



Standard of blockchain based gambling

www.TOMBOLA.io
www.TOMBOLA.game

Whitepaper

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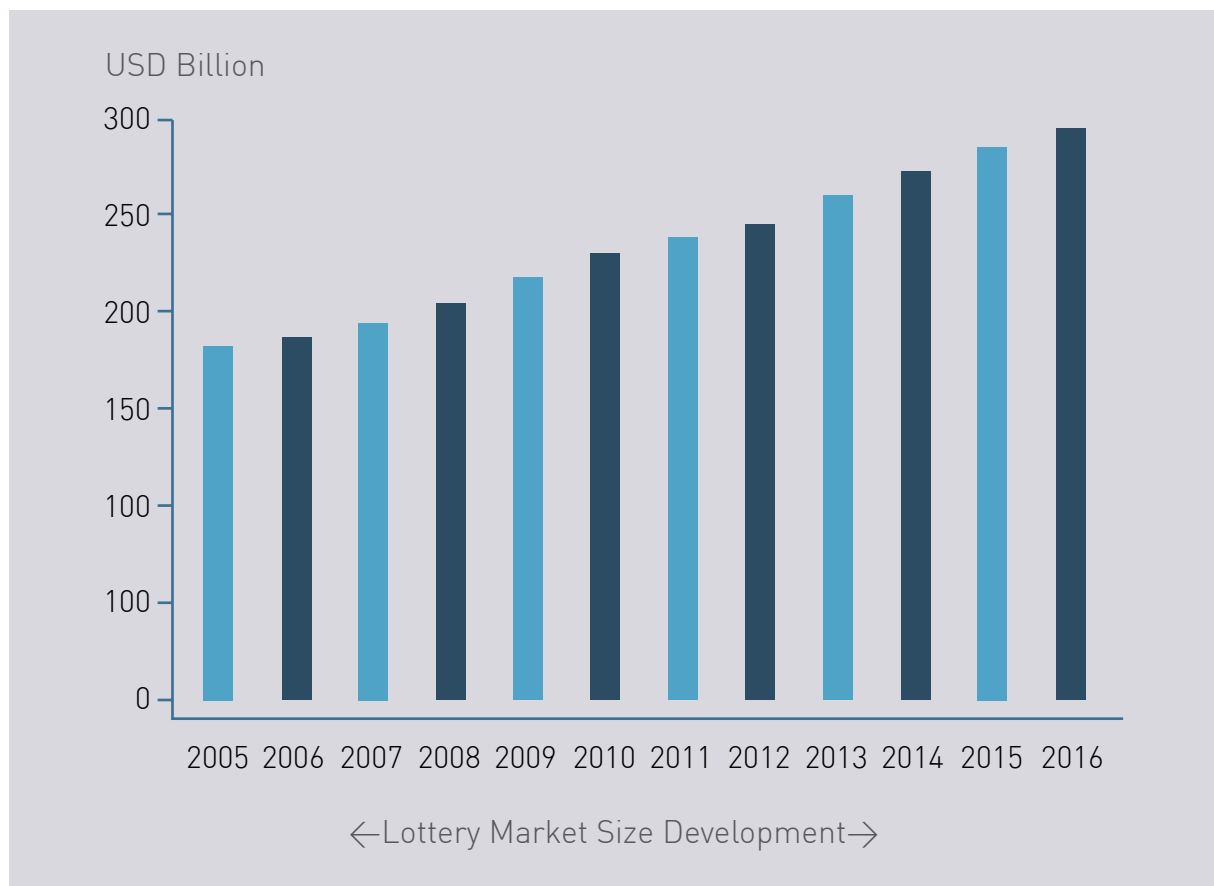
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1. Introduction

Tombola is a reliable lottery platform that draws on a blockchain basis. Users can purchase tickets through cryptocurrency and proceed with the game, and the prizes are automatically distributed according to the winnings. One will be able to freely use the value obtained through purchase or winning by using various game services and distribution system, which provides users with an opportunity to increase their value.

A. Potential of development of the lottery market.

The lottery market, which has continued to grow from \$ 178 billion in 2004 to \$ 230 billion in 2010, to \$ 263.4 billion in 2013, and to \$ 294.3 billion in 2016, is expected to grow at a compound annual growth rate (CAGR) of 9.44% in the coming years. In addition, traditional lotteries lead to sales of various digital versions of lottery tickets, including web and mobile apps, and therefore they are gradually being replaced by highend technologies. With the continuous development of digital technology, decentralized blockchains with fairness, transparency and security have appeared and created a new paradigm which still continues to evolve.



With the advent of cryptocurrency in 2009, the potential of the existing lottery market has been maximized. The winnings, which are usually collected only in one country, are now no longer centrally controlled, but all countries can use highly credible currencies with no geographical limit, and as the value and use of cryptocurrency evolves over time, the size of the prize money in the cryptocurrency lottery market can be much larger than the amount collected only in certain areas.

B. Problems of the existing lottery industry

B-1. Are winnings decided through fair drawing?

As the first example, there was a case involving a sports lottery in 2004 in Shanxi, China. In a rule where a total of four winners were to win in a sports lottery, Liu Liang, a 19-year-old boy who won a BMW car, went to collect the prize, but the lottery company sued Liu for forging the lottery ticket. However, Yang Yongming, a sports lottery company contractor, had predetermined the four winners unofficially before proceeding with the draw, but Liu happened to become one of the winners because of their procedural mistake. Yang Yongming, who did not know about the mistake, believed Liu forged the winning lottery ticket and sued him. This resulted in the arrest of five people such as the predetermined government officials including Yang Yongming.

As the second example, there was a case in which someone tried to receive a prize of \$ 14.3 million on the Hot Lotto on December 29, 2010 in the name of an anonymous overseas listed company. As a result, Eddie Raymond Tipton, an information security director of the US Multi-State Lottery Association (MUSL), confessed to manipulating random number generators with two accomplices and was sentenced to 25 years in prison. Hot Lotto ran the drawing through a random number generator running on a computer at the MUSL's Des Moines facility, where Tipton used a USB flash drive to install a self-destructing malware code on the random number generator computer to manipulate the lottery. In addition to this scandal, Tipton has also been suspected of manipulating a Colorado lottery drawing in 2005, a Wisconsin lottery drawing in 2007, and a 2011 Oklahoma lottery drawing.

In ordinary lotteries like this, if an individual or organization tries to manipulate the result, there is room for manipulation, and if anybody tries to manipulate, cases such as the examples can occur at any time. However, Tombola extracts a random number that cannot be manipulated at a fixed time through a random number drawing based on a blockchain, and save the number, time, and user's wallet selected by each person participating in the game in the blockchain, which makes it possible to continuously develop to be more transparent and fairer than any other lottery services.

B-2. Transparency in the use of funds

As for the existing state lotteries, on average, only 50% of the funds are distributed to the winners, and the remaining amount is not fully explained about its use, lacking in transparency. There are some companies that wrote about its approximate ratio of use of the remaining funds, but in reality, many lottery operators are wasting the funds on their excessive or unnecessary operating expenses, and they are paying a lot of taxes, too. They do not disclose detailed amounts and proof of expenditure to users who purchased the actual lottery tickets, either.

C. Potential of blockchain based game industry

The global game industry is expected to grow 12.4 percent from 168.81 billion dollars in 2017 to 189.86 billion dollars in 2018, of which the gambling category is expected to be around 51.96 billion dollars. In particular, as the entry barriers to online gambling have been lowered due to the advent of the cryptocurrency, the potential for future growth is expected to be exponential, with the growth rate of past market sizes becoming worthless.

The existing block chain Gambling service “BitSler” started with the opening of the service called “DICE”, “ROULETTE”, “MULTSALELOLOR” and “CARAZ” in February 2015. Since the opening of the service, the accumulated number of bets has reached about 25 billion times and total amount of betting amounts to approximately \$ 23 billion. (Estimate based on FortuneJack betting amount)

The block chain casino service “FortuneJack”, which was launched in November 2014, provide games such as Dice, Slot, Blackjack, and Bacara in dozens of versions. The accumulated number of bets since the opening of the service amounted to about 8.9 billion times, which is about 8.2 billion dollars when converted into the accumulated bet amount. (1 BTC = 9400 USD x 870000 BTC until May 10, 2018)

Another service, “Primedice,” started the service opening in February 2013, accumulated bets of 22.2 billion times and accumulated bet amount of \$ 20.4 billion. (Estimate based on Fortunejack deposits)

| | BitSler | FortuneJack | PrimeDice |
|---|--------------------|--------------------|---------------------|
| Service start date | February, 2015 | November, 2014 | February, 2013 |
| Cumulative betting count | ≥ 25 billion times | ≥ 8.9billion times | ≥ 22.2billion times |
| Cumulative placement amount (estimated) | ≥ 23 billion USD | ≥ 8.2 billion USD | ≥ 20.4billion USD |

←By April 2018.4→

The personal, legal, fair, low fees and self-value characteristics of block-chain technology make it possible for the industry to grow faster than any previous gambling industry.

2. Tombola Lottery Service

A. Tombola 6/45

The traditional lottery game Tombola 6/45 is a jackpot winning game if the six numbers on a ticket match the numbers drawn by the lottery out of a total of 45 numbers. Details of the game are as follows.

- **Ticket price:** 10 TBL
- **Draw intervals:** 24 hours
- **Distribution of Game Revenue**

| Matching numbers | Probability of winning | Distribution |
|------------------|------------------------|--|
| 6 | 1 / 8,145,060 | Except the payout for winning numbers of 3 and 4, 70% of the amount is distributed |
| 5 | 1 / 35,724 | Except the payout for winning numbers of 3 and 4, 30% of the amount is distributed |
| 4 | 1 / 733 | 250 TBL |
| 3 | 1 / 45 | 25 TBL |

B. Lottery fund distribution plans

We plan to distribute the funds collected by lottery tickets in the same way as in the table below. If there are winners, Tombola will distribute the rewards according to the winning number at the time. If there are no winners, the rewards will automatically be transferred to the pool of next rounds.

| Scale | Distribution |
|-------|--------------------|
| 60% | Prizes |
| 20% | Operating expenses |
| 10% | Dividends |
| 5% | Fees |
| 5% | Charities |

Specific uses by distribution

- Prizes: Prizes are awarded according to the winner's assigned amount.
- Operating expenses: Marketing costs, strategic partnership costs, licensing costs, legal settlement costs, Lotto/Black and White Bank
- Dividends: Tombola Token dividends
- Fees: labor and various maintenance costs
- Charities: Donation to charities

C. Dividend

As of the 25th of every month at 10:00 am (Greenwich Time), 10% of each Tombola profit is accumulated for one month and paid in a lump sum to the people who own the coins according to the share of the coins owned by each person against the total coins.

←Dividend starting point will be announced later→

3. TOMBOLA.Game gaming Services

A. Basic structure of Tombola.game

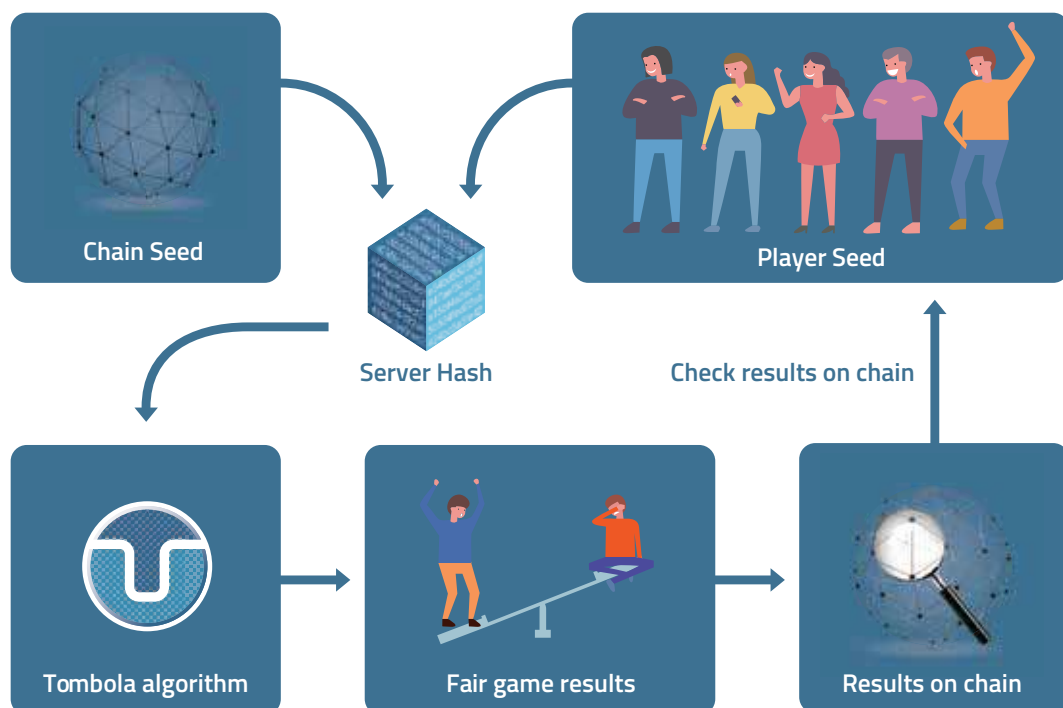
Tombola's basic game structure uses Chain Seed, Player Seed, and the nonce to derive game results. Chain seed and player seed nonce are as follows.

Chain Seed : A randomly generated transaction hash is extracted from within the block chain to be extracted for a public game once a day, and For individual games, use assigned chain seed before using Autogen.

Player Seed : Unique seed provided by the browser for each user.

Nonce : Number set for each game. This function is set to extract random numbers, such as the number of users by number.

Tombola game results are encrypted through chain seed, player seed and nonce and then it is extracted using Tombola decoding and every result is recorded in the block chain, and everybody can see it.



B. Black and White

Tombola Black and White, a concept of instant lottery, is a kind of camp selection game. This is a game where one of the two camps of Black and White is selected; setting a victory camp with a 50% chance for each turn, the user must select a camp within the turnaround time. Players who chose a victory camp receive a prize of 1.98 times the ticket and the other players who chose the defeated camp lose their tickets. It is a fair game in which no manipulation can take place because all users participating in the lottery rounds decide win/lose with even odds.

- **Draw intervals:** 1 mins
- The results of the game are shared by everyone who participated in the same game.
- Rewards of game

| Victory and defeat camp | Probability of winning | Rewards |
|-------------------------|------------------------|----------------------------------|
| Victory | 50% | 1.98 times the number of tickets |
| Defeat | 50% | 0 times the number of tickets |

←Black And White play screen→



C. Turtle Chase

Turtle Chase is a game where three turtles choose one turtle to bet in an exciting running race. Users make a bet by choosing between the red, green, and blue turtles within the preparation time. A game in which a user's choice of turtle wins a race is paid 2.97 times of betting amount. and if a turtle loses the race, the user loses betting amount. It is a fair game where no manipulation can take place because all the players who participate in the game round decide to win or lose by the same result.

- **Game interval :** 1 min
- The results of the game are shared by everyone who participated in the same game.
- Rewards of game

| Turtle | The winning rate | Rewards |
|------------------|------------------|------------------------------|
| The first class | 33.33% | 2.97 times of betting amount |
| The second class | 33.33% | 0 times of betting amount |
| The third class | 33.33% | 0 times of betting amount |

←Turtle Chase play screen→



D. Dice 3

Dice3, a game of how to predict and match the sum of the three dice in advance, allows the user to set the catch value and select up and down. The user can turn the dice three times in total, and when the sum of the three dice is 3 to 10, the result is Down. and when the sum of the three dice is 11 to 18, the result is Up. For example, the user bet on Down before making a move, and the first dice gets 3, the second dice gets 4, and the third dice get 2, and the total is 9. therefore, the total is under 10. So, Player get 1.98 times of betting amount.

● Rewards of game

| The result | Sum | The winning rate | Rewards |
|------------|-------|------------------|------------------------------|
| UP | 3~10 | 50% | 1.98 times of betting amount |
| DOWN | 11~18 | 50% | 1.98 times of betting amount |

←Dice 3 play screen→



E. 5/20 Speed Lotto

10 % is tombola operating expenses . 20% of amount will automatically be transferred to the pool of next rounds. If there are winners, 70% will be paid to them. And the remaining amount is all will be transferred to the pool of next rounds.

- **Ticket price:** 0.0001 BTC, 0.001 ETH, 0.001 BCH, 10 TBL
- **Gap of draw:** 24 hours
- Rewards of game

| Ranking | Number of draw | The winning rate | Rewards |
|---------|----------------|------------------|--|
| 1 | 5 | 1 / 15,504 | 70% of total ticket price sold except for total dividend for ranking 2, 3, 4 |
| 2 | 4 | 1 / 1033 | 10 times of ticket price |
| 3 | 3 | 1 / 147 | 2 times of ticket price |
| 4 | 2 | 1 / 34 | Ticket price |

- 5/20 lotto fund distribution plans

| Scale | Distribution |
|-------|-------------------------------------|
| 70% | Prizes |
| 20% | Transfer to the pool of next rounds |
| 10% | Tombola operating expenses |

←5/20 Speed Lotto play screen→

5/20 SPEED LOTTO TICKETS



F. Original Dice

Developing

G. Tomchinko

Developing

H. Distribution

Of the net income generated from games such as A, B, C, D, E and F above, 50 percent will be regularly allocated to Tombola token holders. In this regard, the official channels will be announced later.

4. TOMBOLA Influence

A. Fairness of Tombola

A-1. Blockchain

In a blockchain, a 'block' is a ledger where personal data and personal transaction (P2P) data are recorded. After these blocks are formed, they have a structure of 'chain' sequentially connected over time. Every user has a transaction history, so when verifying transaction details, you should check and verify the ledgers held by all users. For this reason, the blockchain is also referred to as a "public transaction ledger" or "distributed transaction ledger".

however, it is difficult to forge or alter data because many people store the same data. If you try to forge or alter them, it is virtually impossible because you have to forge or alter all the data of the innumerable people.

A-2. Smart Contract

Smart contract is a computer protocol designed to digitally propagate, verify, or enforce contracts. Smart contracts allow for trusted transactions without third parties, which are traceable and irreversible. The purpose of smart contracts is to provide a secure method that is superior to traditional contracts and to reduce other transaction costs associated with contracts.

A-3. Application to lottery services

Based on the above-mentioned blockchain and smart contract, all actions performed on Tombola platform, such as the number of tickets selected by all users, the time of purchase of the tickets, the winning numbers, the number of winners, and the winners are impossible to forge or alter. In addition, it can be transparently shared by all users, which completely compensates for the risks inherent in the existing lottery services, making it possible for users to use Tombola without worry on the basis of such reliability.

A-4. Application of Game Services

The meeting of the most accessible online gambling services, using the cryptocurrency optimized for online gambling that is guaranteed to be anonymous, legal and accessible, is creating tremendous synergy. The development of online gambling has long been stagnant because of the transparency issues existing online casinos had. Whether an

online gambling service is playing fairly according to rules has been determined and used purely by the user's beliefs, and the user does not use the service again when they feel unfair. However, gambling based on the block chain and smart contract can generate results according to fair rules that no one can change and manipulate, and everyone can check the actual result.

If Dapp is configured on the Blockchain, the Tombola Game Fair will give game services objectivity and fairness. A specific values on the Blockchain and a specific value entered by the player are entered into the Tombola algorithm. these values are transformed to the hash value. Tombola algorithm produce the number required for the game. And these results are available to all game participants on a block chain network.

Also, Tombola is not the only one that applies the results of a game to a single user, but to a whole host of users. the result of the game is 1:1 between the banker and user used by many existing block chain gambling services.

B. Formation of the cryptocurrency lottery market

Currently the lottery market is under the strict management/supervision of the national or local government. However, the blockchain technology has created a more reliable system than the national or local government. You no longer have to put the funds of many people under the control of the governments or certain companies. As the blockchain and smart contract system that cannot be manipulated or destroyed by anybody will be more fairly funded, fairly lucrative, and fairly distributed than any country or company in the world and can be used to raise funds from users around the world without worrying about geographic restrictions and national currency differences, no one can imagine how big the size of the lottery funds will be when the service is fully activated. In this fascinating situation, Tombola will move forward to explore, research, and develop a variety of ways to lead the world in the market of cryptocurrency restoration.

C. A key currency in blockchain game industry

C-1. extension of game platform

Tombola will evolve into the ultimate goal of becoming a key currency in the blockchain game industry. Tombola is in the process of getting in touch with the various platforms of the game and plans to share our vision and technologies and collaborate with them to establish more platforms to utilize Tombola. As TOKEN SALE ends, we plan to use Tombola on one or two gaming platforms along with Tombola's own Lotto platform, and the number of platforms will gradually increase. As the number of platforms where we can use Tombola tokens is increasing, we expect the value of Tombola to continuously

increase, so we plan to expand the scope of Tombola endlessly.

C-2. interworking with other cryptocurrency exchange

To differentiate itself from existing game platforms, the company is planning to use the account and link services of the Korea Cryptocurrency Exchange in order to solve the inconvenience of deposit and withdraw service into the Tombola service itself and to lower entry barriers. Through the exchange and API linkage, one can use the coins of one's own wallet and can enjoy the Tombola game.

D. Tombola ATM

One of Tombola's mid - to long-term projects is the Tombola ATM development project, in which the Tombola service is more accessible while the crypto industry of the Tombola business is safe online.

The reason why the market have so big difference in offline and online is due to the problem of the safety of the value of the cryptocurrency and the fact that the use adoption of the cryptocurrency is too low. To solve this problem, you can purchase a Tombola Lotto service with a real cash exchange ATM. Offline users can use a traditional TBL ATM. and They can also participate in games and check results in real time.

Tombola has excellent access because you can enjoy games anytime, anywhere through the web and mobile. However, a large proportion of Tombola's service targets are available in categories that cannot be accessed on the Web and mobile, and they are still available only in traditional offline lotteries. If you share a Tombola service, which is fairer and faster than any other offline lottery, with offline lottery buyers around the world, and expand the Tombola user spectrum, it will be the largest lottery service in the world.

E. Social donations

Today, around 925 million people worldwide suffer from hunger because they do not have enough food for a healthy life. Refugees who have left their hometowns due to wars or social conflicts and people who suffer from natural disasters such as floods, droughts, earthquakes or hurricanes need food for survival. Also, even at peaceful times, if prices are rising, people cannot find enough food they need and fall into poverty.

In this situation, Tombola want to make a social contribution using a part of the collected funds, and users must agree to our charity business before they use our service; they will be informed about this in advance. The funds will deliver quarterly charity payments

to UNICEF, UNHCR, WFP or various NGOs.

Delivered content will be made public to users in the most transparent way, and we will listen to users and donate wherever our donations are needed. We will add and activate a system to vote about where to donate in future.

F. Legal solutions

Reliability is one of the most important factors in the business of Tombola, so we are gathering information to get legally licensed by the “Curacao” government to get legal transparency, activate service, and to raise funds freely. We expect to see positive results. It is planning to proceed so that it can obtain a license before it is officially serviced.

5. Token Sale

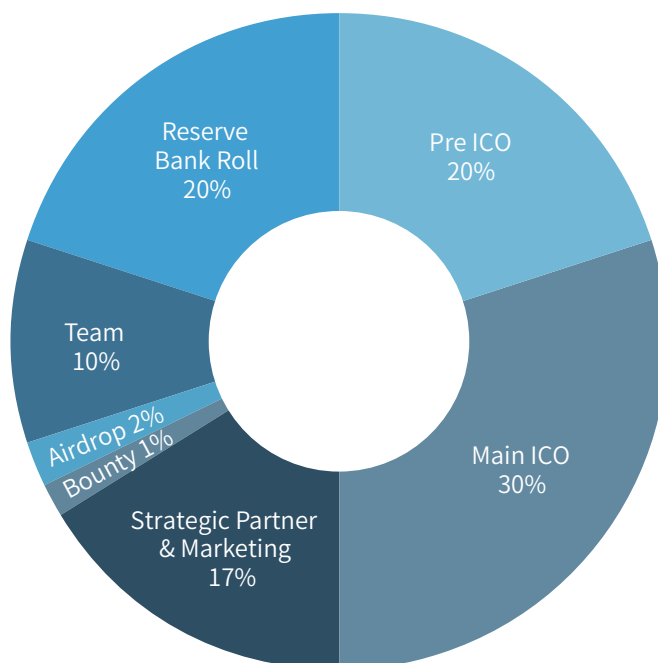
A. Structure of Tombola

The basic structure was set up aiming at maintaining and raising the value of Tombola through active circulation of Tombola Tokens.

| Item | Content |
|-----------------------|-----------------|
| Name | Tombola |
| Symbol | TBL |
| Platform | ETH |
| Total issuance volume | 500,000,000 TBL |

←Tombola token overview→

←TOKEN SALE Distribution Plan→



←Detail Distribution of Tombola→

| Category | Quantity (TBL) |
|-------------------------------|----------------|
| Pre ICO | 100,000,000 |
| Main ICO | 150,000,000 |
| Stretegic Partner & Marketing | 85,000,000 |
| Reserve Bank Roll | 100,000,000 |
| Team | 50,000,000 |
| Airdrop | 10,000,000 |
| Bounty | 5,000,000 |
| SUM | 500,000,000 |

B. Private Sale

The Tombola private sale is carried out throughout the ICO and minimum participation is possible from 50 ETH. The method of participation is contact@tombola.io by mail, specifying the participants' intention to participate in the private sale and the size of the sales, to receive specific methods of participation and information about the Bonus.

C. Pre-Sale

The pre-SALE of Tombola is divided into a private round for high-end buyers and a public round for general buyers; the minimum purchase price for Private SALE is Ethereum 10 ETH, and Public SALE sets the minimum purchase amount to 0.1 ETH. The sales amount of TBL is 1 ETH = 10000 TBL, and the benefits of Pre-SALE are as follows.

| Item | Schedule | Bonus |
|-------------------------------|------------------|--------------------|
| Public SALE | 2018.07.01~07.31 | Refer to the table |
| Pre-SALE maximum sales volume | 100,000,000 TBL | |

←Private SALE Overview→

| | | | | | | |
|--------|-------|-------|--------|--------|--------|--------|
| Amount | →5ETH | 5ETH← | 10ETH← | 20ETH← | 30ETH← | 50ETH← |
| Reward | 15% | 18% | 20% | 22% | 25% | 30% |

←Private SALE Reward Table→

D. Main SALE

The Main SALE of Tombola goes through one round of public phase. In the case of Main SALE, it is available in both Ethereum. The minimum amount of Ethereum available is 0.1 ETH. As with Pre SALE, the sales price of TBL was set at 1 ETH = 10000 TBL.

| Item | Schedule | Bonus |
|--------------------------------|------------------|--------------------|
| MainSALE | 2018.08.01~08.31 | Refer to the table |
| Main SALE maximum sales volume | | 150,000,000 TBL |

←Main Sale Basic Overview→

| Amount | →3ETH | 3ETH← | 5ETH← | 10ETH← | 20ETH← | 30ETH← |
|--------|-------|-------|-------|--------|--------|--------|
| Reward | 8% | 10% | 13% | 15% | 17% | 20% |

←Main Sale Reward Table→

All TBLs purchased through Tombola's Pre-SALE and Main SALE will be paid in a lump sum after the completion of the KYC process at the end of the Main SALE.

E. Policies and precautions

All investors participating in Tombola SALE should be fully aware of the following before deciding on their investment.

E-1. Risk of investments

This white paper is a simple description of the vision, business plans, and execution plans of Tombola business. This is not a guarantee for the business, and the actual business direction may vary depending on the situations and environment.

E-2. The nature of Tombola

Tombola is not a security. An owner who owns Tombola's shall not be entitled to any kind of voting rights or may not claim any dividends other than the profits set forth in the white paper.

E-3. Cancellation and refund

The buyer who has decided to participate in the SALE cannot claim a cancellation or refund of the TBL because he or she has recognized all such policies and precautions before his or her decisions on his or her own.

6. RoadMap

A. Road map

Tombola can see the timing and plans that will be applied to the listing on the exchanges and the launch of the Lotto platform and other gaming platforms through the following plans.



B. Air Drop & Bounty Program

B-1. Air Drop

Performing Tombola Air Drop. It will go ahead during the ICO period and will Air Drop 10,000,000 TBL, which is 2 % of its total issuance. Use the Telegram <https://t.me/TOMBOLAAirDropBot> link for participation. Follow the instructions in order. All participation must be maintained to the end of ICO for all air drops. You can get 100TBL for air drop and 50TBL for inviting friends.

- 1)** Join the Tombola Official Telegram
- 2)** Join the Tombola Official Telegram Channel (ANN)
- 3)** Tap like on the tombola Facebook page
- 4)** Follow the official Tombola Twitter
- 5)** Join the Tombola.game

B-2. Bounty Program

Tombola will launched the Bounty Program. 5,000,000 TBL, 1 % of the total volume has been allocated Bounty quantity and a detailed method of participation will be communicated through Tombola's official media.

7. Team



PETER JUNG
CEO



CARL KIM
COO



JEANS TANG
CMO



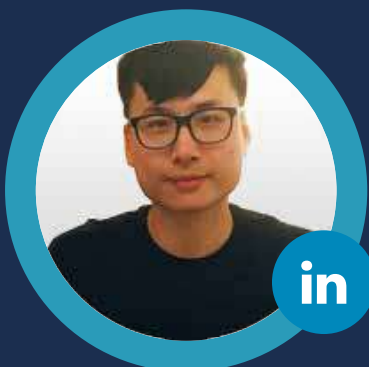
ALEX WU
Blockchain Developer



CARSON YAN
Blockchain Developer



NG CHUNG YIN FRANCO
Blockchain Developer



BARON CHOW
Software Engineer



AIDEN CHAN
Software Engineer



KWAN CHEONG CHOW
Analyst Developer

8. Advisors & Investors



TONY TONG
Advisor



VLADIMIR NIKITIN
Advisor



SHEN DAHAI
Investor



SEAN CHOI
Investor



NIKOLAY SHKILEV
Advisor



PHILLIP NUNN
Advisor



JASON TSO
Investor



ZHANG YI YUN
Investor

9. Partners



MADISON GROUP



HKBA



BD FUND



CHANGELLY



MOLECULAR GROUP



JD.VC



COINX



PAYBLE



ATOM CAPITAL



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