Future Network for Government (FN4G)

Pre-market Launch
15th November 2022
Getting the most from this session

- Your line was muted on entry

- Ask questions via the Q&A box
  - We will put them to presenters as soon as reasonably able to

- To participate verbally, please ‘raise your hand’
  - We will come to you at the next opportunity and allow you to talk
  - NB: You will need to unmute
Getting the most from this session

- A copy of the slides will be available on the Innopsis website after the event.

- This event is being recorded. The video recording will be available to everyone via the Innopsis website until the end of November, after which it will only be available to Innopsis members.
Welcome & introductions

FN4G programme overview and the role of Innopsis

Innopsis engagements and the objectives for this pre-market engagement specifically

How this engagement will work

Approach for funding the transformation

Timeline and next steps
The team today

**Agatha Blake**
Cabinet Office
- Programme Delivery Manager within the Cabinet Office
- Worked as a Senior Private Secretary within the Central Digital and Data Office
- Was once a consultant for a built environment communications agency

**Mark Smith**
Cabinet Office
- Head of the Public Services Network (PSN) and Cyber Compliance
- Works with organisations across the public sector to help them connect with each other using the PSN
- Senior Responsible Officer for the FN4G programme

**Keith Smith**
Innopsis
- Marketplace Development Manager at Virgin Media O2 Business
- Helped create the PSN and HSCN environments
- Architected OSS & BSS systems for several fixed and mobile carriers worldwide
Today's objective

The Future Networks for Government (FN4G) team, part of the Cabinet Office’s Central Digital and Data Office (CDDO), is helping organisations to migrate away from the Public Services Network (PSN) as it’s increasingly hard to secure.

The team is encouraging organisations to migrate to modern network solutions, which offer more competitive commercial terms as well as greater flexibility and scalability.

Launch the pre-market industry consultation for the FN4G programme

Outline the objectives of the programme and consultation

Describe the Innopsis engagement that will implement the consultation

Highlight some of the benefits of participating in the engagement

Answer your initial questions
FN4G Overview
Mark Smith & Agatha Blake
PSN - The Next Steps
1. Stocktake & purpose

2. Opportunities to improve

3. Focus areas
1. Stocktake & purpose

2. Opportunities to improve

3. Focus areas
1. Stocktake & purpose

2. Opportunities to improve

3. Focus areas
1. Stocktake & purpose

2. Opportunities to improve

3. Focus areas
fn4g@digital.cabinet-office.gov.uk
The role of Innopsis
Who are Innopsis?

- Non-profit industry association working on behalf of suppliers of digital infrastructure to the public sector – our members
- Originally established as part of the Public Services Network (PSN) operating model, working with government to define the PSN marketplace
- A body of industry experts, supporting a functioning marketplace for both public sector buyers and suppliers
Members benefit from an extensive content archive (currently in transition) with access to experts and stakeholders.

Innopsis engagements are normally for the exclusive benefit of our members.

However, this engagement is open to all – a membership is not required.
Why are we doing this?

Alignment to Innopris objectives: support a functioning marketplace for both buyers and suppliers

Alignment to ToR objectives: minimise upfront investment costs for both buyers and suppliers

Alignment to Cabinet Office objectives: help organisations to migrate away from the Public Services Network (PSN)
Engagements
To collectively define the future we want to experience.
Connect, Share, Improve.
“The best way to predict the future is to invent it.”

Alan Kay, 1971
“Documentation is a love letter that you write to your future self.”

Damian Conway, 2005
What to expect from an Innopsis engagement

Occur when they need to

A collaborative engagement of the willing

Terms of reference

Deliverables strong enough to be used in subsequent procurements

Architectural models & designs
Compliance obligations
Commercial structures (definitions)
Events
Impact assessments
Governance models (recommendations)
Risk assessments
Service management models (definitions)
Security requirements
Standards
Technical requirements
Terms & conditions (recommendations)
HOW STANDARDS PROLIFERATE:
(SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION:
14 COMPETING STANDARDS.

14?! RIDICULOUS!
WE NEED TO DEVELOP
ONE UNIVERSAL STANDARD
THAT COVERS EVERYONE'S
USE CASES.

SITUATION:
15 COMPETING STANDARDS.

Source: https://xkcd.com/927
Focus not on how a product, process, or service shall function
Instead, focus on how they shall interwork with products, processes, and services in the same class - while enabling competition and differentiation.
Collaboration that predicts the future

A collaborative engagement of the willing

Deliverables strong enough to be used in subsequent procurements
The objectives for this engagement
Formal statement of context

This engagement is construed under the ambit of the Cabinet Office, with all aspects of discussion and work being non-commercial and pursued at the invitation of Her Majesty’s Government.

The proposed discussions and work are not intended to affect existing contractual relationships, bind any of the participants in terms of future requirements, service/product offerings, or exclude those who do not participate in the engagement.

Any queries in connection with these terms of reference should be raised with one of the engagement leads:

Agatha Blake - Overall Programme Lead, Cabinet Office
Keith Smith - Day to Day Management, Innopsis Ltd

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Objectives: Overview

- Help organisations to migrate away from the Public Services Network (PSN) as it's increasingly hard to secure.
- We’ll discuss, test, and iterate technical models, service models, and different ways of working.
- We hope the outcome will mean PSN users can procure against the standards and models we will create so that they can improve their network security posture and implement a more modern network and telecommunications services environment.
Objectives: Specifics

- Enable full network and service inter-working in a multi-supplier environment, enabling third-party value-added services to the Public Sector, through adherence to agreed open inter-working standards as identified through governance.
- Appear to consumers as a single network regardless of its actual physical construction.
- Enable access no matter the device or where it is accessing the network from.
- Enable service management in the multi-supplier environment so that incidents and problems can be resolved within appropriate timeframes.
- Enable environments that do not inhibit or compromise higher security participating environments, while ensuring that Public Cloud and the Internet can be utilised by buyers, service providers, and suppliers.
- Describe an achievable transition approach to help move public sector from legacy environments to FN4G.
Objectives: How?

- Define architectural market models for FN4G that are able to realise the goals and requirements of the FN4G programme for the customers and the suppliers
- Be collaborative, open, and iterative
- Minimise upfront investment costs for both buyers and suppliers
- Take a default position to align with existing policies, principles, and processes
Objectives: Timescale

- Complete with enough time for proposals to be included in Cabinet Office guidance
- ...and for inclusion in future tender documents

Target: 28th February

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Objectives: Outputs

- Workstreams: note lessons from PSN & HSCN, consider policy & programme objectives, and make proposals to the steering committee

- Steering committee: assess workstreams’ proposals and make formal recommendations to Cabinet Office

- Minute all meetings & decisions, document all relevant materials
Objectives: Success

- Recommendations accepted by Cabinet Office and represented in future standards documents that can be referenced in future procurements

- To be recognised as an open and fair engagement
How will this engagement work?
Terms of reference

The complete terms of reference:

NB: Membership to the engagement group required

Engagement leads:
Agatha Blake - Overall Programme Lead
Keith Smith - Day to Day Management

- Groups to work collaboratively, supplier representation coordinated by Innopsis
- Groups to meet weekly so that progress is monitored and that issues can be aired amongst the group
- Chairs endeavour to ensure that all contributions from any interested parties are incorporated into their team’s considerations
- No NDAs, use Chatham House Rule
- Escalations should be made to the steering committee who will adjudicate as required
Terms of reference continued...

Be prepared to compromise in order to meet the February timeline

However, proposals should document opposing views (of actively participating suppliers) where consensus was not achieved as an appendix for Cabinet Office to review and consider

- Wherever a recommendation is at variance, working groups will conduct a cost-benefit analysis to show that any impact is justified WRT expected benefits
The work areas
Main Work Areas

<table>
<thead>
<tr>
<th>Work Area</th>
<th>Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technical</td>
<td>To discuss and deliver a technical architecture that is capable of realising the FN4G programme’s requirements</td>
</tr>
<tr>
<td>Transition and commercial</td>
<td>To discuss and deliver a transition approach (or approaches) that can be used by Public Sector buyers transitioning from PSN to FN4G, that considers high level commercial constraints and demonstrates alignment to procurement regulations</td>
</tr>
<tr>
<td>Security</td>
<td>To discuss and deliver an appropriate security baseline for FN4G</td>
</tr>
<tr>
<td>Service management</td>
<td>To discuss and deliver a service management architecture for the multi-supplier environment so that incidents and problems can be resolved within appropriate timeframes</td>
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Steering Committee

- Take responsibility for concluding a manageable and meaningful set of recommendations for formal submission to Cabinet Office for FN4G
- Take responsibility for matters relating to coordination and discussion across the work areas
- Make judgements on proposals from the work areas and either accept or reject them
- Provide clear rationale for decisions made, including suggested changes for rejected proposals where appropriate
- The joint chairs from each work area should attend the steering committee
Transformation

How the transformation could be funded
Transformation funds available to Central Government

“In total the government is investing £2.6b in cyber and legacy IT over the SR21 period

§4.135 Spending Review 2021

Departments can call against the legacy transformation funds, especially if their business case aligns to the ‘strategy for cyber’ objectives
But...

Whilst it would be unusual for a new spending review to be undertaken so early in the cycle, the government may decide that the current financial climate requires it.
Timeline
Timeline and next steps
Objectives: timescale

- Complete with enough time for proposals to be included in Cabinet Office guidance
- ...and for inclusion in future tender documents

- Target start: end of November
- Target completion: 28th February
Q&A