Bank of England

CBDC Technology Forum

13 October 2023

Agenda

- Welcome
- Subgroup recap and clarifications
- Subgroup presentations
- AOB

Subgroups Recap

Technology Forum subgroups recap

- We created four subgroups under the Technology Forum. They will run for a fixed amount of time (6-12 months).

- These groups will focus on targeted questions related to architectures, components and features of a digital pound system. The topics and questions those groups explore will be set by the Bank.

- The goals of the subgroups are to:

  - Harness the experience, creativity and knowledge of the Tech Forum members to inform design considerations related to a potential digital pound.

  - Provide diversity of views on technology considerations related to a digital pound.

  - Provide input on specific technical topics as required by the Bank.

- Subgroups will present the output of their work at future Technology Forum plenary meetings

  - There will be a maximum of two presentations per meeting.

  - Subgroups may present at multiple plenary meetings.

Technology Forum subgroups

- The subgroups are not decision making or advisory in an official capacity.

- The Bank is under no obligation to accept or endorse the output of the subgroups.

  - Although the Bank may incorporate the outputs of the subgroups into its work – for example, in the approach to the blueprint, or in scoping a technology experiment.

- Subgroups are responsible for their own administration and co-ordination; each has a lead member to coordinate the work.

- A Bank observer may join subgroup meetings.

- With permission of the Bank and the subgroup lead, you may invite a subject matter expert (SME) from your organisation to work in your subgroup.

  - A SME from your organisation may also attend the Technology Forum plenary meeting in the context of a subgroup presentation if they have contributed to that presentation, but prior permission from the Bank is needed.

Subgroup clarifications

- Please set aside some time to contribute to the subgroups.

- Each group is expected to produce a range of options with a comparison for their questions.
  - There can be a recommendation. But has multiple options should be compared.

- Groups are not expected to conduct experiments or proofs of concept.
  - The bank may use the comparison provided by subgroups to conduct its own technology experiments.

- Ways of working.

Hypothetical Transaction Privacy Model

	Central Bank	Payer PIP	Payee PIP	Payer	Payee
Payer Ledger ID	🟩	🟩	🟨	🟥	🟥
Payee Ledger ID	🟩	🟨	🟩	🟥	🟥
Payer Alias	🟥	🟩	🟩	🟩	🟩
Payee Alias	🟥	🟩	🟩	🟩	🟩
Payer Ledger ID Balance	🟩	🟩	🟥	🟩	🟥
Payee Ledger ID Balance	🟩	🟥	🟩	🟥	🟩
Payer PII	🟥	🟩	🟨	🟩	🟨
Payee PII	🟥	🟨	🟩	🟨	🟩
What is purchased	🟥	🟨	🟨	🟩	🟩

- This is information to support subgroups' thinking.
- It is not settled digital pound policy and is based on publicly available information.
- Is based on Project Rosalind.

Legend	Can see the data	TBC or User Choice or Transaction Dependent	Cannot see the data

Use case information for subgroups

- The digital pound is intended to support everyday payments as well as being a platform for innovation.
- This is information only to focus subgroups' thinking.
- It is not settled digital pound policy.

Everyday payments

Platform for innovation

- In store PoS
- eCommerce
- P2P
- Salary
- Stretch cases:
  - Transit

- Use-case agnostic
- Conditional payments (DvP, PvP etc)

Use case agnostic APIs enabled private sector developed a broad range of innovative use cases in <u>Project Rosalind</u>

Payments

- PoS
- QR
- Smart Cards
- Offline Payments
- e-Sim Payments
- E-commerce
- One-click checkouts

Conditional Payments

- Cash on delivery
- Pocket money
- Gig economy workers
- Trade Finance
- Electronic receipts
- Micropayments
- Split payments

Integrations

- Smart assistants
- Web-3
- NFTs
- Card schemes
- Decentralised ID

Subgroup Presentations