

Better Payment Network

Borderless payments. Practical remittance. Native orchestration.

Abstract

Better Payment Network (BPN) is a programmable payments layer built natively on BNB Chain and uniquely designed to seamlessly enable borderless and multi-stablecoin/multi currency cross-border payments. Unlike traditional bridge-based networks, BPN operates directly with native stablecoin liquidity and utilises both on-chain and off-chain clearing capabilities to facilitate real-world foreign exchange and global payments orchestration.

BPN unites the advantages of trustworthiness and reliability of CeFi and transparency and programmability of DeFi to provide users with a highly scalable, fast, and low cost inclusive ecosystem.

This whitepaper outlines BPN's core architecture, use-cases, network participants, and economic model.

1. Why BPN: the programmable payments layer for a fragmented global monetary landscape

The blockchain industry has reached an inflection point where stablecoins are no longer simple crypto assets—they have become the predominant medium-of-exchange outside of traditional fiat currencies. The BPN thesis is simple: The money movement deserves its own internet. Not a sidechain. Not a scaling patch. A purpose-built protocol.

- **Native multi-stablecoin interoperability** as the core base-layer
- **Hybrid architecture** serving both Wall Street and DeFi natives
- **Institutional liquidity** meeting high-frequency demand and flows
- **Programmable compliance** enabling borderless transactions

1.1 BPN's value proposition

For financial institutions - provision of critical connectivity:

- Between traceability of traditional FX order books and unlimited growth of on-chain liquidity pools
- Simplifying compliance workflows and blockchain's programmability

- Eliminating legacy settlement timelines with blockchain-native speed
- Plugged-in orchestration suites to existing merchant interface - frictionless touch points

For end users - access to frictionless solutions:

- Permissionless payments at low cost and ultra-fast speed
- Non-custodial yet compliant interfaces
- Unified liquidity previously reserved for institutional players

For stablecoin issuers - a turnkey payments layer:

- Automates multi-currency liquidity provisioning and reserves attestation on-chain
- Embeds regulatory safeguards at protocol level
- Provides a compelling real-world use case with exponential user-demand

1.2 What makes BPN unique?

Truly blockchain-native cross-border settlement

- BPN replaces traditional interbank rails and SWIFT with direct FX between fiat-pegged stable coins
- Enables 24/7 settlement globally - no more 'banking hours' or 'non-banking hours'
- Instant, borderless, and permissionless FX infrastructure for the digital era

Deep liquidity powered by BNB Chain synergy

The liquidity is

- Aggregated from both Binance CEX and top BNB chain DEXs like PancakeSwap, Curve etc.
- Designed to handle billions in daily volume, matching top-tier banking infrastructure
- Natively integrated with the BNB ecosystem ensures scalability and resilience

The world's first on-chain FX market

- KYC-free, borderless and open to anyone
- Stablecoin pairs pegged to local fiat currencies (e.g. USD, BRL, NGN etc.)
- Users and businesses can freely convert across jurisdictions with no gatekeepers

2. Architectural simplicity

2.1 One layer. One API. Multiple tokens and use cases.

BPN is designed to be lean but infinitely scalable:

- One layer: BNB chain as home base to ensure leading industry safety, unified settlement logic and minutes operation

- One API suite: modularized functionality that can be assembled on demand for payment interfaces for users, wallets, PSPs, and e-commerce plugins
- Multiple tokens and use cases: the experiences of global payment, treasury management and forex trading are rewritten by a network of local stablecoins

2.2 The dual-layer clearing house

Layer	Mechanism	Key users
Permissioned layer	Fiat-backed OTC swaps, regulated reserve custody	Regulated PSPs, forex brokers, stablecoin issuers, cross border business, individual users
Permissionless layer	Censorship-resistant transactions. stablecoin FX, open LP participation Token economy	Market makers, forex traders, individual traders

The two layers provide interoperability with shared liquidity pools, atomic cross-layer swaps, and unified settlement guarantees

2.3 The liquidity superhighway

BPN will transform current liquidity fragmentation into unified liquidity depth through:

- **Canonical pools:** Protocol-owned liquidity for major stablecoin pairs
- **Institutional order flow:** Direct integration with TradFi market makers
- **Cross-Chain aggregation:** Sourcing from BNB Chain, Ethereum etc.

3. Use-cases

3.1 Corporate remittance

A multi-national company receives earnings in Brazilian Real, mints the funds into BRL backed coins, swapped to USD or HKD backed stablecoins and settles the funds using BPN to its headquarters in Hong Kong with instant settlement and transparency.

3.2 Retail cross-border payment

A Brazilian freelancer receives USD1 via BPN after invoicing in BBRL — cleared in <2 minutes with <0.1% cost.

3.3 Merchant settlement

An e-commerce platform in Southeast Asia settles sales in IDR but books profits in USDC using BPN corridors and distributes USDC to individual service providers across the world.

3.4 Arbitrage & liquidity flow

Market makers arbitrage volatility between cNGN and USDe on BPN DEX against the off-chain clearing price, creating deeper FX liquidity pools.

3.5 Institutional treasury & derivatives

DeFi protocols enable treasuries to hedge TRYB/USDT volatility using decentralized futures built on BPN benchmarks.

4. Network participants and roles

BPN is permissionless at the protocol layer but offers regulator-structured on-ramps where required

Participants	Responsibilities	Participation objective
Cross-border merchants	Accept local stablecoins for regional collection; settle globally in fiat currency of choice globally, within minutes	Low cost, high speed, global acceptance
Retail users	Use BPN integrated wallets or gateways for remittance and low-fee currency conversion	Low cost, convenience
Stablecoin issuers	Join BPN DEX contributing to mint local stablecoins; commit reserves and enable on-chain redemption	Enable transparent FX corridors and Fiat backing
Clearing operators	Operate permissioned off-chain FX desks; manage fiat pools	Handle compliant, high-volume stablecoin FX settlement
Payment Service Providers and cross-border service SaaS	Integrate BPN API to support local stablecoin acceptance and stable coin enabled settlements	Provide merchants faster and cheaper cross-border payment through access to BPN
DEX market makers	Provide AMM liquidity on FX pairs and pools; arbitrage price gaps between DEX and OTC	Deepen liquidity and optimize on-chain pricing
Institutional market makers	Operate across DEX and clearing layers to support cross-chain liquidity and price	Anchor system-wide liquidity and arbitrage mechanisms.
Traditional banks & EMIs	Custody reserves; enable fiat in/out; participate in regulated clearing pools	Bridge on-chain and off-chain fiat infrastructure

Forex traders / Brokers	Trade stablecoin FX pairs and hedge risk via on-chain perps; offer liquidity intelligence	Inject pricing efficiency and FX expertise into the network
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5. Economic efficiency

5.1 Economic flywheel

Cross-border demand → Stablecoin conversion → FX exchange (DeFi + CeFi) → Derivatives layer
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 More derivatives demand ← Better price discovery ← More liquidity ← More market participation ↓

5.2 Value capture

Revenue flows from:

- Base fee on all stablecoin transactions on-chain and off-chain
- Premium charges for value-added services e.g. Earn, Hedge, Distribute etc.
- Liquidity leasing to external protocols
- Arbitrage from stable pairs trading

5.3 Value reinvest

80% of fees are redistributed to:

- Liquidity providers
- Validators
- Ecosystem development

6. Roadmap philosophy

Our development trajectory follows three evolutionary phases:

Phase 1: Foundation (2025)

Establishing core network capabilities with support for 5-10 major stablecoins and basic cross-chain functionality. Priority given to building the institutional liquidity base.

Phase 2: Expansion (2026 H1)

Growing into the primary settlement layer for more corridors in emerging markets while integrating with major DeFi focused stablecoins. Compliance features mature to meet EU/US regulatory standards.

Phase 3: Ubiquity (2026 H2)

Reaching critical mass as the default infrastructure for both crypto-native and traditional finance stablecoin flows, with daily settlement volumes exceeding \$10B.

7. Conclusion: the Internet of value needs its own IP

7.1 Challenge today: liquidity silos

The stablecoin ecosystem is undergoing tectonic shifts as monetary activity quickly decentralizes:

- **The USD Hegemony challenge:**

While 12 major USD-backed stablecoins currently dominate, we are witnessing the rise of regional and local alternatives - from local currency pegs to corporate-issued tokens. This fragmentation mirrors the broader geopolitical trend toward monetary localisation.

- **The settlement paradox:**

Current networks treat cross-currency transactions as afterthoughts:

- **Bridges ≠ Clearing efficiency:** Atomic transfers solve technical interoperability but ignore pricing efficiency and compliance requirements
- **Bank rails breakdown:** Traditional correspondent banking channels collapse in efficiency in comparison with 24/7 stablecoin and cryptocurrency markets
- **Liquidity silos:** New stablecoin issuance compounds the problem of currency pair connectivity, and dilutes liquidity further

7.2 New chapter

Just as TCP/IP standardized data packet routing, BPN will provide the foundational protocols for payments and value transfer via stablecoins. By solving the trilemma of speed, compliance, and cost specifically for money movement, we enable:

- Businesses to transact globally without correspondent banking
- Developers to build payment apps on robust infrastructure
- Institutions to participate in digital asset markets safely
- Individuals to access dollar liquidity without borders

This is not another blockchain—it's the missing infrastructure layer to kickstart the stablecoin era.

This is not a bridge, but a programmable FX clearing layer.

This is not a DeFi-only experiment, but an inclusive network for merchants, issuers, regulators, and retail.

BPN is what the cross-border stablecoin era needs: fast, cost-effective, borderless, modular, and real.