NOBUNAGA TOKEN
September, 2021
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Around 430 years ago, a commander won fame throughout the Far East country of Japan. He would be known to history as Nobunaga Oda. The first to unite this ancient land in an incredible feat of genius, Nobunaga Oda became one of three great warriors praised in the annals of Japanese history. At the same time, he inspired a sense of fear and awe that would never be forgotten.

Inappropriate, brazen, elusive, prudent, innovative, and above all pragmatic, he upended traditions and conventions, while deftly choosing the most effective means to achieve his goals. To the people of Japan, he embodied a spirit unlike anything seen before.

“Tenka Fubu” - Peace and Prosperity through Power
Throughout his life, he continuously repeated this phrase. This declaration revealed his desire to create a better world for all - not by suppression through military might, but by ensuring an end to conflict and war. In a period of endless strife, his vision for society seemed nothing short of impossible.

However, it was through these words that he achieved unparalleled greatness. What is more, it was the philosophy behind this motto that built the economic foundation of the Far East country of Japan as we know it today. His words were transformed into the laws and practices of the common person, and they continue to live on in the social fabric.

This truth is testament to his understanding and commitment to the essence of things. He was always focused on a future he knew would one day manifest itself, if given the chance.

Fast forward to today, we face a feeling of entrapment by the powers that be that is no less grave than the medieval forces reformed by Nobunaga Oda. And one of the prime factors behind our current shackles are the economic and financial traditions that seek to bind us.

In 2021, a new token has come forth, bearing Nobunaga Oda’s name and honoring his philosophy.

It seeks to reexamine the financial conventions practiced by people up until now. Focused on a newly-emerging future, it promises to pay the utmost respect to the cultures surrounding us. To realize its vision, Japan’s first domestic DEX is born.
2. Mission Statement

United Worlds of Creativity and DeFi
1. First in Japan

NBNG is a governance token issued by SENGOKU SWAP.FINANCE (SSF), Japan’s first international decentralized exchange (DEX). NBNG is an ERC20 token with a total token count of 1 billion NBNG as a protocol token for SSF.

Click here for NBNG’s smart contract address
0x9275e8386a5bdda160c0e621e9a6067b8fd88ea2

2. Yield Farming

Yield farming at SSF ensures liquidity. If you deposit an ETH and NBNG currency pair (LP) in SSF and provide liquidity, you will get NBNG as a secondary incentive. You can also earn NBNG as a secondary incentive by staking individual currencies or currency pairs.

3. Japan Culture × NFT Store

For phase one, we will launch the NFT store “Rakuza” in order to allow anyone to freely auction and display Japanese pop cultural assets, with the actual anime cels and manga originals as collateral, by transferring these assets through smart contracts as NFTs. In the future, we are planning to release various projects using Rakuza NFT, such as NFT staking.
4-1. Introduction

Starting with the publication of a treatise by Satoshi Nakamoto in 2008, many planners have designed various token economies to realize financial decentralization.

Numerous blockchain networks, including Bitcoin and Ethereum, have proved the usefulness of blockchain and succeeded in creating great value in this huge social experiment. In addition, in 2020, the advent of decentralized finance “DeFi” shocked the blockchain industry. Withdrawal from administrators, a more decentralized (autonomous decentralized) operating protocol emphasized blockchain credibility and succeeded in evolving the administrator-less Bitcoin ecosystem. A number of DeFi protocols have been created and the market-locked funding has exceeded US$ 80 billion.

The market size of DeFi, which shows the original value of blockchain, continues to expand, and as a result of various project teams developing on-chain assets and off-chain assets, and continuously creating non-substitutable value, DeFi, NFT market, and the market dominance of the market and the platforms that support them will exceeds the majority is considered only a matter of time. Even NFT is already a fast-growing market of about US$1.5 billion in January - March 2021.

On the other hand, looking at Japan, the DeFi and NFT markets, in particular, are still in the development stage. One of the major reasons for this is that although centralized exchanges are well-developed in Japan, in the area of DeFi and NFT, there are almost no sufficient Japanese applications, and the entry to the volume zone has not yet been made.

Among them, SSF proposes the development of the DeFi market in Asia and a realistic next generation economic zone through more diverse projects in the future, combining the enrichment of Japanese applications in the DeFi and DEX domains and the potential content in Japan by NFT.
4-2. Function of DEX in SSF

Uniswap is an automated liquidity protocol that implements a system of smart contracts on the Ethereum blockchain. Users ensure liquidity by offering a percentage of ETH and other ERC20 tokens. Offer a pair of ERC20 tokens in one liquidity pool. All liquidity providers split a trading volume of 0.3% as a commission. Liquidity providers need to set the ratio of two ERC20 tokens.

Liquidity Token liquidity provider (hereinafter referred to as LP) acquires a liquidity provider token (hereinafter referred to as LP token) used to represent the share of LP in the current liquidity pool. LP tokens are ERC-20 tokens that can be transferred without deleting the liquidity of the liquidity pool. Each liquidity pool has a corresponding LP token.

Uniswap V1 implements basic AMM exchange functionality, but it also has some issues. The contract cannot be upgraded, so to fix this issue, the development team reimplemented Uniswap V2 with the same basic features as Uniswap v1 and some new features such as:

(i) Create token pair
Instead of using ETH as an intermediary for Uniswap V1, users can directly create trading pairs of two ERC-20 tokens.

(ii) Oracle price
Adopt more reasonable price Oracle that makes it difficult to manipulate prices by using the price randomness of the transaction before the first transaction in the block.

(iii) Flash Swap
The user can get the target token first and complete the swap later. Alternatively, you can return the token within a specific time so as not to trigger the swap process. This is the same as borrowing tokens in the liquidity pool.

(iv) Liquidity provider
The original 0.3% liquidity provider fee can be split into two parts, of which 0.25% is used by the liquidity provider in proportion to its contribution to the liquidity reserve, and 0.05% is sent to the pre-set address as the Protocol Fee, which can be used for different purposes.

These new features increase the usability of Uniswap. For the exchange functionality, SSF remains the same as Uniswap V2.
SSF launches AMM’s Decentralized Exchange (DEX) protocol Uniswap model as the first phase. In addition, DEX in SSF will shift from the Layer2 concept planned in Version 1.0 of the white paper and grow as an application that is more connected to the token ecosystem. As of April-September 2021, the SSF DEX V1 model has been launched and will have the following features:

- AMM exchange function based on Uniswap model
- Providing UX through a DEX application with Japanese UI, a pioneer in Japan
- Link with NBNG ecosystem through proprietary staking applications

In addition to the above features of V1 model, SSF DEX V2 model, which will be launched in October 2021 or later, will further implement yield farming and staking linked to the liquidity of the DEX, enhancing the liquidity of the SSF DEX and growing its functionality as a DEX through synergy with various projects and their tokens, not only NBNG.

SSF DEX Application
4-3. NBNG Token Standard and Ecosystem

NBNG is an ERC20 token. NBNG is a key component of the SSF system as it is the SSF governance token. NBNG is also a certificate for users to participate in governance, token lists, transaction validation, and repurchase. This white paper details the NBNG economy model.

**NBNG token allocation and vesting**

NBNG is the governance token for the SSF, with a total of 1 billion. SSF token ticker is NBNG.

The smart contract address for the NBNG is 0x9275e8386a5bdda160c0e621e9a6067b8fd88ea2.

NBNG’s distribution ratio is as follows:

1. **50% of community mining**

SSF is a community-based distributed token-swapping protocol. Most of the governance tokens are distributed through community mining and allocated to community members participating in the system. Tokens allocated to community mining account for 50% of the total token supply, with 500 million NBNG allocated to community mining. 460 million NBNG will be distributed in the first three years, after which 0.7 billion NBNG will be used for long-term incentives.

**[First Year]**

14% of the total token supply will be distributed, of which 4% will be used for airdrops.

The second year is 18.50%, the third year is 10.50%, and after the fourth year, the total is 7%.

Community mining includes the following:

i. LP Farming (including pair staking): 30% of total supply
ii. Single staking: 3% of total supply
iii. Airdrop to NBNG holders: 10% of total supply
iv. NFT staking: 7% of total supply
2_ 30% to SSF team:
150 million NBNG will be allocated to the SSF team with a one-year lockup from the launch of the mainnet. Starting in the second year, 10% of the total token supply will be distributed to the SSF team annually until the end of the fourth year. Developers are also key participants in the SSF ecosystem. The SSF official team is responsible for the development and maintenance of SSF and will get 30% of all NBNG tokens within 4 years.

3_ 8% for ecosystem developers and ecosystem growth:
Community developers and other developers who provide services or products to SSF users will have 8% of their NBNG tokens (totaling 80 million NBNG) allocated to developer and ecosystem growth initiatives within 4 years, with 2.0% distributed annually over 4 years. A portion of the 8% will be used for airdrops and incentive programs for community members participating in early-stage testing.

4_ 3% of initial liquidity:
A total supply of 3% of NBNG tokens will be used on decentralized trading platforms such as SSF and Uniswap to provide initial liquidity for NBNG within one year of the mainnet launch. A total of 30 million NBNG will be used to provide initial liquidity for (NBNG-USDT) on Uniswap between 12:00 - 22:00 (JST) on April 10, 2021. The initial liquidity ratio is 30,000,000 NBNG / 1,500,000 USDT.

5_ 1% to advisors:
10 million NBNG, 1% of the total token supply, will be allocated to advisors. The tokens will be distributed within three years and are 0.33% annually.

6_ 3% to presales:
30 million NBNG, 3% of the total token supply, will be allocated for the pre-sale. There will be 22 pre-sales and the tokens will be locked and distributed for a period of 6 months.
4-4. Yield Mining of NBNG in SSF DEX

LP Farming
Liquidity is the most important component of the SSF trading experience. Therefore, 30% of the total NBNG supply will be allocated to reward SSF liquidity providers for LP Farming and Pair Staking fees.

Staking
In SSF, single staking of NBNG will also be implemented. NBNG will be distributed as rewards for the amount of NBNG staked with a fixed lock period. The reward NBNG distributed for single staking is 3% of the total supply.

※SSF initial staking and pair staking
In SSF, staking will be conducted using ETH and various other tokens. Initial staking will be implemented with a fixed lock period. GOKU, a RAKUZA management token, is distributed as a reward for this staking. GOKU is a token that plays a role in RAKUZA's "value scale", "value storage", "exchange and liquidation", and is closely related to SSF and RAKUZA, staking of NBNG-GOKU pairs will be carried out at a high rate (2000% initially and gradually decreasing depending on the amount of NBNG staked).

NFT Staking
NBNG is distributed as a reward for staking NFTs in linkage with the RAKUZA marketplace (NFT). The reward NBNG distributed for NFT staking is 7% of the total supply.
4-5. Audit Information

NBNG has been audited by SlowMist and its audit items have been PASSED.

Audit Result: Passed
Audit Number: 0x002106290001
Audit Date: 2021.06.25 – 2021.07.14
Audit Team: SlowMist Security Team

Summary conclusion: This is a token contract that does not contain the tokenVault section.

The total amount of tokens in the contract remains unchangeable.
SafeMath security module is used, which is a recommended approach.
The contract does not have the Overflow and the Race Conditions issue.
In 2000, the art world’s leading museum, the Louvre recognized manga and anime as the 9th category of arts. Manga exhibitions were opened in the British museum last year and the Museum of Modern Art, New York in 2021. Manga and anime have moved beyond Japan and become a modern art movement of the 21st century.

Animation cels and original manga illustrations are often seen at the world’s auction houses, both in Japan and abroad, and are seeing ever-increasing valuations as works of art.

The reputation of Japanese anime and manga continues to grow around the world, with many creators behind the scenes dedicating their lives to produce these works. Complete works of anime and manga are excellent, but the cels and original illustrations they are made from are exquisite works of fine art in their own right, and they speak to different aesthetic tastes than the completed works.

At the Rakuza NFT Marketplace, we expect to create a new economic market where the focus is on the value of those cels and illustrations as NFTs, and we protect and promote the value of creators working with Japanese pop culture.
Phase 1
Art NFT Stable

As the first phase, the digital cels and original illustrations will be transferred to smart NFT contracts with the actual cels and manga originals as collateral, and anyone can freely display and auction them.

All the cels and illustrations in our store have been sourced from real businesses or bought at auction, and we have over 1,500 items in stock as of September 2021. We are making these collections the real business to have more stocks constantly over various works.

As real assets hold their value, we are confident that by combining these creative works with our DeFi product NBNG will experience increasing demand, liquidity, and appreciation over time.
6. Roadmap

01 OCT. 2020
Sengoku Swap.Finance and Governance Token NBNG Project launched

25 MAR. 2020
White paper Ver 1.0 released

31 MAR. 2021
Governance Token NBNG Presale

10 APR. 2021
Listed NBNG on Uniswap

22 APR. 2021
Launch Japan’s first DEX Sengoku Swap.Finance
*AMM Decentralized Exchange (DEX) protocol Uniswap model as first phase

5 May. 2021
Rakuza NFT marketplace beta version released
*NFT store for anime and manga cels and original drawings

01 Jul. 2021
Rakuza Grand open
*Resale market starts.
*More than 1,000 items handled.
*Total transaction volume exceeds 200 million yen equivalent.

SSF DEX staking started
*Initial staking started.
*NBNG single staking stated.
* NBNG pair staking implementation

Scheduled for JUL. 2021
SSF layer update
*Significant reduction in gas consumption
*100-200x scalability of Ethereum mainnet
→Change of policy to launch SSF DEX V2

Scheduled for Oct. 2021
SSF DEX V2 Launch
*Implementation of pharming function
* Liquidity staking implementation

Scheduled for 2021
List NBNG major exchanges
Please be aware of and acknowledge the following risks before using NBNG. NBNG shall not be liable for any loss or damage arising from or in connection with any of the following risks.

7-1. Risks related to the property value of NBNG itself

NBNG is not issued as securities, financial instruments or any other investment products or prepaid means of payment under the Financial Instruments and Exchange Law, but as crypto-assets that meet the requirements of crypto-assets No. 2 under the Fund Settlement Law of Japan. NBNG is issued in accordance with the ERC20 standard and can be exchanged for various services that accept the ERC20 standard, but neither SSF nor the NBNG issuer recommends or guarantees this. NBNG users are requested to use external services as their own operation under their own responsibility and authority.

7-2. Risk of Losing NBNG due to the Loss of Private Key

Private key itself or a combination of private keys is required for the disposal of the users‘ NBNG, and the management of the private key shall be under their own authority and responsibility. Besides, loss of NBNG may be caused by phishing attacks, malware attacks, DoS attacks, consensus-based attacks, or other various types of attacks.

7-3. Risks associated with the Ethereum protocol

NBNG is based on Ethereum protocol ERC20, any Ethereum protocol malfunctions may cause serious effect to NBNG, and there might be some possibilities that NBNG cannot be used temporarily in such cases. Additionally, it requires transaction fees (gas fees) to use NBNG and transfer money on the Ethereum network, but the fees might skyrocket because of the cause we are not related to, like the congestion of Ethereum network.
7-4. Risks of Mining Attacks
NBNG is, as well as the other decentralized cryptocurrencies based on the public blockchain protocols, may be subject to attacks by mining during the verification of the transaction. These attacks may pose a risk to transaction records regarding NBNG.

7-5. Risk of Change in Laws and Regulations, Risk of Taxation
NBNG is subject to future changes in laws, ordinances, guidelines, and other regulation or taxation systems related to NBNG. In addition, users shall make decisions as regards the necessity of filing tax returns and other taxation related NBNG under their own authority and responsibility.

7-6. Risk due to Input Errors by Users and Other Factors
There may be a risk of unintended transaction results due to input errors or other actions caused by the user, malfunctions or operating conditions of the user’s or a third party’s communication or system equipment, natural disasters, cyber-attacks, or any other cause.

7-7. Relationships between Users
Any transactions, communications, disputes, etc., that arise between users and other users or third parties in connection with our website shall be handled and resolved under the users’ own responsibility, and we shall not be responsible for such matters.

7-8. Risk associated with the Issuance or Suspension of NBNG Circulation
We shall not be liable for any damages incurred by the user about the suspension, termination, or modification of the issuance or distribution of NBNG, deletion or loss of the users’ messages or information, cancellation of the users’ registration, loss of data due use of the service, or malfunction or damage to equipment, or any other matters.
7-9. Supplementary provisions

1. White paper Ver 1.0 was published in April 2021.
2. This white paper is Ver 2.0, which mainly reviews the entire DEX and ecosystem, Dapps plan and roadmap, and includes changes from Ver 1.0.
3. White paper Ver 2.0 is released in September 2021.