COVEN

TESTNET WHITEPAPER

Social Payments, Shared Expenses & Collaborative Savings on Arc

Version	1.0
Release date	9 November 2026
Network	Arc Testnet
Asset	Testnet USDC (no real-world value)
Status	Public Testnet

Test. Transact. Collaborate. Build with Coven.

Abstract

Coven is a social payments application designed to make digital money more accessible, collaborative, and intuitive. It brings everyday financial interactions into a single platform, enabling users to send and receive USDC through usernames, manage shared expenses, and save collectively toward common goals.

Built on the Arc blockchain network, Coven combines familiar social payment experiences with on-chain transaction settlement. Its core functionality revolves around three activities: peer-to-peer payments, group bill splitting, and collaborative savings.

This whitepaper introduces the Coven Public Testnet, outlines its objectives, explains the application's core functionality, establishes tester eligibility requirements, and provides a framework for participation and activity verification.

All activities during this phase take place on Arc Testnet using testnet USDC, which has no real-world monetary value.

1. Introduction

Digital payments have become an essential part of everyday life. However, managing payments between friends, sharing expenses, and coordinating group savings can still involve multiple applications, manual calculations, and fragmented financial interactions.

Coven aims to simplify these experiences by bringing them together in one social payment environment. Rather than treating payments as isolated transactions, Coven introduces a collaborative approach to managing money. Users can interact through identifiable usernames, create groups, settle shared expenses, and contribute toward common financial goals.

The platform is designed around three principles:

- **Simplicity:** Make sending and receiving digital payments straightforward.
- **Collaboration:** Enable people to manage shared financial activities together.
- **Transparency:** Use blockchain infrastructure to provide verifiable transaction records.

The public testnet represents an important stage in validating these principles through real user interactions.

2. About Coven

Coven is a social USDC payments application built on Arc. Users create accounts through Google authentication, claim a unique @username, and establish a wallet PIN. Coven provisions a Circle wallet on Arc Testnet, allowing users to interact with the platform's payment features.

2.1 Core Features

Peer-to-Peer Payments

Users can send USDC directly to other users through their Coven usernames. Payments can include optional descriptions and are authenticated using the user's wallet PIN.

Social Circles

Users can create groups, invite other registered Coven members, and manage shared financial activities within a common space.

Bill Splitting

Coven allows users to create shared bills within circles. Members can pay their individual shares, with funds held in an on-chain escrow until the payment conditions are satisfied.

Collaborative Savings

Users can establish shared savings goals, define target amounts, and contribute funds collectively. Withdrawals require group approval, introducing a collaborative decision-making mechanism.

Additional Features

The application also supports payment requests, QR-based payments, transaction history, and referral invitations.

3. Testnet Overview

The Coven Public Testnet is an open testing environment designed to evaluate the application's functionality, reliability, and user experience before subsequent deployment phases. The testnet allows participants to interact with Coven using testnet USDC on Arc Testnet.

3.1 Testnet Information

Parameter	Details
Project	Coven
Testnet launch	9 November 2026
Network	Arc Testnet
Chain ID	5042002
Transaction asset	USDC
Asset value	No real-world value
Wallet infrastructure	Circle Wallets
Participation	Public
Activity verification	On-chain
Progress tracking	Coven Testnet Tracker

3.2 Objectives

1. **Account and wallet creation:** Evaluate onboarding, username registration, wallet provisioning, and authentication.
2. **Payment reliability:** Test USDC transfers between users and within circles.
3. **Escrow functionality:** Evaluate bill creation, individual payments, settlement, cancellation, and refunds.
4. **Collaborative savings:** Test goal creation, contributions, withdrawal approvals, and exit mechanisms.
5. **User experience:** Identify usability issues and areas requiring improvement.
6. **Network integration:** Evaluate transaction submission, confirmation, and on-chain activity indexing.
7. **Security and reliability:** Identify unexpected behaviour, transaction failures, and potential vulnerabilities.

4. Technical Infrastructure

Coven uses Arc Testnet as its blockchain environment and USDC as its primary transaction asset. The application combines account authentication, wallet infrastructure, smart contracts, and transaction indexing to deliver its core features.

4.1 Network Configuration

Parameter	Configuration
Network	Arc Testnet
Chain ID	5042002
RPC Endpoint	https://rpc.testnet.arc.network
Block Explorer	https://explorer.testnet.arc.io
USDC Contract	`0x3600000000000000000000000000000000000000`
USDC Decimals	6
SplitEscrow	`0x2aE96b391a9cd89fFFCeDC1c1528E1CEC79DEE35`
GoalPool	`0xf07D6A07313C3D470f8D3305ABC659fDD2462563`

4.2 Wallet Infrastructure

Coven uses Circle Wallets to provide users with blockchain wallet functionality. Users authenticate through Google, claim their usernames, and configure a wallet PIN. The application handles wallet provisioning and transaction interactions.

Users do not need to install MetaMask or manually manage a seed phrase to participate. The wallet PIN is required to authorize payment-related actions. Users should keep it private and secure.

4.3 Transaction Fees

Arc Testnet uses USDC for transaction fees in the supported transaction flows, eliminating the need for a separate testnet gas token. Testers should maintain a sufficient USDC balance to cover transaction fees and application activities.

4.4 Smart Contract Infrastructure

SplitEscrow: Supports the creation and settlement of shared bills. Contributions are held in escrow until the required payment conditions are met.

GoalPool: Supports collaborative savings through group contributions, withdrawal approvals, and an exit mechanism.

5. Participation and Eligibility

The Coven Public Testnet is open to individuals interested in testing social payments and collaborative financial applications. To qualify as an eligible tester, participants must complete five required activities.

5.1 Eligibility Criteria

No.	Requirement	Completion condition
1	Account setup	Create a Coven account, claim a username, and configure a wallet PIN.
2	Circle creation	Create at least one circle with another registered tester.
3	USDC payment	Complete at least one payment to a username or circle.
4	Bill splitting	Create a bill split or successfully pay a share.
5	Collaborative savings	Make at least one contribution to a savings goal.

All five requirements must be completed for a participant to qualify as an eligible tester.

5.2 Funding Prerequisite

Participants must obtain testnet USDC before performing transactions that require funds. Wallet funding is a prerequisite for completing the testnet activities, rather than a separate eligibility milestone.

Testnet USDC can be obtained through the official Circle faucet. Participants should select Arc Testnet and USDC when requesting funds.

5.3 Bonus Activities

Beyond the mandatory requirements, testers are encouraged to explore additional features:

- Sending and responding to payment requests.
- Making QR-based payments.
- Creating additional circles.
- Creating multiple savings goals.
- Inviting new participants.
- Completing additional transactions.

Bonus activities contribute to the participant's recorded activity but do not replace the five mandatory eligibility requirements.

5.4 Fair-Play Policy

- Each individual should participate using one account.
- Artificial accounts and coordinated transaction manipulation are prohibited.
- Circular transfers intended to inflate transaction counts or volume may be excluded.
- Only activities performed through the Coven application qualify.
- Direct interactions with smart contracts through external wallets do not satisfy application eligibility requirements.
- Failed or abandoned transactions do not count toward completed activities.

Coven reserves the right to review suspicious activity and update participation requirements when necessary.

6. Testnet Participation Guide

Participation involves creating an account, funding a wallet, and completing the required activities.

Step 1: Create an Account

1. Open the official Coven application.
2. Sign in using Google.
3. Claim a unique @username.
4. Configure your wallet PIN.

Step 2: Fund Your Wallet

1. Open the Receive section and copy your Coven wallet address.
2. Visit the Circle USDC faucet.
3. Select Arc Testnet and USDC.
4. Enter your wallet address and request funds.
5. Return to Coven and verify your balance.

Step 3: Create a Circle

1. Navigate to Circles and select New Circle.
2. Enter a circle name.
3. Add at least one registered Coven user.
4. Confirm circle creation.

Step 4: Send USDC

1. Select Send and search for a recipient using their @username.
2. Enter the payment amount and an optional description.
3. Confirm the transaction using your PIN.

Step 5: Create or Pay a Bill Split

1. Open an existing circle and select New Bill Split.
2. Enter the bill description and total amount.
3. Confirm the transaction.
4. Ask other members to open the bill and pay their respective shares.

Step 6: Create and Contribute to a Savings Goal

1. Open a circle and select New Savings Goal.
2. Enter a description and target amount.
3. Confirm goal creation.
4. Invite members to contribute and make at least one contribution.

Step 7: Verify Eligibility

1. Visit the Coven Testnet Tracker to monitor completed activities and check your eligibility status.

When all members have paid a bill split, the escrow automatically releases the funds to the bill creator. If a split is cancelled or reaches its deadline before all members pay, participants who have contributed can claim refunds.

Savings withdrawals require approval from every member. If a group cannot proceed with its savings goal, a member can initiate the exit mechanism. Following a 30-day countdown, the goal dissolves and members can

claim their respective contributions.

7. Activity Verification and Testnet Tracker

Coven provides a public Testnet Tracker to monitor participation and verify completed activities. The tracker automatically records supported transactions after they have been verified on-chain.

7.1 Tracker Components

Network Statistics: Displays aggregate testnet activity, including total testers, wallets created and funded, eligible participants, total transactions, and USDC transaction volume.

Individual Progress: Participants can search for their usernames or wallet addresses to view completed eligibility requirements.

Leaderboard: Displays participant activity, including transaction counts, transaction volume, and completed eligibility milestones.

Live Transaction Feed: Provides a view of recent verified activity, including transaction types, amounts, contract interactions, and block explorer references.

7.2 Recognized Activities

Activity	Verification source
Wallet funding	USDC contract
Peer-to-peer payment	USDC contract
Circle payment	USDC contract
Bill creation	SplitEscrow
Bill payment	SplitEscrow
Savings goal creation	GoalPool
Goal contribution	GoalPool
Goal payout	GoalPool

The tracker updates approximately every 30 seconds. Only successfully verified on-chain activity is recorded as completed.

8. Feedback, Reporting and Community Participation

The testnet is not only an opportunity to use Coven but also a way to contribute to its development. Testers are encouraged to explore the application, identify unexpected behaviour, and provide actionable feedback.

8.1 Bug Reporting

Bug reports should contain:

1. Coven username.
2. Feature being tested.
3. Expected behaviour.
4. Actual behaviour.

5. Screenshot or screen recording, where possible.
6. Transaction hash or explorer link, if applicable.
7. Device and browser information.

Reports should be submitted through the official Coven Telegram community or designated bug-reporting channel.

8.2 Feedback Areas

- Account creation and onboarding.
- Wallet provisioning and funding.
- Payment speed and reliability.
- Circle management.
- Bill splitting and escrow settlement.
- Savings goals and withdrawal approvals.
- Interface usability.
- Transaction history and notifications.
- General application performance.

Constructive feedback will help identify areas requiring improvement before subsequent development phases.

9. Security and User Responsibilities

Coven's testnet involves blockchain transactions and wallet authentication. Participants should observe basic security practices throughout the testing period.

Wallet Security

- Never share your wallet PIN.
- Do not disclose private credentials.
- Use only official Coven communication channels.
- Be cautious of impersonators and fraudulent links.

Transaction Awareness

- Verify recipient usernames before sending funds.
- Review payment amounts before confirmation.
- Check transaction history when a payment appears delayed.
- Use the Arc Testnet explorer to inspect transaction status when necessary.

Testnet Limitations

Testnet USDC has no real monetary value. It cannot be redeemed for real USDC or withdrawn into a bank account through Coven. The testnet environment is experimental. Features, transaction flows, and requirements may change as development progresses.

The team will never request a user's wallet PIN. Lost PINs cannot be recovered by the team under the current wallet setup.

10. Testnet Timeline and Future Development

The Coven Public Testnet begins on 9 November 2026. During this phase, the team will focus on evaluating the platform's core features, monitoring network activity, gathering user feedback, and improving the overall application experience.

The testnet provides an opportunity to identify technical limitations and validate the application's payment and collaborative financial workflows.

Further announcements concerning testnet milestones, eligibility snapshots, potential rewards, and subsequent deployment phases will be communicated through official Coven channels.

Participation in the testnet does not automatically guarantee future rewards, token allocations, or other benefits unless explicitly announced by the team.

11. Official Resources

Participants should use the following official resources to access Coven and obtain assistance.

Resource	Official link
Coven Application	covenpay.com/
Testnet Tracker	covenpay.com/testnet
Official X Account	x.com/Covenpay
Telegram Community	t.me/+GVyHEXlo41M0Mzc0
GitHub Repository	github.com/MarvyNwaokobia/Coven
USDC Faucet	faucet.circle.com
Arc Testnet Explorer	explorer.testnet.arc.io

Only trust links published through official Coven communication channels.

Conclusion

Coven is exploring a more collaborative approach to everyday digital payments. By combining peer-to-peer USDC transfers, shared expense management, and group savings, the platform aims to make financial interactions between individuals and communities simpler and more transparent.

The Public Testnet is an important step toward that vision. Through active participation, transaction testing, and constructive feedback, testers will help evaluate the platform's functionality and contribute to its continued development.

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This document describes the Coven Public Testnet. It is intended for informational and testing purposes and does not constitute a financial offer, investment recommendation, or promise of rewards.