Stability: A Self-Governing Cryptocurrency Autonomously Pegged to $1

As the blockchain and cryptocurrency ecosystem continues to evolve and develop, modern complications emerge that have not yet been resolved. These complications include centralized digital assets, higher costs than necessary, inaccessibility, and financial restraints when using specific currencies. As a solution to these problems, Stability offers a decentralized, inexpensive, and accessible digital asset that provides users with greater financial control. Stablecoins allow users to store value within an asset that has a predetermined price, helping investors avoid losses due to volatility, bearish periods, selloffs, or other potentially harmful factors. By creating an autonomous and decentralized stablecoin, users' trust is contingent on the algorithms in place rather than on a centralized corporation or collateral held in a reserve. A decentralized algorithmic stablecoin on the Ethereum blockchain has numerous benefits for investors, which will be further discussed in this Whitepaper.

The need for digital cash with proper governance is more of a necessity than ever before due to the rapid adoption of blockchain technology. With the inclusion of Stability into the Ethereum ecosystem, investors can now rely on a stablecoin governed strictly by algorithms. When STB tokens are bought, the equivalent number of tokens are automatically minted to keep the price of each token pegged to $1. Likewise, when tokens are sold, the equivalent amount is burned to maintain this peg. The market scale of truly decentralized digital cash built on the blockchain is virtually unrestricted given the intrinsic value provided to users worldwide, in addition to the infancy of the industry as a whole. Stability allows users around the world to be unbanked, safely storing their money on the blockchain.

In Q2 of 2021, stablecoin transaction volume topped $1.7 trillion, representing a 1,500% increase from Q2 of the previous year.[1] As digital assets and digital cash improve over time and become more prevalent, certain projects that once had value become obsolete due to the development of newer DeFi projects with greater overall efficiency. These outdated systems may have slower transaction speeds, higher costs, or greater centralization. While countless stablecoins are available on almost all blockchain

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[1] tokenist.com/stablecoin-transaction-volume-was-1-7-trillion-in-q2-2021-up-59-from-q1/

platforms, many lack the core values necessary to be considered a viable and trustworthy decentralized stablecoin. Conversely, Stability offers a non-collateralized algorithmic stablecoin with low costs, true decentralized governance, and high efficiency. As users buy and sell STB, the circulating supply undergoes adjustments to maintain a 1:1 ratio of market cap in USD to circulating supply, resulting in the invariable price of $1 per token. Such an asset presents numerous advantages over competitors as it provides a smoother and more secure experience for users.

While Stability offers greater financial control and independence to users worldwide, certain regulations are in place to ensure maximal efficiency and avoid unnecessary complications. An executive address with burn and mint capabilities exists to maintain the $1 peg, although this address is inaccessible as it has no private keys and is considered a "black hole" (view on Etherscan). After every transaction, this address will burn or mint tokens to maintain the desired peg. Simplified mint and burn functions executed by this wallet are provided below:

```
function mint {                    function burn {
Tokens[ceo] += _amount;            Tokens[ceo] -= _amount;
Tokens[_to] += _amount;            Tokens[_from] -= _amount;
}                                  }
```

"ceo" = wallet address 0x0000000000000000000000000000000000000000
"_amount" = amount transacted

As displayed above, the executive address automatically burns or mints tokens when a transaction occurs, automating and decentralizing token processes and maintenance. Additionally, STB tokens only go to the fourth decimal place, making the minimum amount transferable 1% of 1¢ (or 0.0001 STB). Not only does this streamline processes and minimize energy consumption, but additionally simplifies the user experience.

By providing users with a reliable and autonomous stablecoin on Ethereum, storing value on the blockchain is easier, safer, and more efficient than alternative methods such as centralized banks or collateralized stablecoins. Stability gives users the freedom to be unbanked with unbounded access to the cryptocurrency and DeFi ecosystem without the risk of losing capital due to volatility, selloffs, or bearish periods.

Features:

Decentralized & Dynamic: Autonomous burn and mint adjustments to the circulating supply based on predetermined algorithms within the smart contract ensure the decentralization and reliability of STB tokens.

Fixed Price Reliability: The price of 1 STB is invariably pegged to $1 as a result of constant adjustments, giving users security when storing value or investing in various digital assets on the Ethereum blockchain.

Minimum Transfer Amount: The minimum amount transferable is 0.0001 STB, or 1% of 1¢, simplifying the user experience and cutting down on computational power usage.

Ease of Use & Accessibility: Built on Ethereum, Stability is easily exchangeable with Ether or any ERC-20 token, providing investors with an accessible and compatible decentralized stablecoin.