

Drivers Book for Price Performance

PoP Logic Overview

Proof of Progress ensures token emission is directly tied to measurable ecosystem growth. The system increases emission difficulty as network activity, utility, and adoption grow, preventing supply inflation without demand.

Emission Algorithm — Proof of Progress (PoP)

BitTON.AI employs a custom token release mechanism called **Proof of Progress**, where emission difficulty increases alongside measurable ecosystem growth.

Basic Progress Metrics:

1. **W** — Number of unique wallets
2. **B** — Number of tokens purchased
3. **U** — Utility-based transactions (payments, usage)
4. **P** — Participation in liquidity pools
5. **E** — Exchange transactions (BitTON.AI swaps)

Emission Difficulty Function:

$$\text{EmissionDifficulty} = 1 + \log(W) + \log(B) + \sqrt{U} + 0.5 * P + 0.3 * E$$

As adoption grows, minting new tokens becomes harder, preventing rapid speculative issuance and aligning token supply with real network activity.

Core Mechanism:

- Emission is **paused** unless the **Emission Score** surpasses the phase-specific threshold.
- As the network matures, thresholds rise, reducing inflation and making BTN scarcer.
- Price steps (Supply-Based Price Scaling) create predictable appreciation with adoption.

Key Price Drivers & Impact

1. **User Base Growth (W)**

- More unique wallets increase PoP difficulty and drive demand for limited supply.

2. **Token Purchase Volume (B)**

- Higher buying pressure pushes both PoP thresholds and market price.

3. **On-Chain Utility (U)**

- More transactions for payments, staking, and services deepen BTN's role in the economy, reinforcing value.

4. **Liquidity Pool Participation (P)**

- Greater liquidity stability attracts traders, reduces slippage, and supports price resilience.

5. **Exchange Transactions (E)**

- Active swapping increases visibility and accessibility, leading to higher trading volume.

6. **Long-Term Token Locking (LTH)**

- Reduced circulating supply directly supports price appreciation.

7. **Play-to-Earn & Reward Programs (UPE)**

- Gamified incentives boost activity, utility, and user retention.

8. **Ecosystem Integrations & Partnerships**

- New use cases across DeFi, RWA, and AI sectors expand BTN's relevance.

9. **Market Liquidity Depth**

- Strong liquidity walls deter manipulation and support healthy price action.

10. **Positive Market Sentiment**

- Achievements, roadmap deliveries, and media coverage enhance speculative and organic demand.