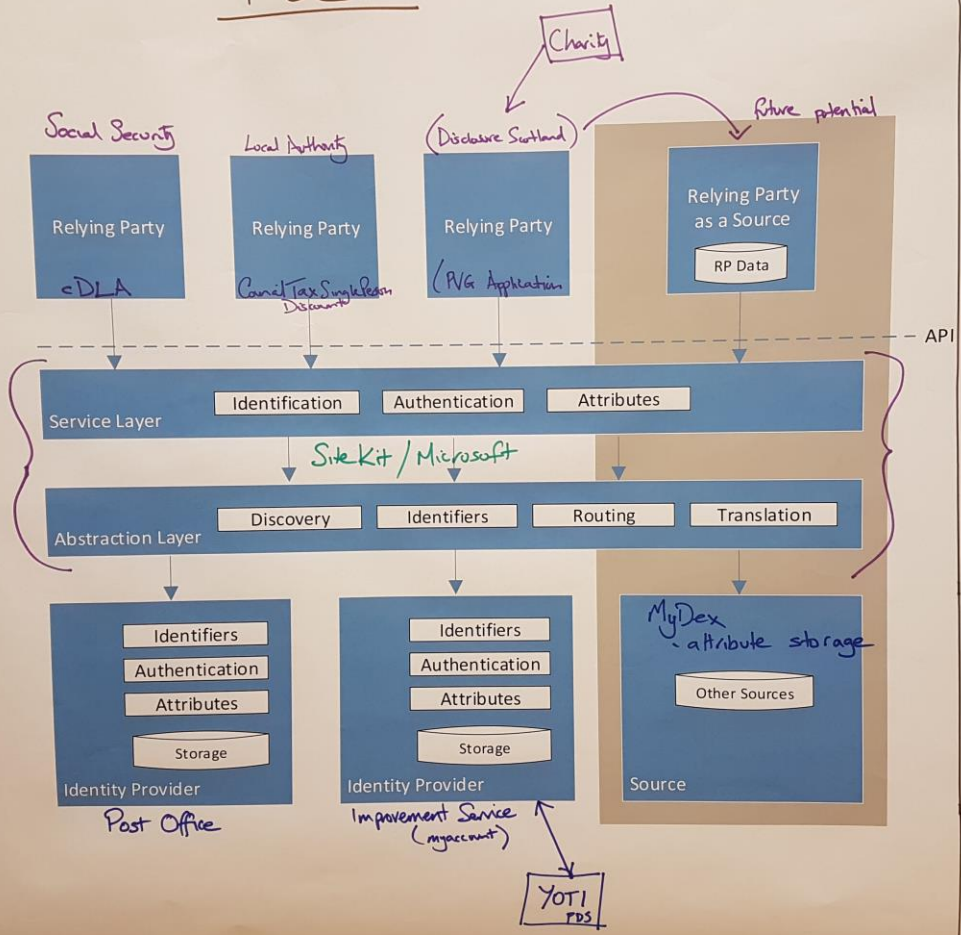| | |
|---|---|
| **Trust Anchors** | Using Trust Anchors (i.e. trusted individuals that people interact with) as a means of establishing digital identity |
| **Alias ID** | There are several categories of vulnerable people where an Alias ID may be needed – something that allows delivery of services to be joined up whilst protecting the identity of the individual (or at least not be unnecessarily intrusive). Examples discussed included Refugees, Homeless People and Victims of Domestic Violence |
| **IDP Integration into LA** | How can a digital identity help wi[...] Authorities need to go through |
| **National Entitlement Card and Digital ID** | There are many relying parties w[...] schools, transport providers acro[...] The goal of this breakout session[...] source of verified attributes to o[...] identity and how an online assured identity could be used to streamline applications for a NEC by people with disabilities and approach 60. |
| **Portable ID** | Test the use of a portable digital identity used across two different services but high LoA services. |
| **PVG Check for a Local Authority** | PVG check done by Disclosure Scotland (DS) attached to digital identity and then asserted digitally by user to LA. |

| | |
|---|---|
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1:1 chats with individual
companies to firm up
their offer and outline
potential Alphas and
their involvement

**Old Skool**

**Stream 1: Proof of Concept**

This stream will build a PoC to test use cases for the creation and use of digital identities in the context of cDLA and the Single Person Council Tax Discount.

The proposed scope for this stream is as follows:

**Relying Parties**: Social Security and a Local Authority

**Services**:

Applying for Child DLA (Social Security)

Applying for Single Person Council Tax Discount (Local Authority)

**Use cases**:

First time applicants for cDLA requiring creation of digital identity (LoA2)

First time applicant of Council tax single person discount requiring creation of digital identity (LoA1)

First time applicants for cDLA where person has digital identity created previously when applying for Council tax single person discount

First time applicants for Council tax single person discount where person has digital identity created previously when applying for cDLA

**Stream 2: Standards and Interoperability Analysis**

Broadly speaking, the digital identity market in the UK currently consists of:

GOV.UK Verify Identity Providers certified against GPG 44 and 45 and the Verify Ops Manual;

Other providers offering similar services but which are not certified against the GPGs.

This stream will analyse the gap between these Verify and non-Verify providers, consider options for obtaining equivalence for Scottish public sector usage

The proposed scope for this stream is as follows:
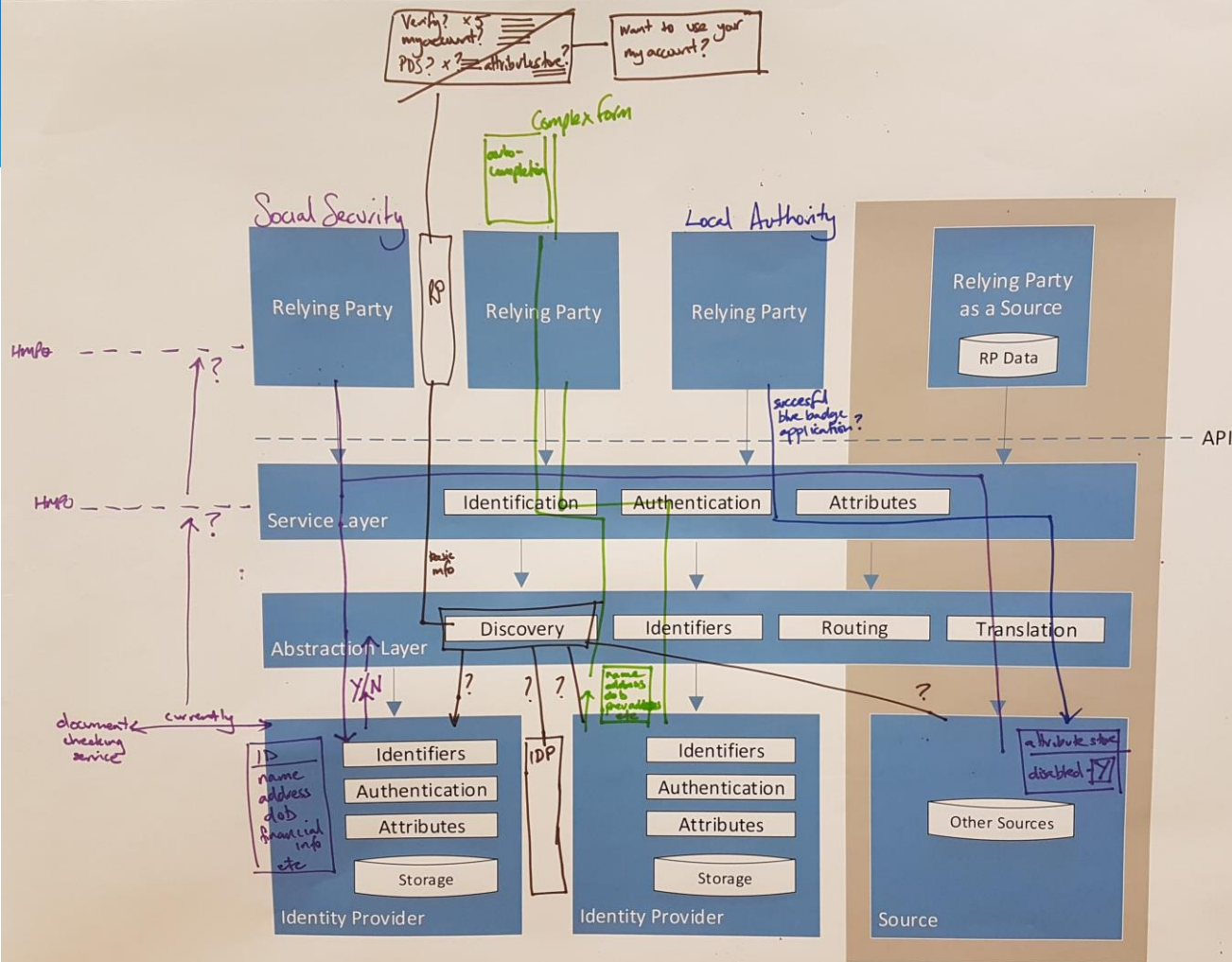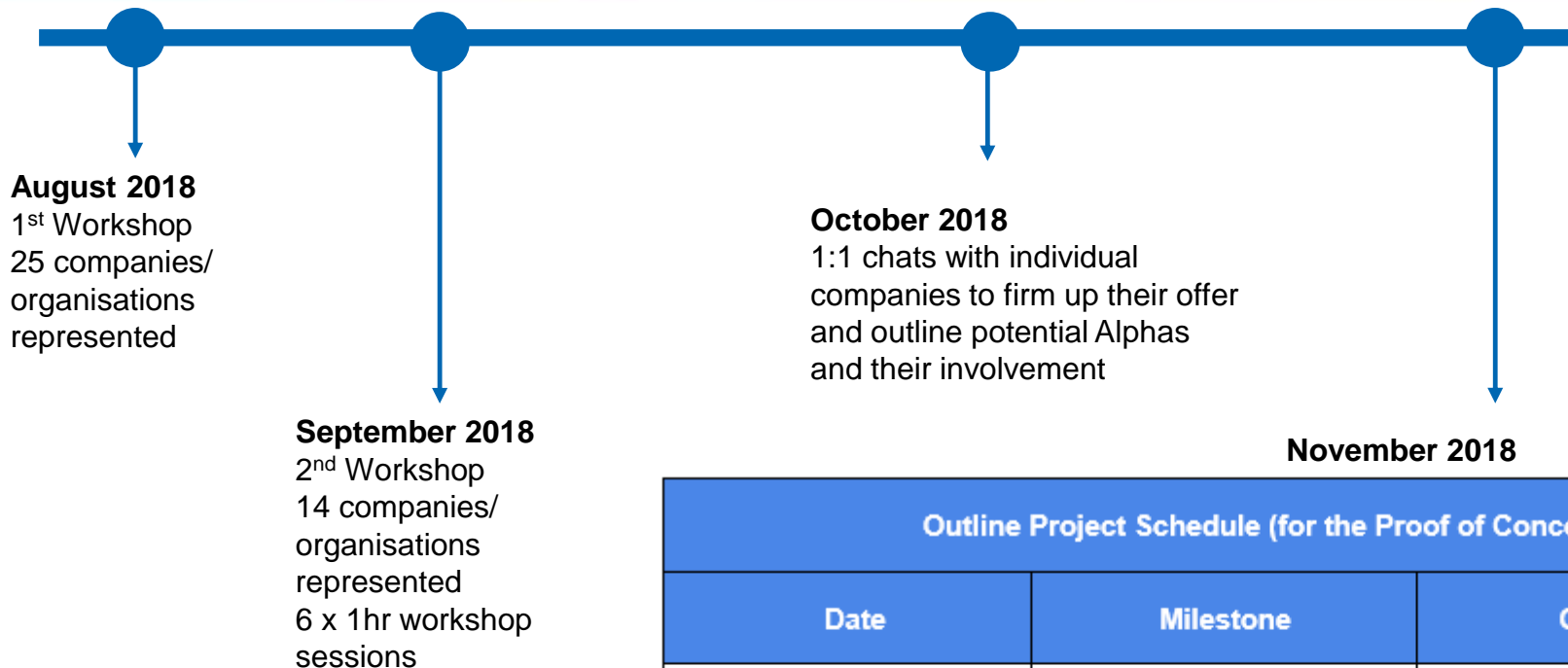
**Baseline Identity Standards**

**Extended Identity Standards**

**Waivers**

**Standards for Attribute Assertion**

**Commercial Models**

**Old Skool**

**Digital Scotland**

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**November 2018**

| Outline Project Schedule (for the Proof of Concept) | | |
|---|---|---|
| **Date** | **Milestone** | **Other details** |
| | *The following are just example milestones* | |
| T | Kick-off workshop | |