



TONUSD

WHITE PAPER

VERSION 1.0

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I. Introduction

USD on TON Blockchain

TONUSD Token

A UNIQUE DIGITAL ASSET
BACKED BY THE POWER OF
LIQUIDITY PROVIDER



1.1 Overview of the TonUSD Project

TonUSD is an ambitious cryptocurrency project aimed at creating a sustainable and reliable stablecoin on the TON (Telegram Open Network) blockchain platform. With a mission to provide an efficient, secure, and transparent payment solution, **TonUSD** aims to become a superior medium of exchange and store of value within the TON ecosystem as well as in the world of decentralized finance (DeFi).

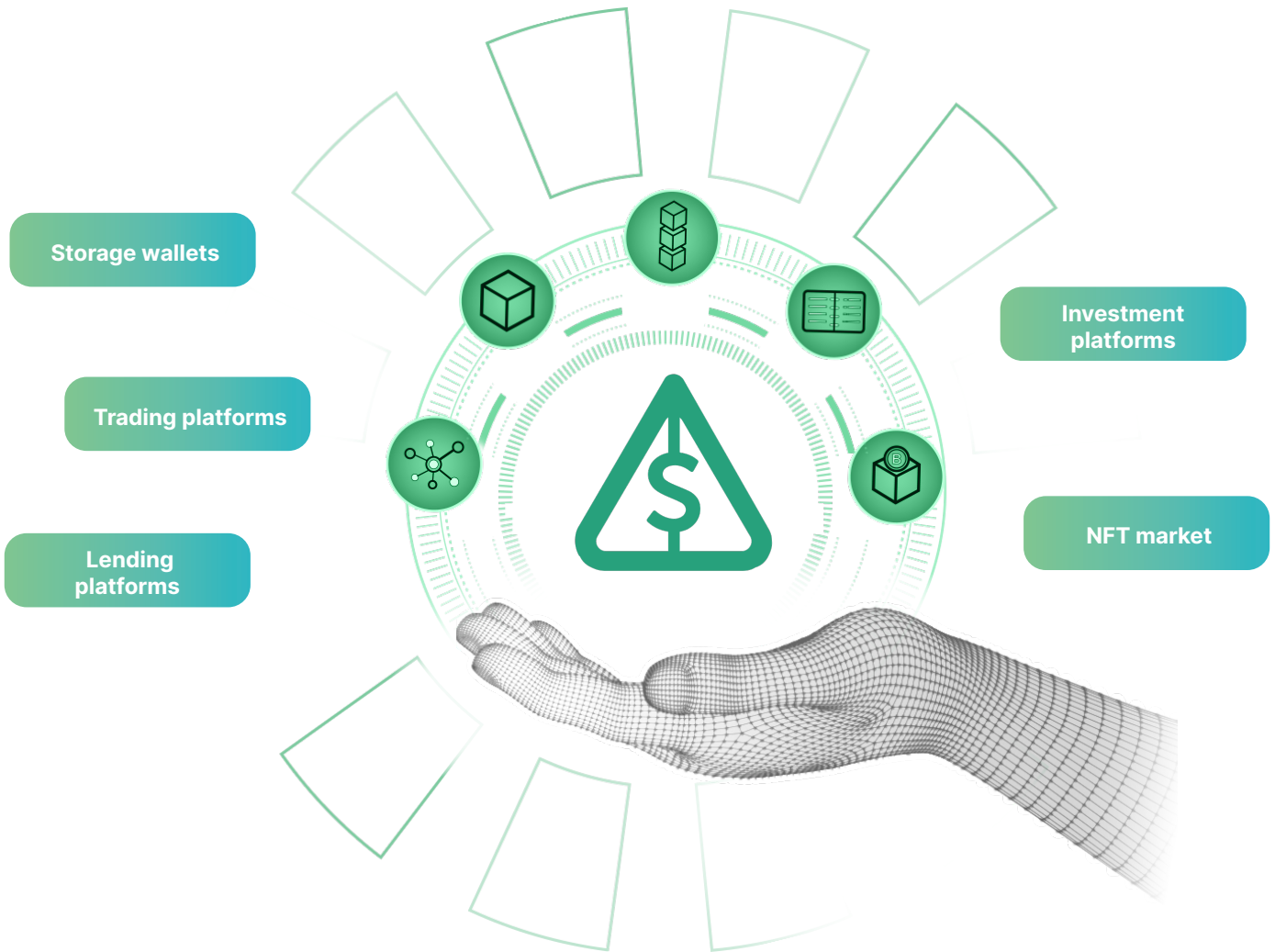
The **TonUSD** project was born to solve the existing issues in the

traditional financial system, the volatility of cryptocurrencies, lack of transparency and efficiency in cross-border transactions, and the complexity of accessing financial services. By leveraging the power of blockchain technology and the scalability of the TON network, **TonUSD** offers a comprehensive and easily accessible solution to users worldwide.

One of the key features of **TonUSD** is its mechanism for maintaining the stability of the currency through the use of Liquidity Providers

(LP) and a flexible transaction fee policy. This ensures that the value of **TonUSD** remains pegged and stable, avoiding the high volatility experienced by many other cryptocurrencies. At the same time, the application of TON blockchain technology also enhances security, transparency, and efficiency in all transactions related to **TonUSD**.

Moreover, TonUSD is building a diverse and rich ecosystem that includes decentralized applications (DApps) such as



This opens up numerous opportunities for **TonUSD** users to manage their assets, participate in financial and entertainment activities on the TON platform.

With a vision to become a leading stablecoin and contribute to the development of the TON ecosystem, the **TonUSD** project is committed to delivering optimal solutions and experiences to users while promoting innovation and progress in the field of decentralized finance.

**Decentralized and Transparent
Financial Ecosystem on**

TON BLOCKCHAIN

1.2 Mission and Vision

Mission

The mission of the TonUSD project is to create a secure, transparent, and user-friendly stablecoin on the TON blockchain platform, aiming to provide an efficient means of payment and store of value for users worldwide. TonUSD aspires to become an advanced financial solution that helps to narrow down the gap between cryptocurrencies and fiat money while promoting the widespread development and adoption of blockchain technology in everyday life.



Vission

TonUSD's vision is to become a leading stablecoin that is trusted and widely used within the blockchain community and the decentralized finance industry. The project is committed to building a comprehensive ecosystem where TonUSD serves as the primary stable currency, supporting transactions, payments, and financial activities in a secure, fast, and efficient manner.



In the long term, **TonUSD** aims to become an indispensable part of people's daily financial lives, contributing to the sustainable and inclusive development of the global economy. By combining advanced blockchain technology, transparent governance mechanisms, and a sustainable economic model, TonUSD will continuously strive to deliver tangible values and benefits to users, partners, and the community.

II. Problems and Solutions

2.1 Challenges in the Traditional Financial System

The traditional financial system has existed and evolved over many decades, playing a crucial role in the global economy. However, it also faces numerous challenges and limitations, particularly in the context of the growing development of digital technology and blockchain. Here are some of the main challenges



Transparency and Trust

One of the biggest issues with the traditional financial system is the lack of transparency in transactions and operations. Users often have to rely on financial intermediaries, such as banks and financial institutions, to perform transactions without direct control or oversight. This leads to a lack of trust and concerns about security, especially as fraud and data breaches become increasingly common.



Costs and Efficiency

The traditional financial system often comes with high transaction costs, particularly for cross-border payments. Bank fees, transfer fees, and other charges can accumulate quickly, putting users and businesses at a disadvantage. Additionally, transactions often take a long time to process, sometimes up to several days, causing delays and inconvenience in financial operations.



Accessibility and Financial Inclusion

Despite efforts to expand financial access, a significant portion of the global population still lacks bank accounts or adequate access to financial services. This is particularly true in developing countries and rural areas, where financial infrastructure is limited. This lack of financial inclusion hinders economic growth and personal development.



Volatility and Risk

The traditional financial system is vulnerable to economic shocks, market volatility, and financial crises. Fluctuations in exchange rates, interest rates, and asset prices can cause significant instability, affecting users, businesses, and even entire economies. Furthermore, the concentration of power and influence among large financial institutions also creates systemic risks, as seen in the 2008 financial crisis.



Technological Limitations and Innovation

The traditional financial system often relies on outdated infrastructure and technologies, limiting the ability to innovate and improve. Manual processes, legacy systems, and a lack of digital integration can lead to inefficiencies, errors, and poor user experiences. The slow pace of adopting new technologies, such as blockchain and smart contracts, also restricts the potential for growth and expansion in the financial industry.

These challenges highlight the need for new solutions and approaches, such as stablecoins and decentralized finance, to address the weaknesses of the traditional financial system and bring benefits to users worldwide.

2.2 TonUSD Solution: A Stablecoin on the TON Platform

Faced with the challenges and limitations of the traditional financial system, the TonUSD solution emerges as an advanced stablecoin on the TON blockchain platform, bringing significant benefits and improvements to users and the financial ecosystem.



Transparency and Security

TonUSD is built on the TON blockchain platform, ensuring high levels of transparency and security in every transaction. All activities related to TonUSD are recorded on a decentralized ledger, allowing users to easily track and verify their transactions. By eliminating reliance on traditional financial intermediaries, TonUSD empowers users with control and privacy, enhancing trust and confidence in financial activities.



Low Costs and High Efficiency

TonUSD leverages blockchain technology to significantly reduce transaction costs and increase processing speed. With the use of smart contracts and efficient consensus mechanisms, TonUSD transactions can be executed almost instantly at very low costs. This brings substantial benefits to users, particularly in cross-border transactions, where traditional transfer fees are often very high.



Accessibility and Financial Inclusion

TonUSD aims to promote financial inclusion by providing an easily accessible and usable solution for everyone, regardless of geography or socioeconomic status. With just an internet connection and a TON wallet, users can easily participate in the TonUSD ecosystem, perform transactions, and access financial services. This opens up opportunities for those previously excluded from the traditional financial system, fostering economic growth and improving quality of life.



Stability and Security

TonUSD is designed to maintain value stability through the implementation of a Liquidity Provider (LP) mechanism and flexible fee policy. By maintaining an appropriate reserve ratio and adjusting transaction fees based on market conditions, TonUSD ensures that its value remains tightly pegged to the US dollar, minimizing volatility and risk for holders. Moreover, the use of TON blockchain technology also enhances security, protecting users from fraud and cryptocurrency attacks.



Innovation and Development Potential

TonUSD is not just a mere stablecoin but also a platform to drive innovation and development in the financial sector. By building a diverse ecosystem that includes decentralized applications (DApps), TonUSD opens up numerous opportunities for developers and businesses to create innovative financial products and services. From lending and investment solutions to NFT marketplaces and decentralized gaming, TonUSD acts as a catalyst for growth and innovation within the TON ecosystem.

With these advantages and potential, TonUSD represents a significant step forward in the development of stablecoins and decentralized finance. By addressing the challenges of the traditional financial system and bringing new value to users, TonUSD promises to become a key player in the future of global finance.

2.3 Advantages of TonUSD Over Other Stablecoins

In the world of stablecoins, TonUSD stands out with many unique advantages, making it an attractive choice for users and investors. Here are some of the main advantages of TonUSD compared to other stablecoins on the market

1

Robust TON Blockchain Platform

TonUSD is built on the TON blockchain platform, one of the most powerful and promising blockchain systems currently available. TON provides superior features such as high scalability, fast transaction processing speed, and low transaction fees. This allows TonUSD to handle a large volume of transactions with high efficiency while minimizing costs for users. Additionally, TON also offers advanced security and privacy features, ensuring the safety of users' assets.

2

Unique Stability Maintenance Mechanism

TonUSD employs a unique stability maintenance mechanism through the combination of Liquidity Providers (LP) and a flexible fee policy. This mechanism ensures that the value of TonUSD remains stably pegged to the US dollar by dynamically adjusting the supply and transaction fees based on market conditions. This helps minimize volatility and risk for TonUSD holders, providing greater stability and reliability compared to many other stablecoins.

3

Diverse and Vibrant Ecosystem

TonUSD is not just a mere stablecoin but also an integral part of the diverse and vibrant TON ecosystem. With integration into various decentralized applications (DApps) and financial services, TonUSD offers many practical use cases and benefits for users. From using TonUSD in everyday transactions to participating in lending, investing, and entertainment activities on decentralized platforms, users can enjoy a comprehensive and seamless ecosystem.

4

Growth and Development Potential

TonUSD has superior growth and development potential compared to many other stablecoins. With the support of a strong TON community and the commitment of the development team, TonUSD is continuously improved and expanded with new features. This opens up opportunities for expansion into new markets, partnerships with strategic collaborators, and the development of innovative products and services. TonUSD's growth potential is also driven by the increasing trend of decentralized finance and public interest in stablecoins.

5

Transparency and Community Governance

TonUSD prioritizes transparency and community governance. All activities related to TonUSD, from development and management to decision-making, are conducted in a public and transparent manner. The TonUSD community is encouraged to actively participate in the governance process through voting mechanisms and proposals. This creates a democratic, fair, and trustworthy environment where the voices of all members are heard and respected.

With these advantages, TonUSD confidently asserts its position as a leading stablecoin, delivering superior value and benefits to users and contributing to shaping the future of decentralized finance.

III. Operating Mechanism

3.1 Overview of TON Blockchain

TON (Telegram Open Network) is a powerful and versatile blockchain platform designed to provide high scalability, speed, and security. TON utilizes an advanced Proof-of-Stake (PoS) consensus mechanism, allowing it to process millions of transactions per second at low cost. TON's multi-layer architecture consists of a masterchain and workchains, help to optimize performance and customization for various applications.

TON also integrates smart contract capabilities and the TON Virtual Machine, enabling flexible and efficient development and deployment of decentralized applications (DApps). By combining sharding technology and the Byzantine Fault Tolerance (BFT) consensus mechanism, TON ensures data consistency and security across the entire network.



3.2 TonUSD Minting and Redemption Process

The TonUSD Minting and Redemption process is designed to be simple, transparent, and efficient:

Only users who own Minter NFTs can mint TonUSD based on the quota of that NFT. Similarly, only users who own Redeemer NFTs can redeem TonUSD and receive the corresponding amount of TON.

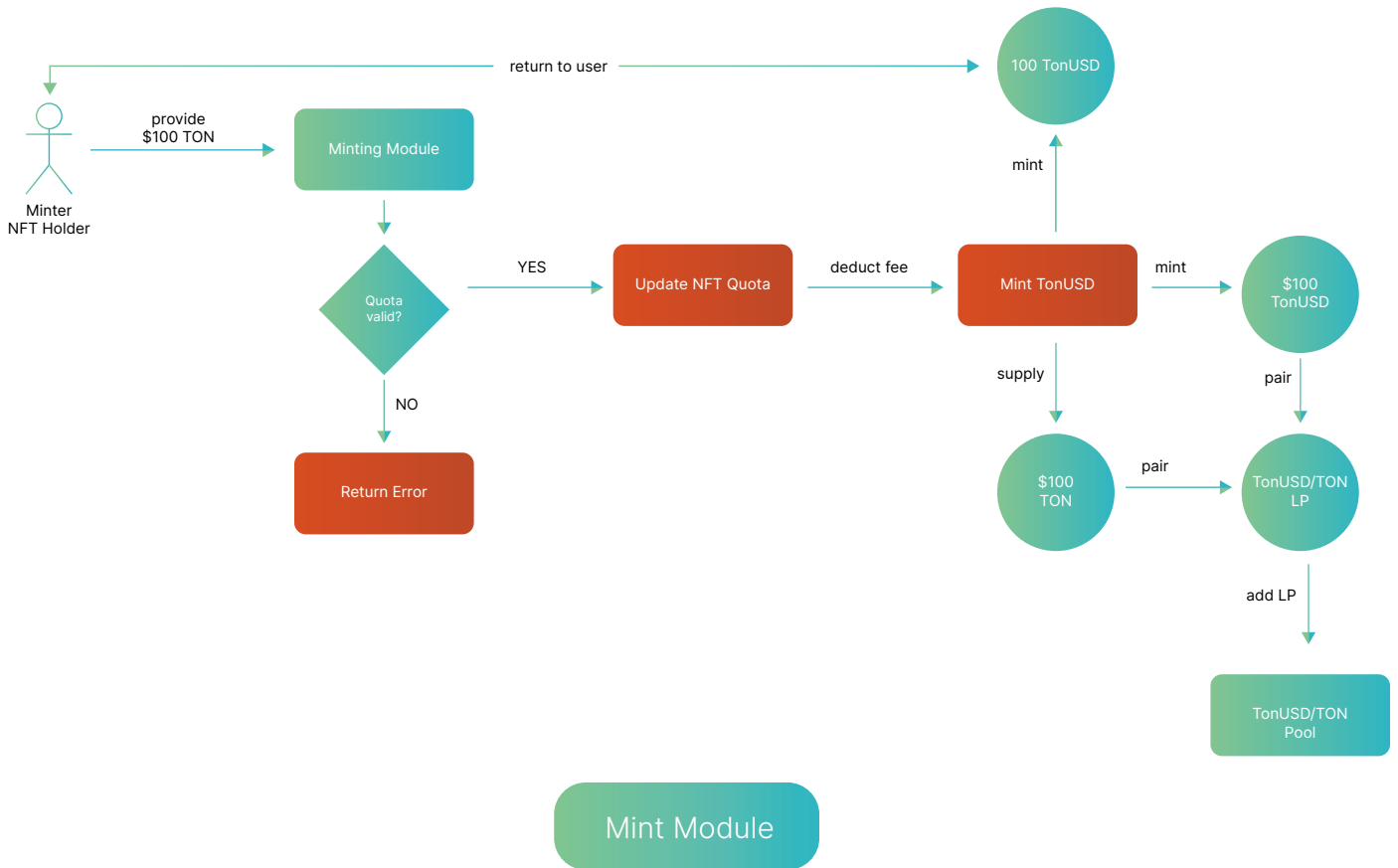
Mint TonUSD

- Users utilize TON to mint TonUSD
- The system mints a new amount of TonUSD equivalent to the value of TON provided by the user.
- The newly minted TonUSD is credited to the user's wallet.
- The system simultaneously mints an amount of TonUSD equal to the value of TON provided by the user and adds it to the TonUSD/TON liquidity pool.

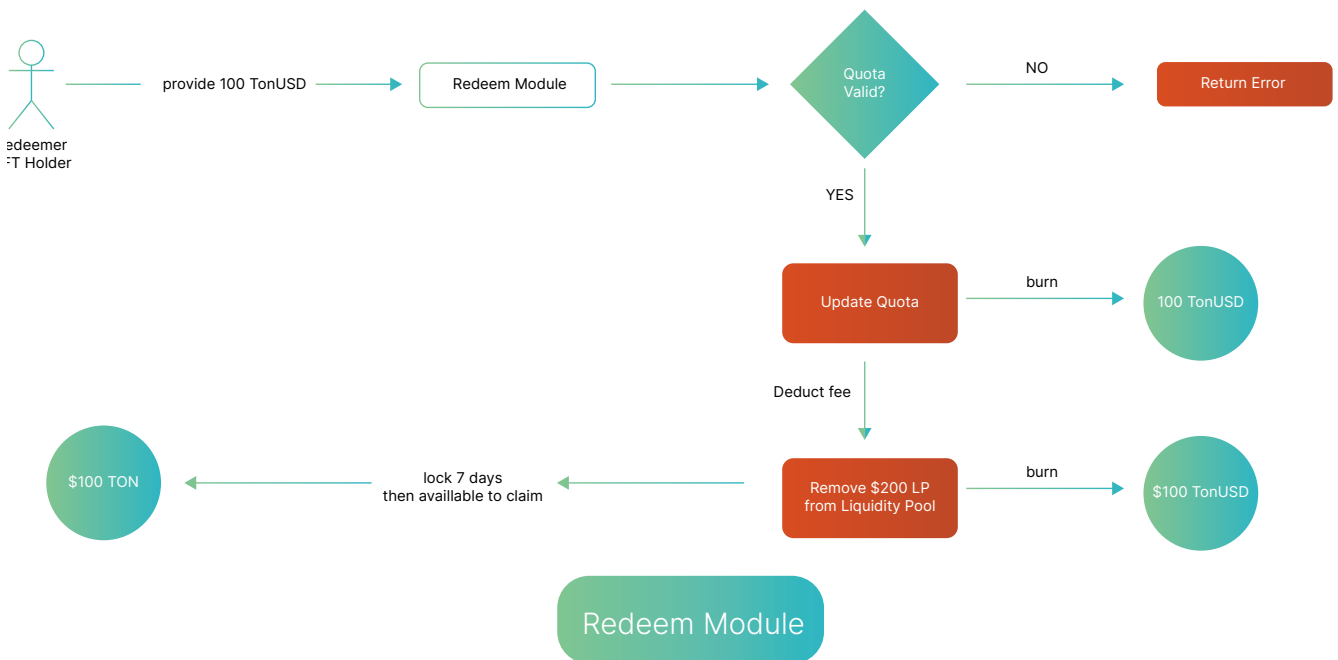
Redeem TonUSD

- Users utilize an amount of TonUSD to redeem.
- The system burns that amount of TonUSD.
- The system withdraws liquidity from the TonUSD/TON pool and credits the corresponding value of TON to the user.
- The system burns the remaining TonUSD.

Example: If a user utilizes an amount of TON worth \$100 to mint, they will receive 100 TonUSD.



Example: If a user utilizes 100 TonUSD to mint, the system returns an amount of TON worth \$100 to the user.



This entire process is automated through smart contracts, ensuring high levels of transparency, security, and efficiency.

3.3 TonUSD Stability Maintenance Mechanism

3.3.1 Fee Sharing Pool (Treasury Pool)

50% profits from minting, redemption, and swapping fees are directly added to the Treasury Pool. Users can stake TonUSD to share in the profits from this pool.

3.3.2 Quota

Quota is the value specified on each NFT sold. There are two types of NFTs: Minter NFTs and Redeemer NFTs. NFT owners can only redeem/mint within this limit each month. In the beginning of each month, the quota is refreshed. This mechanism aims to control the minting/redemption rate and prevent the system from becoming overheated.

Quota of NFTs:



Silver NFT
100 TonUSD/month



Gold NFT
550 TonUSD/month



Diamond NFT
6000 TonUSD/month

Through minting/redemption, users can earn up to 10% of the quota value each month.

3.3.3 Mint Fee

The minting fee is designed to combat attacks from trading bots. The fee is structured to allow Minter NFTs to achieve a maximum profit of 10% per month on the quota value.

If TonUSD \leq 1.1 Fee = 0
If TonUSD > 1.1 Fee(%) = price(TonUSD) - 1 - 10%

Illustration Table 1

TonUSD Price	Mint Fee
0.9	0%
1	0%
1.1	0%
1.15	5%
1.2	10%
1.3	20%

Based on the formula above, in all cases, Minters can only achieve a maximum profit of 10% each time they mint TonUSD from the system.

The collected fees will be directly added to the Treasury Fund. Users can stake TonUSD to share the rewards from this pool.

3.3.4 Redeem Fee

The redeem fee should be designed in a way that is neither too high nor too low to serve the goal of balancing the monthly profit of Redeemers. The following formula helps ensure this purpose

If TonUSD \geq 0.9 USD Fee = 0
 If TonUSD < 0.9 USD Fee (%) = 1 - price(TonUSD) - 10%

Illustration Table2

TonUSD Price	Redeem Fee
1.2	0%
1	0%
0.9	0%
0.85	5%
0.8	10%
0.7	20%

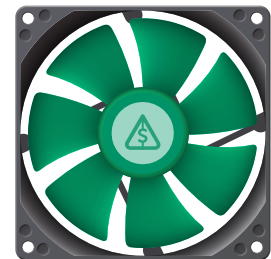
This will slow down the withdrawal of TON from the system. The collected fees will be directly added to the Treasury Fund.

3.3.5 Cool down claim time

This is the time required for Redeemers to claim the TON they have redeemed. The duration is 7 days

For example, if a user redeems 1000 TonUSD, the system will separate \$1000 worth of TON from the liquidity pool to pay the user. However, the user can only claim this amount of TON after 7 days

This mechanism will make Redeemers consider carefully when performing a redeem, as there is a risk of TON price depreciation during the 7-day period.



3.3.6 Phoenix Mechanism

The Phoenix Mechanism is a safety mechanism activated to bring the price of TonUSD back to 1 USD. This mechanism is described as follows:

Activation conditions: TonUSD price is less than 0.9 USD for 30 consecutive days or TonUSD price is less than 0.5 USD.

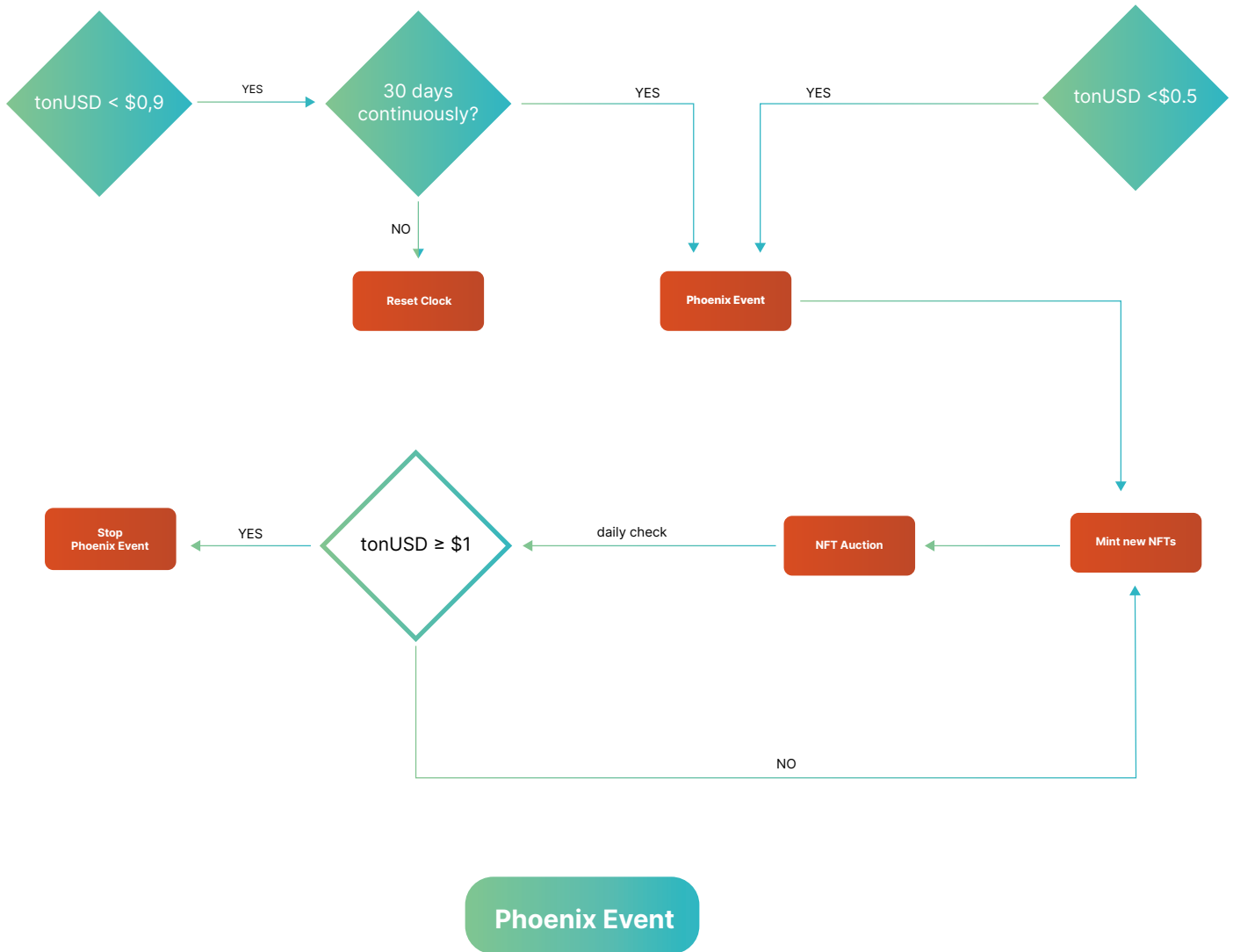
Phoenix Mechanism procedure

- The redeem function is locked for everyone.
- Every day, 30 new NFTs will be minted from the system and sold through an auction.
- All TON proceeds from the auction will be used to buy TonUSD from the pool and burn it. This will reduce the amount of TonUSD and increase the amount of TON in the pool, bringing the price of TonUSD back to 1 USD.
- The mechanism ends when TonUSD \geq 1 USD.



PHOENIX

After the Phoenix Mechanism has been completed, the TON deficit in the pool has been replenished, and the price of TonUSD returns to \$1. The Phoenix Mechanism ends, and Redeemer NFT owners can continue to use the redeem function



3.3.7 Dragon Mechanism

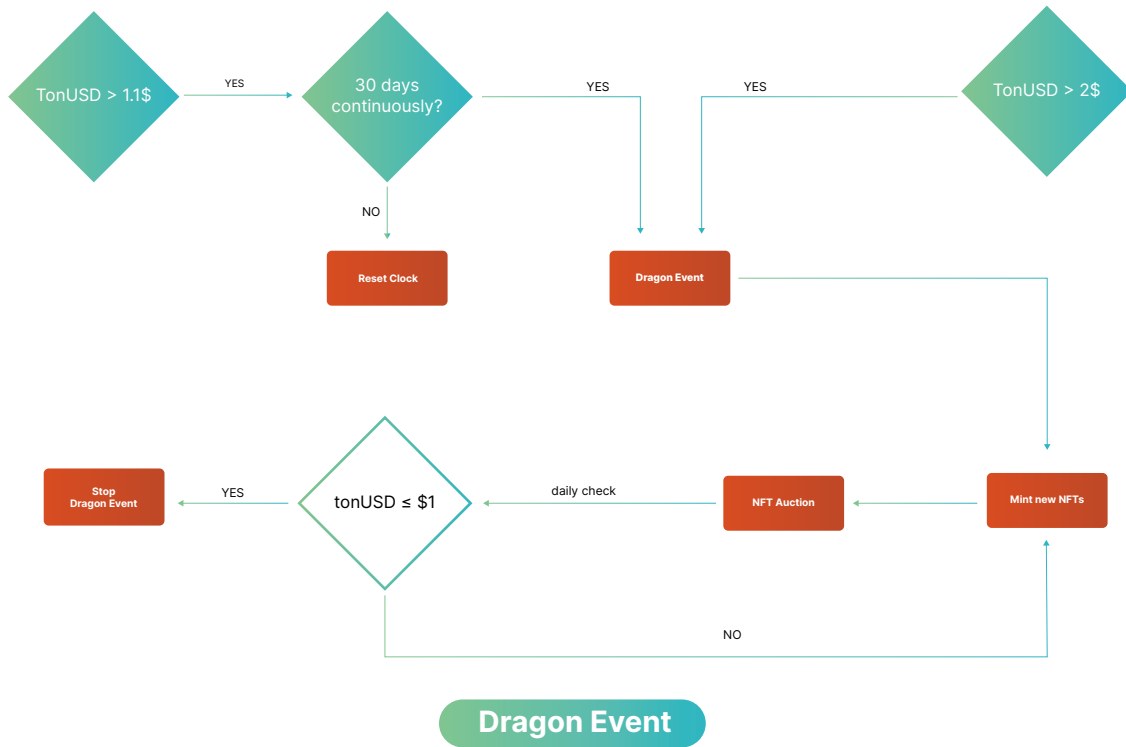
The Dragon Mechanism is activated to supplement the amount of Minter NFTs into the market. The mechanism will be triggered if the demand for TonUSD is so high that the price of TonUSD remains above \$1.1 for an extended period.

Activation condition: TonUSD price > 1.1 USD for 30 consecutive days



Dragon Event process

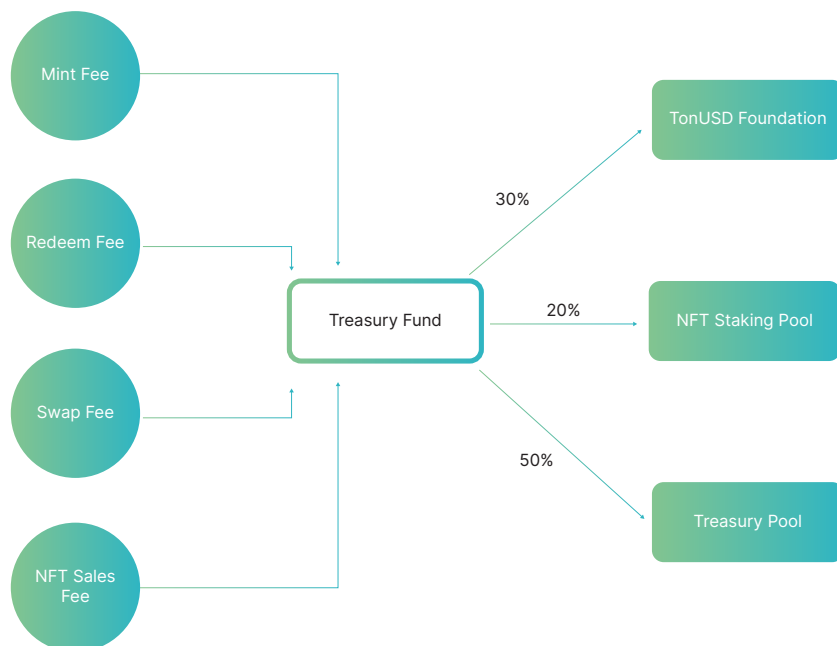
- Every day, 30 new NFTs will be minted from the system and sold through an auction.
- The TON proceeds from the auction will be used by the system to provide liquidity to the TonUDSD/TON pool.
- The event ends if the TonUSD price <= 1 USD.



3.4 Treasury Fund

All the fee generated from the system will be directly added to the Treasury Fund, including minting fees, redemption fees, swap fees, and fees from buying and selling NFTs on the NFT Marketplace.

- **30% Treasury Fund** will be allocated to the TON Foundation to support activities such as infrastructure maintenance, personnel, marketing, and partnership collaborations.
- **20% Treasury Fund** will be allocated to NFT Holders through the stake NFT function.
- **50% Treasury Fund** will be allocated to the Treasury Pool. Users can stake tonUSD to share in this pool.

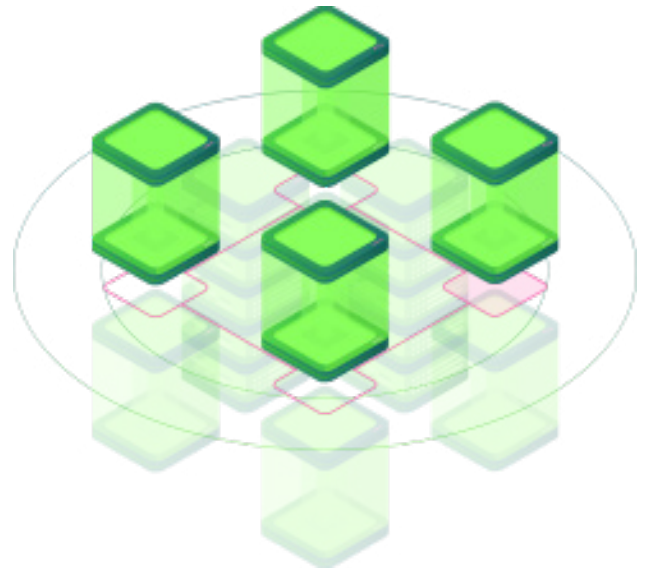


3.5 Governance and Security System

TonUSD is committed to maintaining the highest standards of governance and security to protect users' assets and interests.

Governance

- TonUSD is managed by a professional development and governance team with experience in the blockchain and finance fields.
- Important decisions related to TonUSD are made through community voting, ensuring transparency and participation of stakeholders.
- All activities and transactions of TonUSD are recorded on a decentralized ledger and can be audited by anyone.



Security

- TonUSD utilizes advanced encryption protocols and best security practices to protect user data and assets.
- TonUSD smart contracts are thoroughly tested and verified by security experts to ensure no vulnerabilities or risks.
- Multi-layered security measures, including multi-factor authentication and cold storage, are implemented to protect reserve funds and user assets.
- TonUSD also applies strict insurance and risk management policies to minimize the impact of unexpected or adverse events.

With this robust governance and security system, TonUSD builds trust and peace of mind for users, contributing to the healthy and sustainable development of the TonUSD ecosystem.

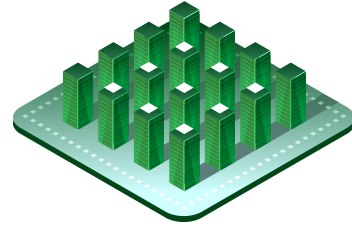
IV. TonUSD Ecosystem



TonUSD NFT Shares



DApp



Bridge USDT/USDC

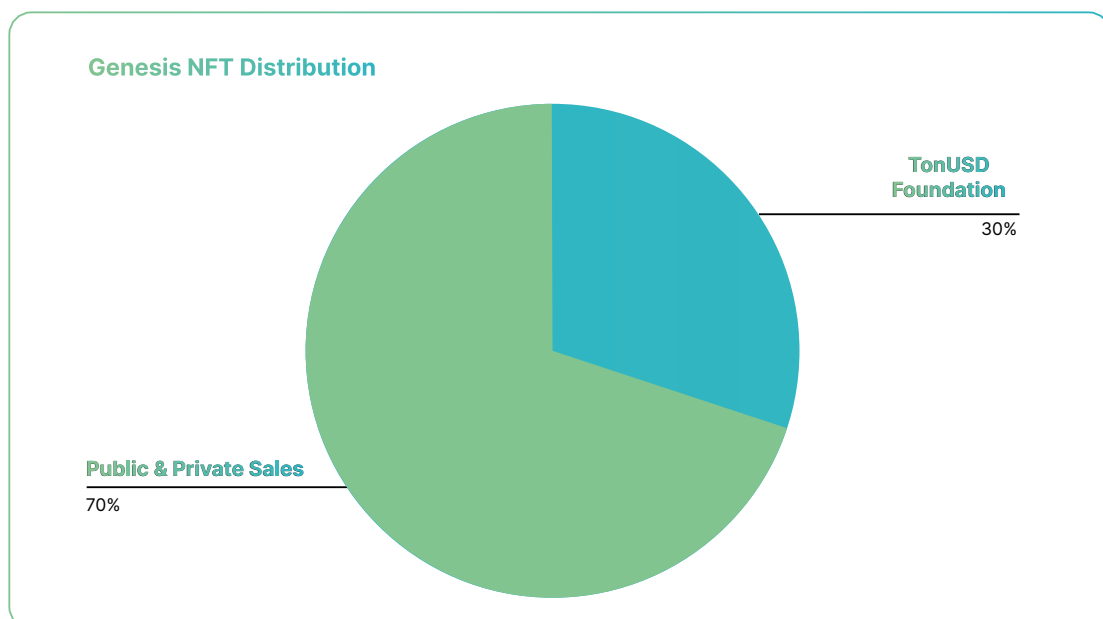
4.1 TonUSD NFT Shares

4.1.1 Issuance and Allocation Mechanism

TonUSD NFT Shares are non-fungible tokens representing ownership and benefits within the TonUSD ecosystem. The issuance of TonUSD NFT Shares aims to attract community participation and support while creating a fair and transparent allocation mechanism.

NFT Shares Allocation

- A portion of NFT Shares is allocated to the development team, advisors, and strategic partners to promote the development and expansion of the TonUSD ecosystem.
- The majority of NFT Shares are sold to the community through public issuance rounds, ensuring broad participation and fair distribution.
- A small portion of NFT Shares may be reserved for future promotional activities, rewards, and community support.



Genesis NFT minted

NFT type	Amount (NFT)	Quota of NFTs to mint/redeem (TonUSD/month)
Silver	1500	100
Gold	1500	550
Diamond	150	6000

Initial NFT Offering

The total supply of NFT Shares is predetermined and sold through two rounds: First private sales round and then public sales round for the rest (if any NFT left).

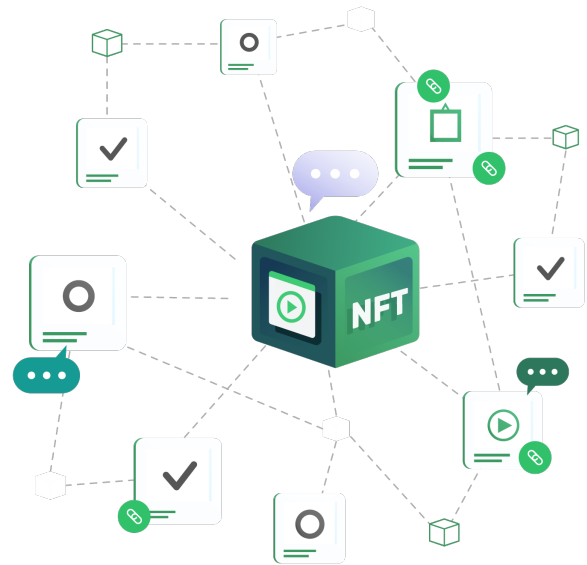
Each issuance round has a specific number of NFT Shares and is sold through direct sales.

NFT pricing:

- Silver NFT: 100 USD, quota 100 tonUSD/month
- Gold NFT: 500 USD, quota 550 tonUSD/month
- Diamond NFT: 5000 USD, quota 6000 tonUSD/month

Users can only purchase NFT Shares with TON.

Any remaining NFTs will be burned.



Genesis NFT Sales

NFT type	Amount (NFT)	Quota of NFTs to mint/redeem (TonUSD/month)
Silver	1050	100
Gold	1050	550
Diamond	105	6000

NFTs Sold Through the Phoenix and Dragon Program

Refer to section 3.3.6 and 3.3.7.

4.1.2 Benefits for NFT Holders

Owning TonUSD NFT Shares brings numerous benefits and privileges to holders, including:



Exclusive minting and redemption of TonUSD

Depending on the NFT type and quota, users can earn profits through minting and redemption of TonUSD.



Profit Sharing

NFT Holders have the opportunity to share project revenue through Treasury Fund.



Voting rights

NFT Shares allow holders to participate in the decision-making and governance of the TonUSD ecosystem through a voting mechanism based on the number of NFT Shares held.



Special promotion and discounts

NFT Shareholders may receive special benefits, such as lower transaction fees, higher rewards in promotional programs, and early access to new products and features.



Community privileges

NFT Share grants its owner access to exclusive events, communities, and resources, creating a sense of belonging and privilege within the TonUSD ecosystem.

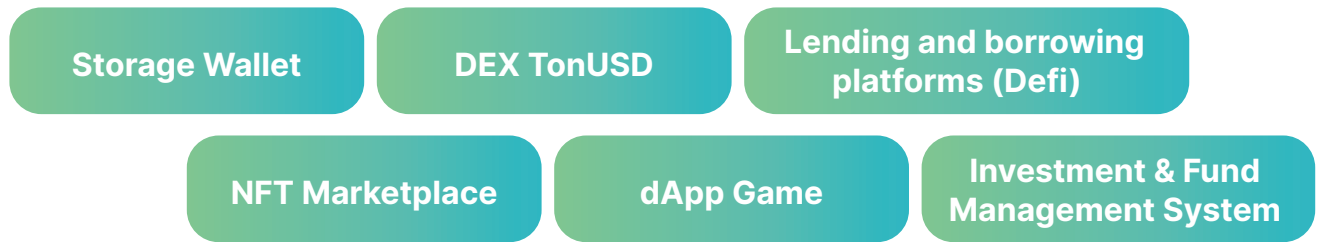


Potential value appreciation

As the TonUSD ecosystem grows and expands, the value of NFT Shares may increase over time, providing economic benefits to holders.

By offering these benefits and privileges, TonUSD NFT Shares encourage long-term participation and support from the community while creating a fair and sustainable value distribution mechanism within the TonUSD ecosystem.

4.2 DAPP Applications in the TonUSD Ecosystem



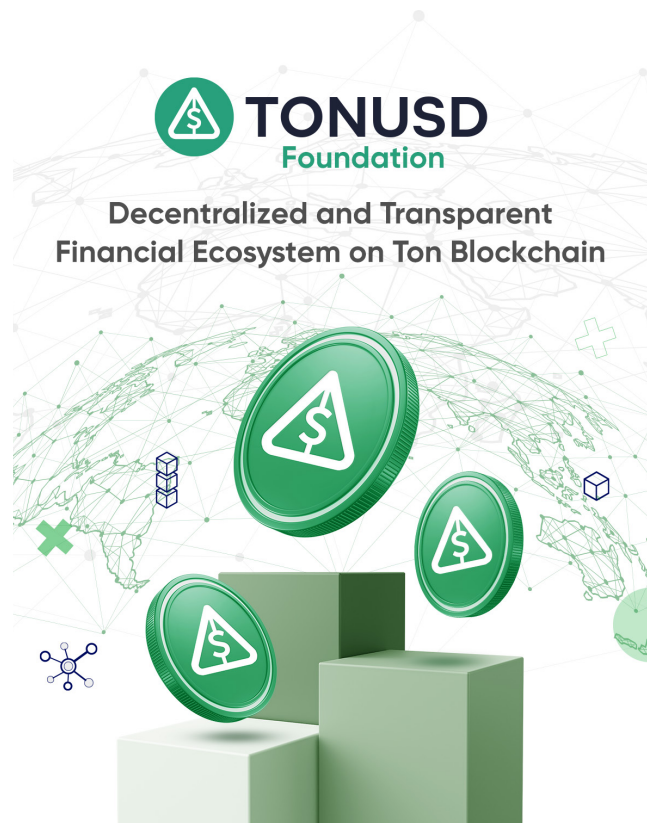
4.2.1 Asset Storage and Management Wallet

One of the essential applications in the TonUSD ecosystem is the asset storage and management wallet. The TonUSD wallet provides a secure, user-friendly, and multi-functional platform for users to store, send, receive, and manage TonUSD as well as other digital assets.

Features of the TonUSD Wallet

- **User-friendly interface:** The TonUSD wallet has an intuitive and easy-to-navigate interface, allowing users to manage their assets effortlessly.
- **High security:** The wallet uses advanced security measures such as multi-factor authentication, encryption, and secure storage to protect users' assets.
- **Multi-asset support:** In addition to TonUSD, the wallet also supports the storage and management of other cryptocurrencies and tokens, providing convenience for users.
- **Integration with DeFi services:** The TonUSD wallet allows users to easily interact with decentralized finance (DeFi) applications such as lending, investing, and trading.
- **Real-time updates:** Users can track their balances, transaction history, and market information with real-time updates.

The TonUSD wallet serves as the primary gateway for users to participate in the TonUSD ecosystem, providing a secure and convenient platform for managing digital assets.



4.2.2 Decentralized Exchange (DEX)

A decentralized exchange (DEX) is another crucial application in the TonUSD ecosystem. The TonUSD DEX allows users to buy, sell, and trade TonUSD and other tokens in a decentralized manner without the need for intermediaries.

Characteristics of the TonUSD DEX

- **Decentralization:** The DEX operates on the blockchain, eliminating the need for a central authority and minimizing centralization risks.
- **Liquidity:** The TonUSD DEX provides deep liquidity pools, ensuring the ability to execute trades quickly and efficiently with low price slippage.
- **Security and safety:** Trades on the DEX are executed through smart contracts, ensuring transparency and high security.
- **Support for multiple trading pairs:** The DEX offers various trading pairs between TonUSD and other popular tokens, expanding options for users.
- **Low transaction fees:** With an efficient consensus mechanism and cost optimization, the TonUSD DEX can provide lower transaction fees compared to many centralized exchanges.
- **Compatibility:** The DEX is built on popular protocol standards, ensuring seamless interaction with other wallets and DeFi applications

The TonUSD DEX plays a vital role in providing liquidity, promoting the circulation and adoption of TonUSD within its ecosystem. By offering a decentralized, secure, and efficient trading platform, the DEX contributes to the growth and development of the TonUSD market.

4.2.3 Decentralized Lending and Borrowing (DeFi)

In the TonUSD ecosystem, decentralized lending and borrowing (DeFi) applications allow users to access financial services without the need for traditional intermediaries such as banks.

Characteristics of decentralized lending and borrowing applications on TonUSD

- **Decentralization:** Lending and borrowing transactions are executed through smart contracts, eliminating the need for a central intermediary and minimizing credit risks.
- **Flexibility:** Users can lend or borrow TonUSD and other digital assets with flexible terms and interest rates, tailored to their needs.
- **Transparency:** All lending and borrowing transactions and terms are recorded on the blockchain, ensuring transparency and security.
- **Collateral:** Users can use their digital assets as collateral to borrow TonUSD, expanding access to credit.
- **Competitive interest rates:** With automated order matching and efficient optimization, lending and borrowing applications on TonUSD can offer more competitive interest rates compared to traditional financial institutions.

Decentralized lending and borrowing applications on TonUSD open up opportunities for many users to access credit and investment, promoting financial inclusion and creating passive income streams for lenders.

4.2.4 NFT Marketplace

The NFT Marketplace on the TonUSD ecosystem is a platform for buying, selling, and trading non-fungible tokens (NFTs), representing unique digital assets such as art, music, collectibles, etc.

Characteristics of the NFT Marketplace on TonUSD

- **Uniqueness:** Each NFT on the marketplace is unique and non-interchangeable, ensuring the scarcity and value of digital assets.
- **Clear ownership:** The NFT Marketplace uses blockchain technology to record ownership and transaction history for each NFT, ensuring transparency and security.
- **Asset diversity:** The marketplace supports various types of NFTs, from digital art to in-game collectibles, catering to the diverse needs of users.
- **Secure transactions:** Buying and selling of NFTs are executed through smart contracts, ensuring fairness and security for both buyers and sellers.
- **Liquidity:** The NFT Marketplace on TonUSD provides a highly liquid platform, allowing users to easily buy and sell NFTs at market prices.

The NFT Marketplace on TonUSD opens up opportunities for creators and digital asset owners to monetize their possessions while providing collectors and investors with a way to participate in the rapidly growing NFT market.

4.2.5 Decentralized Games (dApp Games) Characteristics of dApp Games on TonUSD

Decentralized games (dApp Games) on the TonUSD ecosystem combine entertainment with earning potential, allowing users to play and earn tokens or in-game items with real value.

- **Player ownership:** In-game items and tokens in dApp games are owned by players, secured by blockchain technology, allowing players to trade or sell them outside the game.
- **In-game economy:** Many dApp games on TonUSD have their own economies, where players can earn tokens through gameplay, investment, or participation in other economic activities within the game.
- **Transparency:** All transactions and events in dApp games are recorded on the blockchain, ensuring transparency and fairness for players.
- **Interaction with the ecosystem:** Players can use TonUSD and other tokens to purchase in-game items, participate in special events, or invest in the game's economy.
- **Earning potential:** Through gameplay, investment, or trading of in-game items, players have the opportunity to earn real money from dApp Games on TonUSD.

DApp Games on TonUSD provide users with an entertaining gaming experience while opening up opportunities to earn money and participate in decentralized game economies, promoting the growth and adoption of TonUSD in the gaming industry.

4.2.6 Investment and Fund Management System

The TonUSD ecosystem provides decentralized investment and fund management applications, allowing users to access diverse investment opportunities and participate in community-managed funds.

Characteristics of the investment and fund management system on TonUSD

- **Decentralization:** Investment funds and fund management applications operate on the blockchain, eliminating the need for a central management entity and minimizing trust risks.
- **Diverse options:** Users can choose from various investment funds, from index funds to funds focused on specific assets or strategies.
- **Transparency and security:** All transactions and activities of investment funds are recorded on the blockchain, ensuring high levels of transparency and security.
- **Decentralized governance:** Investment and fund management decisions are made through voting by fund token holders, promoting decentralized governance and collaboration.
- **Growth potential:** With the growth of the TonUSD ecosystem and increasing interest in digital assets, investment funds on TonUSD have significant growth potential.

The investment and fund management system on TonUSD opens up opportunities for many users to access diverse investment options and participate in the decision-making process, promoting the development and value appreciation of the TonUSD ecosystem.



V. Comparison of TonUSD with Other Stablecoins

In the cryptocurrency market, there are many different stablecoins, each with its own characteristics and advantages. This section will compare TonUSD with three popular stablecoins: DAI, USDT, and USDC, highlighting the differences and advantages of TonUSD.

5.1 TonUSD & DAI

DAI is a decentralized stablecoin issued by MakerDAO on the Ethereum blockchain. Here are some key comparisons between TonUSD and DAI:

	TonUSD	DAI
Stability Mechanism	Utilizes a supply-demand algorithm and flexible coordination between coin minting/burning and fee adjustments to maintain stability	Utilizes a collateralized debt positions (CDP) Mechanism to maintain stability, wherein users must lock ETH or other tokens as collateral to generate DAI.
Decentralization	Operates on the TON blockchain with high decentralization and transparency.	Also highly decentralized but depends on the stability and security of the Ethereum blockchain.
Scalability	Built on TON, a highly scalable blockchain, enables the processing of numerous transactions at low costs.	Depends on Ethereum's scalability; currently facing challenges regarding gas fees and transaction processing speed.
Ecosystem	Part of the developing TON ecosystem with numerous DeFi applications and community support.	Has a large and growing ecosystem on Ethereum, with many DeFi applications integrating DAI.

Overall, both TonUSD and DAI have their own advantages in maintaining stability and decentralization. However, TonUSD has an edge in scalability and growth potential within the TON ecosystem.

5.2 TonUSD & USDT

USDT (Tether) is a popular stablecoin issued by Tether Limited. Here are some key comparisons between TonUSD and USDT:

	TonUSD	USDT
Transparency	Operates on the TON blockchain, ensuring high transparency and verifiability.	Has faced controversies regarding transparency and the disclosure of actual reserves to maintain the value of USDT.
Stability Mechanism	Utilizes supply-demand algorithms and fee adjustments to maintain stability.	Allegedly supported by equivalent fiat reserves, but this has been subject to suspicion.
Legal Compliance	Operates within clear legal frameworks and complies with regulations	Has encountered legal issues and disputes related to transparency and the operations of Tether Limited.
Integration Capability	Can be easily integrated into DeFi applications and exchanges within the TON ecosystem.	Can be easily integrated into DeFi applications and exchanges within the TON ecosystem.

Although USDT is a popular and widely accepted stablecoin, TonUSD has advantages in transparency, stability maintenance mechanism, and growth potential within the TON ecosystem.

5.3 TonUSD & USDC

USDC (USD Coin) is a stablecoin issued by Circle and Coinbase on the Ethereum blockchain. Here are some key comparisons between TonUSD and USDC:

	TonUSD	USDC
Transparency	Operates on the TON blockchain, ensuring high transparency and verifiability.	Subject to regular audits and provides public reports on equivalent fiat reserves.
Stability maintenance mechanism	Utilizes supply-demand algorithms and fee adjustments to maintain stability.	Backed by equivalent fiat reserves and adheres to financial regulations.
Scalability	Built on TON, a highly scalable blockchain, enables the processing of multiple transactions at low costs.	Depends on Ethereum's scalability, currently facing challenges with gas fees and transaction speeds.
Ecosystem	Part of the growing TON ecosystem with numerous DeFi applications and community support.	It has a large and growing ecosystem on Ethereum, which is widely used in DeFi applications and exchanges.

Both TonUSD and USDC have advantages in transparency and stability maintenance mechanisms. However, TonUSD has an edge in scalability and growth potential within the TON ecosystem, while USDC has wide acceptance and integration in the cryptocurrency market.

In summary, although each stablecoin has its own strengths, TonUSD stands out with its transparency, stability maintenance mechanism, scalability, and growth potential within the TON ecosystem. These characteristics make TonUSD an attractive choice for users and investors in the evolving stablecoin market.

VI. TonUSD Liquidity Provider Alliance

The TonUSD Liquidity Provider Alliance is a decentralized organization consisting of individuals and entities committed to providing liquidity to the TonUSD market. This alliance plays a crucial role in maintaining the stability, liquidity, and efficiency of the TonUSD market.

6.1 Purpose and Benefits

Purpose

The main purposes of the TonUSD Liquidity Provider Alliance are

Provide stable liquidity: The alliance works to ensure that there is always sufficient liquidity in the TonUSD market, helping to minimize price volatility and facilitate trading.

Foster ecosystem growth: By providing liquidity, the alliance supports the growth and adoption of TonUSD, attracting more users and developers.

Earn rewards and profits: Members of the alliance can earn rewards and profits from providing liquidity and contributing to market stability.

Benefit

Benefits of joining the TonUSD Liquidity Provider Alliance include

Liquidity rewards: Members receive rewards based on the amount of liquidity they provide and the duration of their commitment.

Voting rights: Members have the right to participate in the decision-making and governance of the alliance through a voting mechanism.

Priority access: Members may gain early access to new features, products, and investment opportunities within the TonUSD ecosystem.

Community support: Members are part of a community of like-minded individuals where they can share knowledge, experience, and opportunities.

6.2 Participating Members

The TonUSD Liquidity Provider Alliance consists of the following participants



Individuals

TonUSD holders who want to contribute liquidity to the market to earn rewards and support the growth of the ecosystem.



Organizations

Investment funds, companies, and groups with the capacity to provide large amounts of liquidity and long-term commitment to the growth of TonUSD.



Market Makers

Professional market makers with expertise in providing liquidity and maintaining market stability.



Developers

Individuals who contribute skills and resources to build and improve the TonUSD ecosystem, including liquidity provision tools and platforms.

All members of the alliance share a common commitment to transparency, accountability, and collaboration to support the healthy and sustainable development of the TonUSD market.

6.3 Operating Principles and Governance

The TonUSD Liquidity Provider Alliance operates based on the following principles



Decentralization

Decision-making power and responsibility are distributed among all members through a stake-based voting mechanism



Transparency

All activities, transactions, and decisions of the alliance are recorded on the blockchain and publicly accessible.



Accountability

Members are responsible for their actions and are subject to penalties if they violate the rules or cause harm to the alliance.



Incentivized participation

The alliance creates incentive mechanisms to encourage active participation and long-term contribution from members.



Sustainability

Decisions and activities of the alliance are geared towards the long-term sustainable development of the TonUSD ecosystem.

The governance structure of the TonUSD Liquidity Provider Alliance includes



Board of Directors

A group of members elected by the community to oversee the operations of the alliance and make strategic decisions.



Specialized Committees

Groups focused on specific areas such as technical development, marketing, compliance, and risk management.



Voting Mechanism

Important decisions are made through member voting, with voting power based on the level of contribution and commitment of each member.



Auditing and Monitoring

The activities of the alliance are regularly audited and monitored by independent third parties to ensure transparency and accountability.

Through this decentralized and transparent governance structure, the TonUSD Liquidity Provider Alliance creates a collaborative and trustworthy environment to support the growth of the TonUSD ecosystem and benefit all stakeholders

VII. Development Roadmap

The development roadmap of TonUSD is divided into three main phases, with the ultimate goal of becoming a leading stablecoin that is widely used globally. Each phase focuses on specific priorities and objectives to ensure the sustainable development and orderly expansion of the TonUSD ecosystem.



Phase 1

Launch of TonUSD and Building the Core Ecosystem

The first phase focuses on the successful launch of TonUSD and establishing a solid foundation for future development. The main objectives include:

- Developing and deploying TonUSD smart contracts: Ensuring that TonUSD is built on a robust, secure, and efficient technical platform.
- Establishing supply-demand mechanisms and governance: Implementing algorithms and policies to maintain the stability and transparency of TonUSD.
- Launching core applications: Developing and deploying essential applications such as TonUSD wallet, decentralized exchange, and payment gateway to promote the adoption and usage of TonUSD.
- Building community and marketing: Attracting potential users, investors, and partners through marketing efforts and community building, creating awareness and interest in TonUSD.

This phase aims to create a solid foundation and start attracting users and building an active community around TonUSD.

Phase 2

Expanding the Ecosystem and Partnering with Strategic Collaborators

After establishing the core foundation, the second phase focuses on expanding the TonUSD ecosystem and building strategic partnerships to drive growth. The main objectives include:

- Developing new applications and services: Expanding the TonUSD ecosystem with DeFi applications, NFT marketplaces, blockchain games, and more, bringing more use cases and benefits to users.
- Partnering with strategic collaborators: Establishing partnerships with leading blockchain projects, financial institutions, and technology companies to expand the utility and accessibility of TonUSD.
- Integrating with external platforms and services: Working to integrate TonUSD into popular exchanges, wallets, and payment platforms, enhancing its interoperability and adoption.
- Expanding community and global outreach: Intensifying marketing and outreach efforts to grow the TonUSD community globally, attracting users and investors from diverse regions and industries.

This phase aims to significantly expand the utility and adoption of TonUSD while establishing it as a leading stablecoin within the cryptocurrency ecosystem.

Phase 3

Global-Scale Development

The final phase focuses on making TonUSD a globally recognized and widely used stablecoin. The main objectives include:

- Mass adoption: Promoting the adoption of TonUSD across various industries and sectors, including e-commerce, cross-border remittances, everyday payments, and more.
- Collaborating with organizations and governments: Working with financial institutions, regulatory bodies, and governments to promote the acceptance and integration of TonUSD into the traditional financial system.
- Expanding infrastructure and support: Continuously improving the technical infrastructure and expanding customer support services to meet the growing needs of users and partners globally.
- Continuous innovation and development: Investing in research and development to improve the technology, features, and user experience of TonUSD, maintaining a competitive edge in the stablecoin market.

The ultimate goal of this phase is to establish TonUSD as a globally recognized stablecoin that is widely used by individuals, businesses, and organizations worldwide.

By following this strategic development roadmap, TonUSD is positioned to become a leader in the rapidly evolving stablecoin industry, delivering value and utility to users, partners, and the community on a global scale.

VIII. Conclusion

8.1 Summary

TonUSD is an innovative and ambitious stablecoin project that aims to bring stability, transparency, and accessibility to the cryptocurrency market and the global financial system. By combining advanced TON blockchain technology, decentralized governance mechanisms, and a sustainable economic model, TonUSD addresses many of the challenges and limitations of existing stablecoins and traditional financial systems.

The key advantages of TonUSD include



Stability

The flexible supply-demand mechanism and fee adjustment algorithm ensure that the value of TonUSD remains tightly pegged to the US dollar.



Transparency

All transactions and activities of TonUSD are recorded on the TON blockchain, providing perfect transparency and auditability.



Scalability

Built on the high-performance TON blockchain, TonUSD can handle a large volume of transactions with low latency and low costs.



Diverse ecosystem

TonUSD facilitates the development of a vibrant ecosystem comprising DeFi applications, NFT marketplaces, blockchain games, and more.



Decentralized governance

The TonUSD Liquidity Provider Alliance and community-based governance mechanism ensure decentralization and fair representation for all stakeholders.

With these compelling advantages, TonUSD is well-positioned to become a leading stablecoin in the cryptocurrency market while contributing to the growth of the TON ecosystem and driving innovation in the financial sector.

8.2 Future Vision of the TonUSD Project

The long-term vision of TonUSD is to become a widely used and trusted stablecoin worldwide, facilitating financial inclusion, economic growth, and technological innovation. To realize this vision, the TonUSD project will focus on the following key areas:



Continuous technology development

Continuously improve and optimize the TonUSD protocol, ensuring world-class performance, security, and scalability.



Ecosystem expansion

Foster the development of innovative applications and services built on TonUSD, bringing more use cases and benefits to users.



Mass adoption

Promote the adoption of TonUSD across various industries and sectors, including e-commerce, cross-border remittances, micro-payments, and more.



Strategic collaborations

Build partnerships with financial institutions, regulatory bodies, and governments to promote the acceptance and integration of TonUSD into the traditional financial system.



Community education and outreach

Provide resources and educational support to help individuals and businesses understand and use TonUSD effectively while nurturing a vibrant global community around the project.



Financial innovation

Become a leading force in revolutionizing traditional finance, helping simplify financial services, reduce transaction costs, and promote financial inclusion for individuals and businesses worldwide.

By pursuing this vision and adhering to its core principles, the TonUSD project seeks to create a positive and lasting impact on the global financial system, empowering individuals and businesses to take control of their financial lives and fostering economic prosperity for all.

In this journey, TonUSD will face numerous challenges and uncertainties, but with its strong technological foundation, unwavering belief in its mission, and the support of a dynamic community and strategic partners, the project is well-equipped to overcome these obstacles and realize its immense potential.

The success of TonUSD promises to benefit not only stablecoin holders and users but also contribute to the sustainable and long-term development of the entire cryptocurrency ecosystem and the global economy. This is an exciting opportunity to be part of a groundbreaking and meaningful project that has the potential to reshape the financial landscape for decades to come.

Appendix

A. Legal Information

TonUSD is committed to complying with all applicable laws and regulations related to cryptocurrencies, securities, and anti-money laundering (AML/KYC). The project will work closely with legal advisors and regulatory authorities to ensure full compliance in all aspects of its operations.

Some important legal notes

TonUSD is not a security and is not subject to any securities regulations.

The purchase and use of TonUSD do not constitute an investment and do not confer any ownership or profit rights in the TonUSD project.

The TonUSD project is not responsible for any losses or damages arising from the use of or reliance on TonUSD.

TonUSD users are responsible for complying with all applicable laws and regulations in their jurisdiction.

This white paper is for informational purposes only and does not constitute investment advice, financial advice, or any other form of recommendation. Any decision to purchase, hold, or use TonUSD is made by individuals based on their own research and judgment.

B. Glossary of Terms

- **Blockchain:** A decentralized and immutable ledger that records transactions across multiple computers.
- **TON:** Telegram Open Network, a high-performance blockchain designed to support a range of decentralized applications.
- **Stablecoin:** A type of cryptocurrency designed to maintain a stable value relative to a reference asset, typically the US dollar.
- **DeFi:** Decentralized Finance, an ecosystem of blockchain-based financial applications that provide services such as lending, trading, and investing without intermediaries.
- **Smart contract:** Self-executing programs on the blockchain that enable the automated execution of contracts and secure transfer of funds
- **Liquidity Provider (LP):** Individuals or organizations that provide liquidity to the market by posting buy and sell orders.
- **NFT:** Non-fungible token, a type of digital asset representing ownership of a unique item, such as a piece of art or virtual real estate.
- **Mint:** The process of creating a new unit of a cryptocurrency, in this case, TonUSD.
- **Redeem:** The process of exchanging a unit of cryptocurrency for an underlying asset, in this case, TON.
- **Consensus mechanism:** A protocol used to achieve agreement among nodes on a blockchain network about the state of the ledger.

C. References



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POWER OF LIQUIDITY PROVIDER**

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