

Status of the digital euro scheme's rulebook

**ERPB** 



# Preparing the digital euro scheme's rulebook to ensure standardisation



#### Draft rulebook

- Single set of rules, standards and procedures:
  - user / access management
  - liquidity management
  - transaction management
- It will outline how to implement the regulatory provisions and design choices with technical standards and procedures.



#### Key guiding principles

- Attractive to all actors in European retail payment market, most importantly to end-users;
- Leverage and progress on existing standards and scheme solutions to the degree possible;
- Enable **market innovation** on top of digital euro basic means of payment.

Draft rulebook will be sufficiently flexible to accommodate any future adjustments deriving from **digital euro legislative process**.

### Collaboration with stakeholders at the core of rulebook development

Digital euro scheme's **Rulebook Development Group (RDG)** based on **broad market involvement** to represent society at large:

- Consumers, retailers and payment service providers;
- Central banks and observers.



# State of play of the rulebook

### Regular updates to maintain high transparency

#### 7 June 2023

#### Update on the work of the digital euro scheme's Rulebook **Development Group** The digital euro scheme's Rulebook Development Group (RDG) has made progress with distilling a rulebook based on the design choices endorsed by the Covering Council of the European Central Bank (ECB). The ultimate goal of the Group's work is to define the roles and contributions of the different actors so that the desired digital euro functionables and user experience can be coherently created by those different actors, while allowing for innovation and competition. The work of the RDG is subject to the final design decisions of the ECS's Governing Council and the This document summerises the progress made by the RDG and outlines the next steps, while providing additional background information on the Group's mandate Since the Group's first meeting on 15 February 2023, six key building blocks have been identified in order to structure the sections of the digital euro nulebook: (i) a functional and operational model (end-to-end flows, one requirements for supervised intermediaries, minimum user experience standards, etc.); (ii) an artherance model (acherne stirshilly criteria, oblinations of narticipants, etc.) interface implementation, technical standards, etc.); (iv) risk management. (v) scheme management (scheme governance, change management processes, (ii) softenin and (vi) scheme generics (defined terms, change history, scope of the digital euro actions, etc.). The proposed blocks over all sections of the digital euro rulebook and will be aligned with the design decisions approved by the ECB's of that work, which started in January 2023, is due to conclude in the fourth quarter of this year. Subject to endomement by the Eurosystem, the first draft is currently due to be sent out for public consultation in the first quarter of 2024. The RDG's work started with an initial focus on the demand side of the market As outlined in the time publicly available progress reports published in Transaction (2022), Transaction and Association (2022), Transaction (2022

https://www.ecb.europa.eu/euro/digital\_euro/ti meline/profuse/shared/pdf//ecb.degov230607 Digital\_euro\_RDG\_status\_update.en.pdf

#### **3 January 2024**



https://www.ecb.europa.eu/euro/digital\_euro/ti meline/profuse/shared/pdf//ecb.degov240103 RDG\_digital\_euro\_schemes\_update.en.pdf

#### 5 September 2024



# The rulebook's envisaged list of content to provide requirements and specifications

#### Envisaged table of content of draft rulebook



#### Draft digital euro rulebook

[1st intermediate draft]

- Document information
- Digital euro scheme scope and interplay
- Functional and operational model
  - High-level E2E flows
  - Identification and authentication
  - Dispute management principles
- Adherence model
- Technical scheme requirements
- · Defined terms and conditions
- Annexes
  - User journeys
  - Detailed end-to-end flows
  - FAQ



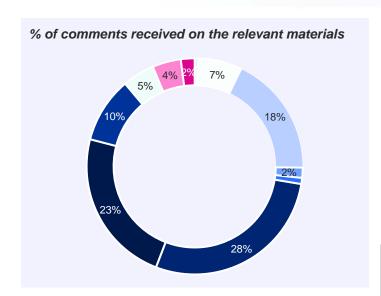
#### Draft digital euro rulebook

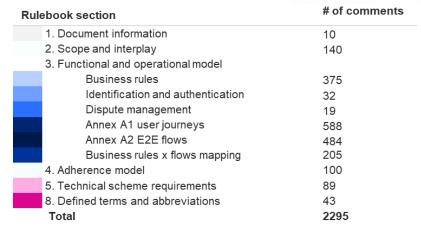
[2nd draft]

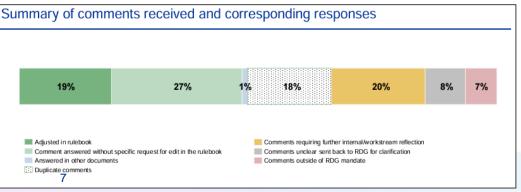
- Document information
- Digital euro scheme scope and interplay
- · Functional and operational model
  - High-level E2E flows
  - Identification and authentication
  - Dispute management principles
  - Minimum UX standards
- · Adherence model
- · Technical scheme requirements
  - Interface standards and specifications
- Risk management
- Scheme management
- Defined terms and conditions
- Annexes
  - Illustrative User journeys, detailed E2E flows, Branding standards, scheme compatibility and interoperability
- Detailed technical specifications, implementation guidelines, certification-related documentation
- FAQ

See second and third progress report on RDG.

# In Q1 2024 the RDG reviewed intermediate draft of rulebook in its entirety, all comments were assessed and will be addressed







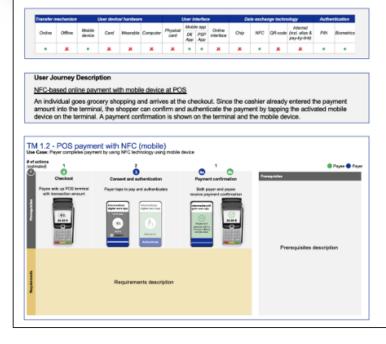
# Dedicated workstreams to collaborate with market representatives in developing rulebook sections

Workstream		Status	
<b>A</b> 1	Identification & Authentication	$\overline{\mathbf{V}}$	3 <sup>rd</sup> sprint concluded.
A2	Minimum User Experience Standards	✓	1 <sup>st</sup> sprint concluded; 2 <sup>nd</sup> sprint running.
A3	Branding	Ħ	In planning.
B1	Certification and Approval Framework	✓	1 <sup>st</sup> sprint concluded; 2 <sup>nd</sup> sprint running.
C1	Technical Scheme Requirements		4 <sup>th</sup> sprint concluded.
D1	Risk Management	<b>✓</b>	1 <sup>st</sup> sprint concluded; 2 <sup>nd</sup> sprint in planning.
F1	Scheme Compatibility	$\overline{\checkmark}$	2 <sup>nd</sup> sprint concluded.
G1	Front-End Implementation Specifications for End-User Interactions	✓	1 <sup>st</sup> sprint concluded; 2 <sup>nd</sup> sprint to kicked off in September.
G2	Front-End Implementation Specifications for Individual User to PSP Interactions	i	1 <sup>st</sup> sprint in planning.
G3	Front-End Implementation Specifications for Business User to PSP Interactions	<u>=</u>	1 <sup>st</sup> sprint in planning.
G4	Back-End Implementation Specifications for PSP to DESP Interactions	•	1 <sup>st</sup> sprint running.

Reviewed Active Hanned

### **Functional and operational model**

#### **Illustrative User Journey**

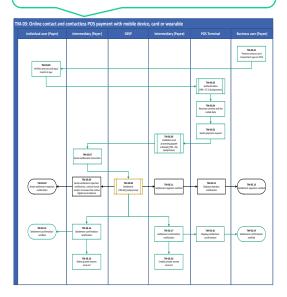


- Table highlighting the transfer mechanism, user devices/hardware, user interfaces, data exchange, technologies and authentication methods affected.
- User journey description form the end-user product description (EUPD) research.
- "Old" visualisation of each user journey, which includes steps, requirements and prerequisites.

Illustrative User Journey describes a use case from user's perspective and sequence of steps in a digital euro process (e.g. POS payment).

#### **End-to-End flow**

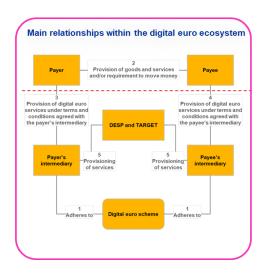
End-to-End flow describes a digital euro process from initiation to completion with all steps and entities involved.

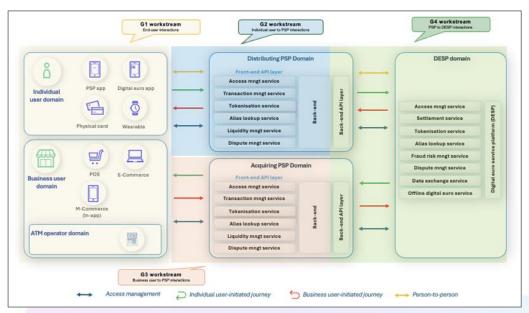


# **Technical scheme requirements**

#### High-level architecture and standards

- Foreseen digital euro high-level IT infrastructure.
- Digital euro interfaces should use existing standards and solutions to the extent possible.





# Way forward

- Preparation of the draft rulebook with the RDG and finalise over the course of the preparation phase:
  - Inclusion of RDG review comments;
  - Complete with additional sections and RDG workstreams.
- The final rulebook will be updated in line with the outcome of the legislative process.
- A next progress report on the RDG work is planned for Q1 2025.



# Thank you.

