TimeBox

WHITE PAPER

JANUARY 2018

VERSION 2.11

THE FIRST DECENTRALIZED CUSTODY SERVICE
OF DIGITAL ASSETS IN HISTORY

DISCLAIMER OF CONSENT & RISK

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In making this contract, Keyman Technology Limited is acting as agent for web-site visitors, Keyman Technology Limited token buyers, employees, agents, and any other person involved in the purchase of Keyman Technology Limited's tokens, collectively referred to below as "Keyman Technology Limited".

Agreeing to this document is the price I am paying:
Agreeing to this document is the price I am paying for being allowed to engage with Keyman Technology Limited Web site and Keyman Technology Limited tokens. I accept that but for entering into this agreement, I would not be permitted to engage with Keyman Technology Limited Web site or Keyman Technology Limited tokens.

I want to do this, please allow me to purchase Keyman Technology Limited tokens:
It is my wish to receive Keyman Technology Limited tokens.

There is no insurance coverage and no warranty:
My purchasing activities are not covered by any personal or general liability insurance covering Keyman Technology Limited. I accept that there is no warranty for any losses on purchasing Keyman Technology Limited tokens. I accept the purchase of Keyman Technology Limited tokens "as is".

This can be financially or legally dangerous, and I assume the risk:
I know that the purchase of Keyman Technology Limited tokens can bring significant financial losses or legal liabilities in certain jurisdictions. I accept all risks of my participation in Keyman Technology Limited token purchase, foreseeable or unforeseeable, known and unknown, however caused, even if caused in whole or in part by the action, inaction, or negligence of Keyman Technology Limited. I accept that no amount of care, caution, instruction, or expertise can eliminate all of the risks.

I release you from liability:
I exempt, release, and indemnify Keyman Technology Limited from any and all liability, claims, demands, or causes of action arising from any actions in connection with use **timebox.network** Web site or purchase of Keyman Technology Limited tokens. I agree that no damages, compensation, or other award will be payable to me or my estate by Keyman Technology Limited in respect of any loss or damage.

Covenant not to sue:
If I suffer loss of any sort, I agree not to sue or start any other type of legal action against Keyman Technology Limited. This covenant not to sue binds my estate, heirs, survivors, assigns, executors, administrators, and legal representatives. I agree that Keyman Technology Limited is entitled to an award of legal fees and costs incurred in any defence of a suit or action, including appeals, and that Keyman Technology Limited is entitled to full security for those legal fees and costs in advance. I assume full and sole financial responsibility for any damages I may suffer while participating in Keyman Technology Limited token purchase.

Indemnity against third party claims:
I indemnify and hold harmless Keyman Technology Limited from any damages or losses caused to third parties resulting from my Keyman Technology Limited token purchase.

Keep this on file:
I agree that this document will remain in full force and effect so long as I continue to engage in Keyman Technology Limited token purchase or trading with Keyman Technology Limited or any related entity. This contract remains in force indefinitely unless revoked in writing.

I am not under a physical, mental, or legal disability:
My judgment is not impaired by alcohol, drugs, mental illness, fatigue, or otherwise. I am of sound mind. I am at least 18 years of age and otherwise legally competent OR THAT I am signing this as legal guardian of the participant, both on my own and their behalf.

This document is evidence in court:
My agreement with this document, evidenced by my continuous use of the Keyman Technology Limited Web site and / or purchase of Keyman Technology Limited tokens, constitutes an irrevocable admission of the facts stated herein. This document is my own statement. I have made no statements to Keyman Technology Limited that conflict with this statement, and Keyman Technology Limited has said nothing conflicting with this statement to me.

Jurisdiction:
This agreement is intended to be as broad and inclusive as permitted by the laws of the province in which it was signed, and that if any portion hereof is invalid, it is agreed that the balance shall continue to be of full legal force and effect. I specifically waive the protection of any law or legal principle that would limit the effect of this waiver. Any legal issue arising shall be dealt with in the local judicial district in which Keyman Technology Limited has its head office.

TIMEBOX
Summary

Digital asset custody service

TimeBox operation and promotion

TimeBox Charity foundation

TIMEBOX:

THE FIRST DECENTRALIZED CUSTODY SERVICE OF DIGITAL ASSETS

How do we keep valuable digital assets, such as family photos, letters from beloved ones, final wills and even cryptocurrency, in a secure way? In which, we want those precious digital assets to be stored forever and delivery guaranteed to oneself or someone important?

Cloud service, a centralized storage way, also known for many security issues. Celebrity photos hacked, important data missing for no reasons, neither one is a news for us, because a centralized storage system is never a safe and everlasting solution.

You may imagine TimeBox as a time capsule, using decentralized storage technology with smart contract on it. Blockchain can keep our digital assets forever on the internet, as long as the internet exist. A smart contract guarantees the stored precious assets be delivered on time whenever it is.

TimeBox leverage blockchain technology with guaranteed delivery service, is the key solution to the needs or pains for everyone. Your best choice for valuable digital assets, TimeBox!

TimeBox
timebox.network

CONTENTS

TimeBox

timebox.network

CHAPTER 1
Business Scope

1-1. BACKGROUND

1-1.1. WHY MAKE TIMEBOX

Jack's mother was diagnosed with cancer through an examination one day 15 years ago. Jack and his family arranged hospital admission for their mother to receive treatment immediately in accordance with medical advice. The treatment process in hospital went smoothly, Jack's mother recovered gradually, which made the intense moods of the whole family slightly relaxed. That very night when the doctor announced that Jack's mother could return home from hospital for recovery, she passed away suddenly in her sleep without a single word...

What if Jack's mother kept her last will, bank accounts password and even digital assets, organized into an on-line private box. Send out to someone someday when it meets certain conditions?

There has been nothing perfect since the olden days, and nothing is as certain as the unexpected. Nothing is impossible in the world. Nevertheless, what people are most afraid of is the occurrence of one in ten thousand, of which words are too late to say or things are too late to be left undone.

After sadness, if there is an extremely simple, effective and affordable tool platform for everyone, that could let everyone store the right words, the precious images, sounds or documents, and that relatives and friends would receive them at the right moment, then how many possible regrets will be avoided?

This kind of story happens around you and me, one story of regret after another. It was the idea of the founder to create a platform to make these kinds of regrets less and less, and this tool platform, we call it "TimeBox"!

1-1.2. BLOCKCHAIN MAKES TIMEBOX COME TRUE

This finally has the possibility of being realized nowadays with the invention of block chain technology!

Vision

Make everyone transfer and store precious memory and crypto assets with safe and sustainable way!

Mission

Provide online custody service that is simple, powerful and convenient for everyone.

1-2. NEEDS OR PAINS OF PEOPLE

1-2.1. CRYPTOCURRENCY OWNER

Scenarios:

I bought a number of Ethereum a few years ago, did not expect the value has more than 100 times the original. But now I'm worried because only I know how to get these virtual currencies back, if I forget my password someday, or in the unlikely event of an accident, my family will never be able to use these cryptocurrencies.

Potential customer group:

Every crypto investor.

1-2.2. ELDERS / CANCER PATIENTS

Scenarios:
I am a terminal cancer patient, I can let my baby listen to the words “Happy Birthday” said by me in person to him in the process of growing up every year with the Timebox.

Potential customer group:
Severe patients. Everyone actually has to face death.

1-2.3. BUSINESSMEN AND WORKERS IN DANGEROUS ENVIRONMENTS

Scenarios:
I am a business Traveler who brings the dreams into reality for the families and goes on numerous business trips per year, and although flights are extremely safe nowadays, nothing is as certain as the unexpected. I’ve left the message for you in the Timebox, in case of…. My bank card password is…….

Potential customer group:
Businessman, tens of millions of people per year.

1-2.4. PARENTS

Scenarios:
These are the videos and photos of the baby who just learned to call for her Mother, these precious photos should be stored in the Timebox in fear of being lost or damaged.

Potential customer group: Everyone.

1-2.5. STUDENTS

Scenarios:

In the year of graduation, we made an appointment to store our future dreams in the Timebox and to open it together 20 years later.

Potential customer group:

All students, hundreds of millions of graduates in each year.

1-2.6 EVERYONE NEEDS IT!

1-3. SOLUTIONS

1-3.1. DESIGN CONCEPT

01. Permanent storage

With the changing times, storage will continue to change; we want to provide sustainable storage with blockchain technology.

02. Invisible identification

Personal data and privacy has always been the subject of the Internet, and TimeBox will challenge security and privacy identification.

03. High security

Using the technical characteristics of the blockchain, decentralization, it will make the hackers inside and outside difficult to attack.

04. Convenient and beneficial trust

Store text, audio, photos, video and of course your digital assets like cryptocurrency into the TimeBox. TimeBox will be implemented based on blockchain smart contract. The deposited content will be based on contract and means of delivery; transmit to specified person at the appointed time. Of course, you can assign yourself or others to realize the concept of trust.

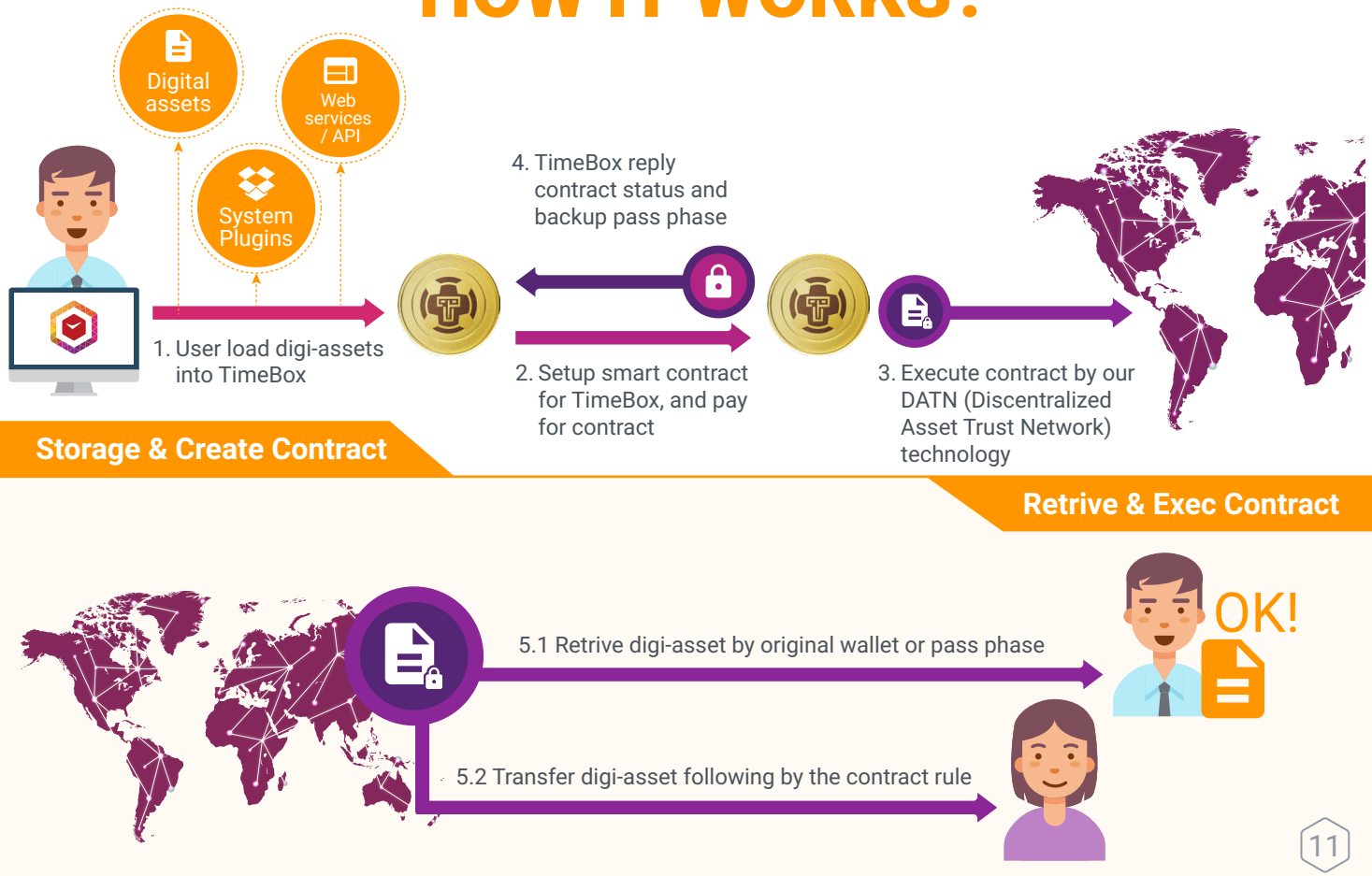
1-3.2. STORE ANY DIGITIZED DATA AND UNLIMITED STORAGE SPACE

We will provide the exclusive virtual TimeBox for each registered, user who can receive a TimeBox once he has registered on the TimeBox platform. The contents of TimeBox can be cryptocurrency, text, audio, photos or video. The method of storing the information will adopt the smart contract of blockchain and match a large amount of computer with the Internet as the storage object in random or scramble mode.

1-3.3. CONVENIENT ACCESS A AND RELIABLE WAY FOR DATA ENCRYPTION.

Step 1: User load digital-assets into TimeBox
Step 2: Setup smart contract for TimeBox, and pay for contract
Step 3: Execute contract by our DATN (Decentralized Asset Trust Network) technology
Step 4: TimeBox reply contract status and backup pass phase
Step 5: 01. Retrieve Digi-assets by original wallet or pass phase
02. Transfer Digi-assets following by the contract ruleUser completed these five steps, can store the content, stores it properly, and completes the transfer according to the appointed time

HOW IT WORKS?



1-4. WHY DO WE NEED TO CONVERT MEMORY ASSETS INTO BLOCKCHAIN ?

Blockchain has the characteristics of decentralization, non-repudiation and non-tampering, Security of storage medium is higher than traditional centralized financial institutions. It is the best storage and transfer tool for posthumous paper, digital assets, private data and personal precious data. The participants in these systems form a decentralized, non-central management or trusted party network that provides useful payment services. This is a decentralized application of a wide range of Internet open services. It can completely solve the weakness of traditional digital asset trusteeship service.

Decentralization is the form of social relation and content formation in the process of Internet development. It is a new network content production process relative to "Centralization". Compared with the early Internet era, today's web content is no longer produced by professional websites or particular groups, but instead it is the result of co-creation by all Netizens and equal rights. Anyone can express his or her opinions on the Internet or create original content and produce information together.

With the diversification of network services, the decentralized network model is becoming more clear and possible. Any participant can submit content, and the Internet users collaborate to create or contribute to the content. It makes it easier and more diversified to produce or contribute to the Internet, So as to enhance the contribution of Internet users to participate in the initiative, reduce the production of content threshold. Eventually, each Internet user has become a small and independent information provider, making the Internet more flat and more diversified for content production.

CHAPTER 2
TimeBox Project

2-1. ICO SUMMARY

2-1.1. ICO STAGE

Presale target: 3,000 ETH
ICO target: 25,000 ETH

ICO to raise TimeBox start funding. TimeBox listed on the ICO public exchange to raise the support of registered users and investors and to put into the development and promotion of TimeBox ICO.

ICO Crowdsale Model

*TimeBox Coin = TB Coin

Stage	Period	TB Coin Price / 1ETH	Purchase Level	Soft Cap	Hard Cap
ICO Presales		1,200 TB Coin + 50% Bonus	Min: 100 ETH	1,000 ETH or 1M USD (Either one)	42,000 ETH or 20M USD (Either one)
		1,200 TB Coin + 40% Bonus	Min: 20 ETH		
		1,200 TB Coin + 35% Bonus	Min: 2 ETH		
ICO Early Bird	Day 1 ~ Day 3	1,200 TB Coin + 25% Bonus	Min: 0.2 ETH	4,000 ETH or 4M USD (Either one)	
ICO Crowdsale	Day 4~ Day 9	1,200 TB Coin + 20% Bonus			
	Day 10~Day 15	1,200 TB Coin + 15% Bonus			
	Day 16~Day 21	1,200 TB Coin + 10% Bonus			
	Day 22~Day 27	1,200 TB Coin + 5% Bonus			
	Day 28~	1,200 TB Coin			

Naming:
The coin adopted in the TimeBox platform is called a TimeBox Coin, or TB Coin for short.

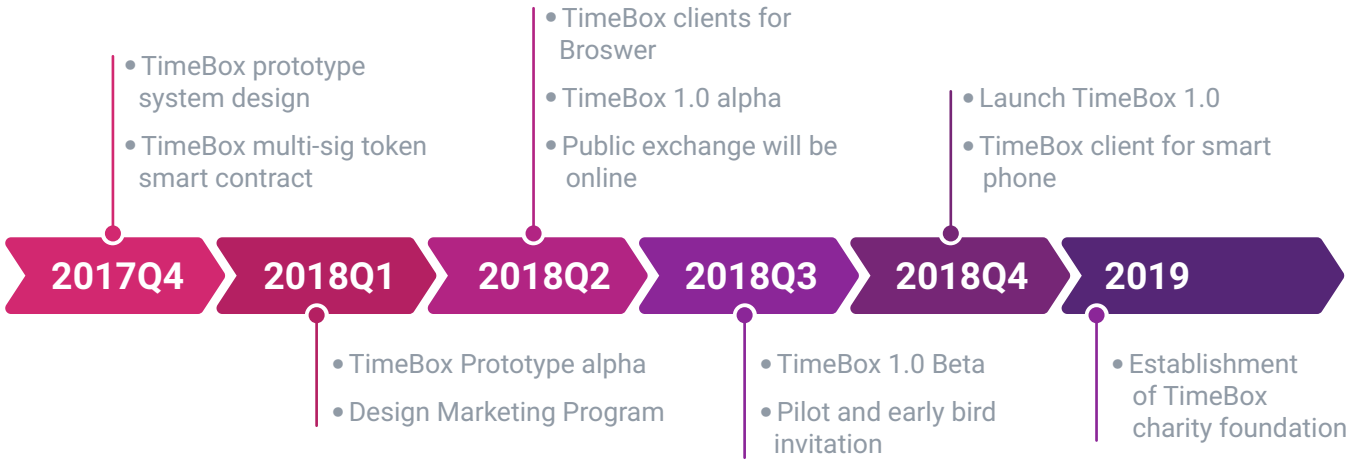
Essence:
As a virtual commodity (just like the game points or game gold chains), TB Coin does not belong to investment products, the value of it is determined completely by the market rules and the demands of enabling the

application. In the meantime, the coin liquidity in various digital asset exchanges together with the degree of concern is different, so there will be some certain liquidity risk. In addition to that TB Coin is actually regarded as the virtual payment currency in the TimeBox platform, we do not guarantee for any other application.

2-1.2. PLATFORM DEVELOPMENT PROJECTS

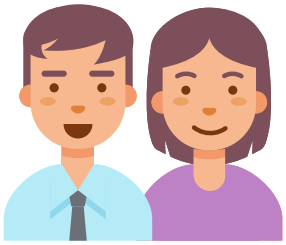
- Develop distributed database for storing the information based on the blockchain technology.
- Develop one set of virtual currency system.
- Develop one set of coding program that blocks information and media files into blockchain.
- Develop PC client-side, MAC client-side, smart phone client-side App.
- Develop a smart contract system based on blockchain technology that is used to solve:
  1. The incentive program of TB Coin for miners.
  2. To encourage more people to participate in network storage nodes.

Road Map



2-1.3 OPERATION PHASE TIMEBOX ROLE AND RESPONSIBILITY

TimeBox / User / Miner



MINER ROLE

1. Take TimeBox tasks for storing user contents.
2. Storing user content.
3. Free access in TB Coin mining area.

OPERATION PHASE TIMEBOX ROLE AND RESPONSIBILITY

1. Promote TimeBox service and application and cooperation of TB Coin
2. Promote online digital assets trust service
3. Ensure that users stored content safely and accomplish the entrusted and transferred tasks.
4. Set up charity foundation of TimeBox to provide free TimeBox service for the vulnerable groups.

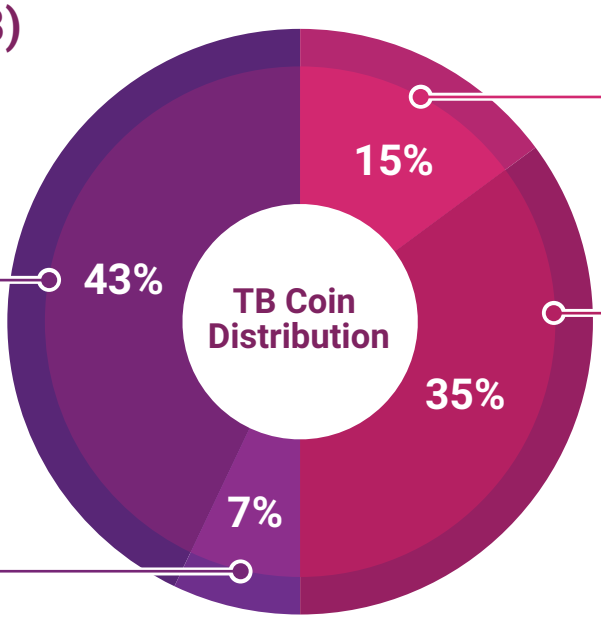
USER ROLE

1. Making content.
2. Delegate TimeBox to store content.
3. Pay money or equivalent TB Coin.

2-2. THE DISTRIBUTION AND USAGE OF TB COIN

2-2.1. TB COIN TOTAL AND DISTRIBUTION DIAGRAM

TimeBox (TB) Coin Model



30,000,000 reserved for TimeBox charity foundaton, planned to setup at 2019

86,000,000
TB Coin for ICO

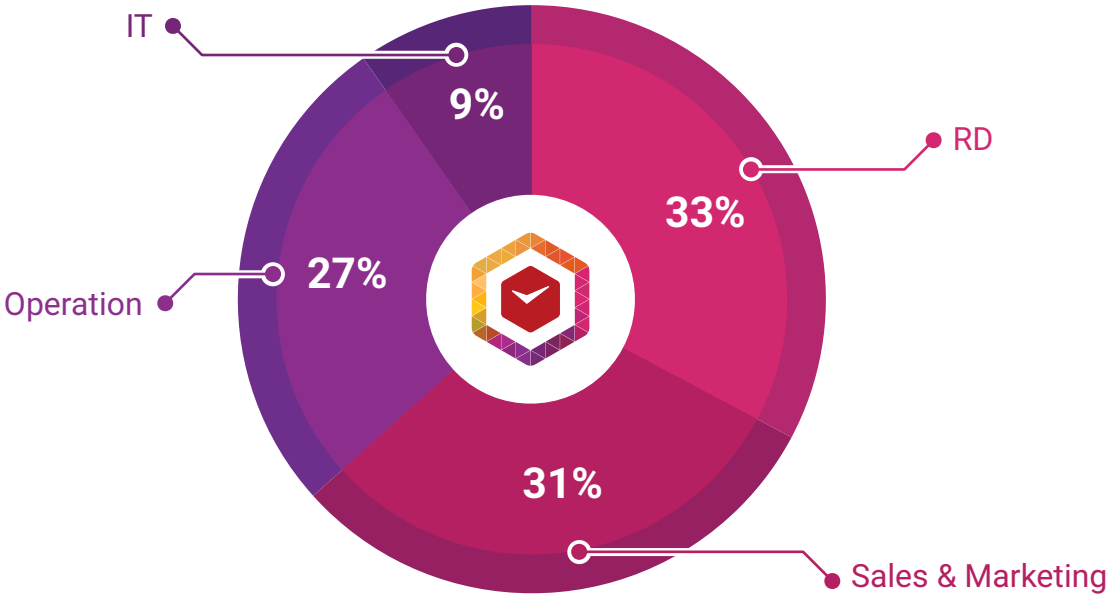
70,000,000 reserved for partner, bounty program and team

(11M reserved for TimeBox marketing
9M for Bounty program in ICO
50M for Core team and employee incentive)

14,000,000
TB Coin for Pre-ICO

2-2.2. THE USAGE AND MANAGEMENT OF TB COIN

The Portfolio of Capital Usage



TIMEBOX MANAGEMENT

Miner: Miner holding TB Coin will be kept by itself and traded on the open exchange.

TimeBox users: TB Coin can be used to pay the cost, (TB Coin and local fiat currency have immediate rates for reference)

Early stage TB Coin owners: Non-management team and partners are free to exchange transactions.

Management team and partners: abide by specs of lock-up period unless the other agree ment, TB Coin currency is not subject to this limit.

2-3. PROTOCOL AND INTRODUCTION

TimeBox Coin (Abbreviation TB Coin or TimeBox Coin) is a general virtual coin for Memory Blockchain Asset Trust Bank. TimeBox users need to pay TimeBox Coin to get service, and miners who support the fragmentation of TimeBox can receive a specific amount of TimeBox Coin as a reward. TimeBox Coin is a decentralized storage network that turns cloud storage into an algorithmic market. The market runs on a blockchain with a native protocol coin (also called “TB Coin”) which miners earn by providing storage to clients. Conversely, clients spend TB Coin hiring miners to store or distribute data. As with Bitcoin, TB Coin miners compete to mine blocks with sizable rewards, but TB Coin mining power is proportional to active storage, which directly provides a useful service to clients. This creates a powerful incentive for miners to amass as much storage as they can, and rent it out to clients. The protocol weaves these amassed resources into a self-healing storage network that anybody in the world can rely on. The network achieves robustness by replicating and dispersing content, while automatically detecting and repairing replica failures. Clients can select replication parameters to protect against different threat models. The protocol’s cloud storage network also provides security, as content is encrypted end-to-end at the client, while storage providers do not have access to decryption keys. TB Coin works serve as a storage infrastructure for memory assets. It is especially useful for decentralizing data, building and running distributed applications, and implementing smart contracts.

TimeBox Coin is a work in progress. Active research is under way, and new versions of this paper will appear at timebox.network for comments and suggestions, contact us at timebox.network

2-4. TIMEBOX COIN ECONOMY MODEL

1. All participants of TimeBox who deposit more than 1,000 TB Coin at TimeBox Platform will get free usage. The deposit must be over 1,000 TB coin and will be checked by daily basis. 1,000 TB coin must locked up, EX. lockup 3 months and free use TimeBox service for 3 months, minimum lockup period is 3 months and lifetime for maximum.

2. All participants of TimeBox will need to pay a usage fee in TB Coin, and a small percentage TB Coin will be burned, over the course of time this could potentially increase demand for the remaining TB Coin.
   - Estimate 15% of paid TB Coin are pay for gas/miner needed to create and deploy the user's contract;
   - Estimate 35% of paid TB Coin will used as the long term smart contract operation and decentralized file storage.
   - Estimate 50% are used by the platform for maintenance and development, including marketing and can be spent at any time;

3. All participants of TimeBox can also pay the usage fee in fiat (USD), the payment in the fiat is exchanged for TB Coin, small percentage TB Coin will be burned and other allocation as below:
   - Estimate 13.5% will paid by TB Coin for gas/miner needed to create and deploy the user's contract;
   - Estimate 31.5% will paid by TB Coin as the long term smart contract operation and decentralized file storage.
   - Estimate 55% are used by the platform for maintenance and development, including marketing and can be spent at any time;

4. The total amount of TB Coin burned in each transaction is directly proportional to the decreasing supply. It will also depend on the exchange rate(s) set by the network, which will oversee the available supply, market conditions and inform the smart contract of exchange rates at each particular moment of payment.

5. The increase in token rate is expected by the TB Coin consumption and the TB Coin deposit, which is necessary to have a contract in the system. As a result, the number of TB Coin in the market will gradually decrease. In addition, as the number of system users increases, it will help to increase the TB Coin rate.

CHAPTER 3

Smart Contract and Operations

3-1. SMART CONTRACT

Much of what we heard about blockchain is related to encrypted currencies, but there are more blockchain and apps can help businesses operate transaction. Blockchain can benefit business development and now the easiest thing to use is the application of the smart contract.

WHAT IS SMART CONTRACT?

Basically, the Smart Contract is a contract of performance. Perform your duties according to the terms of you setting. The Smart Contract uses the program code to set the terms of the agreement, and then allows it to perform its performance. For example, if you want to agree that payment will be sent immediately after some action is completed, this is a basic application.

The syntax of the IF-THEN ensures that the contract is pushed forward and the match condition order is executed. Smart contracts provide an automated way to operate blockchain business, and its settings are very similar to the way bitcoin transactions occur. In addition, the Smart Contract is easy to manage and monitor because of its operation on the public chain. Due to record and program code setting, the basic management of the contract can be carried out.

Memory blockchain can use Smart Contract, and you can see the effect immediately. How can memory blockchain be useful in the field of Smart Contract? It needs to write the terms of the agreement, and then make sure that all parties are able to execute it. In order to do this, the so-called distributed ledger system is needed. With the help of distributed ledger.

3-1.1. BLOCKCHAIN BUSINESS

Blockchain business is growing, and more mainstream companies are signing contract, but this does not mean that the blockchain operation can let everyone do their business. Therefore, the Smart Contract provides a great complement to the traditional contract. Because of the public ledger aspects of blockchain business, users can publicly review different versions of contracts. Another advantage of the system is that users don't have to worry about one of them accidentally changing the contract. Because this is in public, implementation changes are not what a single party can do. A Smart Contract can add a protocol to an automated third party to ensure that everything is done properly and according to the terms set. In addition, some countries recognize the legality of Smart Contract, so the legitimacy of electronic signatures and commercial electronic records has been gradually recognized by law. This is a trend that can be observed for a long time to come.

3-1.2. AUTOMATIC DELIVERY OF SMART CONTRACT

One of the great advantages of Smart Contract is the aspect of automatic delivery execution. You don't need to continue to check and keep the list of transactions. Instead, you can set up your Smart Contract to automate processing. If you have an intellectual property right to reach an agreement, you can set your own use fee, automatically pay the use fee, and in each use in a proper proportion of distribution.

People can write a Smart Contract to automatically send payment and place it in all applicable accounts without having to restart and be able to complete all operations.

3-2. TIMEBOX OPERATION

3-2.1. THE TIMEBOX OPERATION IN DISTRIBUTED DATA STORAGE

Blockchain is the computer of distributed data storage, peer to peer transmission, consensus mechanism, and encryption algorithm. The block chain is a distributed ledger, and the decentralized protocol between the nodes of the blockchain maintains the basis of operation, because of the rise of distributed data storage. Construction or operation of data centers in the future will make capital spending less and less, thereby reducing storage costs. Through decentralization, Memory blockchain enjoy the basic concept of self-creation.

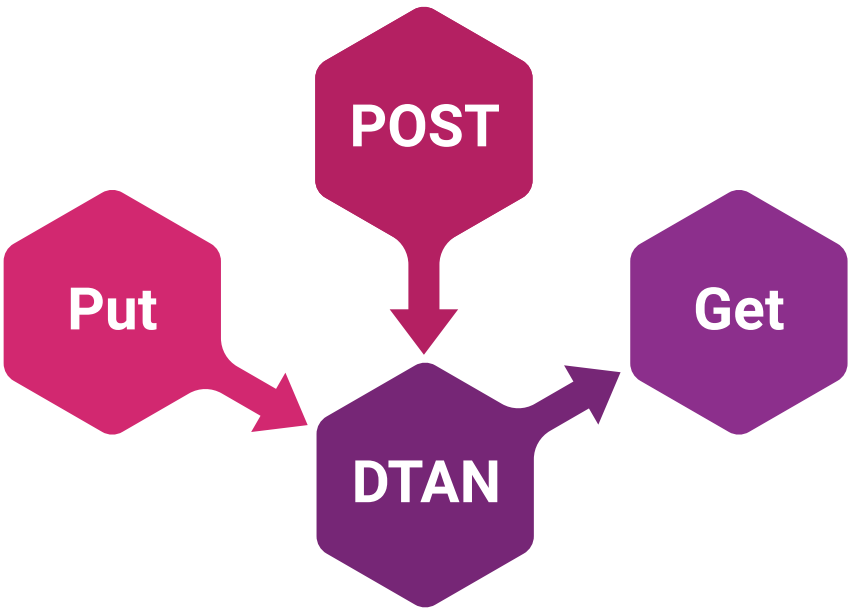
Apps	Broadcast	User	Smart Contract Logic Code
DTAN (Decentralized Asset Trust Network)			
TimeBox Coin			
ethereum architecture			

TimeBox Project

After such a decentralized operation, the entire network will become a network where no one can make a single effort to make changes. Therefore, memory blockchain has the advantage of decentralization and data cannot be tampered with. DATN (Decentralized Asset Trust Network): Decentralization, meanwhile, is pushing the power to execute contracts and manage assets to the edges of the network, creating a proliferation of new access points. DATN allows you to store in a blockchain on your equipment.

3-2.2. TIMEBOX STORAGE PROTOCOL

TimeBox protocol that allows arbitrarily complex financial transactions to be encoded by anyone and executed in a provably accurate manner by a distributed network
TimeBox provide a plan for network of independent storage providers to offer storage and retrieval services. Later, we present the TimeBox protocol as an auditable and verifiable DATN construction. TimeBox memory assets provide storage infrastructure from memory device. TimeBox storage protocol construct a useful Proof-of-Work based on the storage provider stored data. The Clients send to store data and to retrieve data in the DATN, via Put and Get requests.



TimeBox storage infrastructure

Any user can participate in TimeBox network as a Client, a Storage Miner, and/or a Retrieval Miner. Clients pay to store data and to retrieve data in the DATN, via Put and Get requests. Smart Contracts for managing memory blockchain have been applied by many technology companies. The platform of these ledger companies can easily create and execute contracts without the development of deep professional knowledge of blockchain coding. When use a Smart Contract for blockchain, you will know that these terms will be implemented. This is a way to publicly monitor protocols, and make sure everything goes according to plan.

3-3. OPEN SOURCE

The interpretation of "Community" is an organization and group for work, life, or common goals. A free software community wants to grow, and many like-minded people are required to participate.
The global village has become a large community since the advent of the Internet era, as a part of the earth, we want to uphold this spirit and pass on benevolent of TimeBox. Open source will be the ultimate goal we hope to achieve, this goal will be achieved with the development of TimeBox, and when that day comes, people uphold the same kindness and wish to contribute for global village, will continue to relay and make better development of TimeBox. Then TimeBox will retain permanently for all eternity.

CHAPTER 4

Our Team

CO-FOUNDERS

linkedin.com/in/jason-hung-471714

Jason Hung

EXPERIENCE

- ICOBench Top expert
- SuchApp, Giza, W2TW, BitRewards, BlockLancer, AIDA, EZPOS ICO advisor
- TokenSky Advisor
- China Animation Media Production Ltd. CTO
- Innovation & media center of ISoftStone AVP
- Chidopi Co, Ltd. co-founder and CEO
- SYSTEX Corporation Software R & D Center SAVP
- Ernst & Young Management Consultant Supervisor
- Oracle /PeopleSoft Greater China Project Consulting
- Director
- Technological expertise: AR/VR, game platform, mobile Internet, App research and development,
- Cloud Application Platform Design
- **4 years:** experience in industry chain construction in Animation home entertainment media.
- **4 years:** experience in product development and software development management.
- **10 years:** experience in consultant management of enterprise management system.
- **3 years:** experience in Management of R & D team in e-commerce system.

- The promoter of organizational change and Reform of Oracle and iSoftStone and other multinational companies.
- 71 App R & D and published experience, more than 11 App rushed to the top 10 AppStore.
- 2 times innovation invention award, 1 new venture awards and 9 patents for scientific and technological inventions.
- 2 times PeopleSoft global outstanding business executives' award, 1outstanding employees' award.

EDUCATION

Bachelor of Environmental Engineering
National Cheng Kung University

Master of environmental engineering
National Chiao Tung University

Ph.D., Engineering
National Chiao Tung University

Research topic:
Pollution simulation, 3D data visualization, distributed computing, artificial intelligence and multi-objective optimization.

linkedin.com/in/al-ex-chang-533a6125

Alex Chang

EXPERIENCE

- Gravity Wave (Beijing) Managing Director
- Gravity Wave Hong Kong Co-founder and CEO
- General Manager of FENCIT(Beijing) (Far Eastern Group)
- SONY Network Entertainment Taiwan CEO
- IBM IGS System Service Rep.
- Citibank B.A.
- ICOBench Expert
- Familiar with the Internet, the game industry and telecommunications industry, so far nearly 20 years.
- Rich experience in business development, project development and higher level management.
- Working experience in multinational companies (Citibank, IBM, Sony).

EDUCATION

Master of EMBA

National Chung Hsing University

National Chung Hsing University

Yuan Ze University

JC
Lin

linkedin.com/in/lin-jc-84a34614b/

EXPERIENCE

- Zagama Cloud Service CEO
- Game Heaven CTO
- HTC VR and Mobile Phone Company project manager
- Ernst&Young Senior Consultant

PROJECT EXPERIENCE

- Project leader of Accounting and tax, sales and distribution, procurement and materials and business processes, etc., ERP, BPM, BPR
- Enterprise information management and strategy planning
- Development and leadership in Online O2O sales platform and cloud APP
- Decision making in Artificial intelligence and big data analysis
- Organization planning and info construction of AR/VR new ventures

EDUCATION

Institute of Business Administration (Master degree)

National Cheng Kung University

Book: Classics Microsoft System practice _ Application examples of knowledge management and information exchange platform

TECH TEAM

linkedin.com/in/俊嘉-蘇-88a2aa143/

Su Chun Chia

AWARDS

- Bronze Award ICPC Taiwan regional contest

PROJECT EXPERIENCE

- PM & Smart Contract engineer of First Financial Bank Blockchain experimental platform.
- Developing "Blockchain charitable fund-raising platform"
- Participate in the project of "constructing environmental safety protection cloud and strengthening monitoring mechanism of agricultural production"
- Participate in the project of “Futures Exchange” Blockchain POC case.

EDUCATION

Computer Science and Information Engineering

National Taiwan Normal University

SKILLS

C++ , python , Blockchain technology, Solidity (Smart Contract)

TECH TEAM

linkedin.com/in/
hsien-an-wu-1986bb152/

Wu Hsien An

EXPERIENCE

- Keymen Technology Ltd. Soft engineers
- Blockchain system architecture designer

PROJECT EXPERIENCE

- First Financial Bank BlockChain POC
- Agriculture Commission BlockChain POC
- TimeBox Website and Landing Development

EDUCATION

Bachelor of Computer Science and Information Engineering
National Taiwan University

SKILLS

C/C++, Python, Solidity, HTML5, CSS3

TECH TEAM

linkedin.com/in/
kai-wei-hsu-161b0496/

Kai

EXPERIENCE

- Keymen Technology Ltd. Graphic Designer
- Zagama Inc 3D Artist.

PROJECT EXPERIENCE

- Design of 3D model for Zagama AR children's books
- 3D character design of Mobile game Jump City Saga
- 3D character design of Mobile game zombie attack
- 3D animation design of AR project in zhongyou international education

EDUCATION

Bachelor of Fine Arts

Washington State University

SKILLS

C#, 3ds max, Unity, Aftereffect, Premiere Pro.

ADVISOR

linkedin.com/in/nikolayzvezdin/

Nikolay Zvezdin

FINANCE & LEGAL ADVISOR

EXPERIENCE

- Chief Investment Officer at Envinary Group
- Chief Investment Officer at Enlight Visionary
- Chief Financial Officer at Digital Education Technology
- Chief Financial Officer at Gao Zhi Yuan
- Advisory Board Member at Giza Device
- Advisory Board Member at ICONIC Ecosystem
- Advisory Board Member at Datarius Cryptobank
- Advisory Board Member at AIDA Service
- ICObench Evaluation Expert, Experts Review Admin
- Crypto Valley Member
- Investment Analyst at Bravia Capital
- Assurance and Advisory at Grant Thornton

EDUCATION

Bachelor of Banking and Finance

Ozyegin University

Applied Mathematics and Computer Science

Lomonosov Moscow State University

Advisors are listed by join date.

ADVISOR

linkedin.com/in/allenlin1976/

Allen Lin

CLOUD & SEO ADVISOR

EXPERIENCE

- Managing Director at Cloudmax Inc
- Managing Director at WIS Internet Inc
- COO at WIS Internet Inc

EDUCATION

MSC, Marketing

Napier University

Bachelor of information management

Bachelor of information management

Advisors are listed by join date.

ADVISOR

linkedin.com/in/howard-yeh-654126107/

Howard Yeh

PATENT ADVISOR

EXPERIENCE

- General Manager at Richie Company
- Team Elite at NU SKIN Greater China.
- Senior Patent Specialist at TSMC
- Patent Specialist at Lee, Tsai & Partners
- Patent Engineer at Lee and Li Attorneys-at-Law

EDUCATION

Master of environmental engineering

National Chiao Tung University

Bachelor of Chemical Engineering

National Taiwan University

ADVISOR

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twitter.com/ajmelper

Aythami Melian Perdomo

BLOCKCHAIN TECHNICAL ADVISOR

EXPERIENCE

- IT Analyst & Online Software Engineer
  (PHP7, eHealth, GDPR, Blockchain) at Atos Consulting

- IT Analyst & Online Software Engineer
  (PHP5, eLearning) at IECISA

- Blockchain Independent Auditor
  Freelance

EDUCATION

Computer Systems Engineering Technician, Desarrollo de Aplicaciones en Software Libre 2004
IES Roque Amagro

Ingeniería Técnica en Informática de Sistemas, Ingeniería informática, 2000 – 2001
Universidad de Las Palmas de Gran Canaria

Advisors are listed by join date.

ADVISOR

linkedin.com/in/simon-cock-ing-20540135/

Simon Cocking

CHIEF MARKETING ADVISOR

EXPERIENCE

- Simon Cocking is Senior Editor at Irish Tech News, Editor in Chief at CryptoCoinNews, and freelances for Sunday Business Post, Irish Times, Southern Star, IBM, G+D, and others. He is a top ranked member of the 'People of Blockchain' (currently ranked at #1 / 1000).
- He is also a business mentor and advisor working with 35+ successful ICOs to date. He also been named on 10 global Twitter influencer lists in the last 12 months.
- He is an accomplished public speaker at events including TEDx, Web Summit, Dublin Tech Summit, and overseas in Dubai, Singapore, Moscow, Tel Aviv, Madrid, Tbilisi, Riga, Porto, Dublin and Helsinki in the last 12 months.

EDUCATION

Innovation Acadey, Innovation,
entrepreneurship
University College Dublin
Master of Science (MSc), Computer Software Engineering
Dublin Institute of Technology

Advisors are listed by join date.

ADVISOR

linkedin.com/in/
nassimbelouar

Nassim Belouar

MARKETING ADVISOR

EXPERIENCE

- Blogger, Economic Analyst
- President at IFAW Think Tank
- Co-founder of "Blockchain Algeria": pioneer blockchain consulting agency in the MENA region. web site : https://blockchaindz.info/
- Public Speaker and Blockchain Evangelist in France
- Advisor and business consultant in Blockchain/Cryptocurrency-related projects such as NoLimitCoin and RingCoin
- RFID Junior Project Manager at Médiathèque Marcq-en-baroeul, France

EDUCATION

Bachelor's Degree in Economics and Business Management at University of Lille, France
Master's degree in Economic Expertise at University of Lille, France
Big Data Insights and Analyst / SAS Programmer

Advisors are listed by join date.

ADVISOR

Kent Yan

BUSINESS ADVISOR

EXPERIENCE

- Founder and CEO of TraDove, Inc.
- Founder and CEO of Braincess, Inc.
- IT manager at Bristol-Myers
- Squibb

EDUCATION

MS, Electrical Engineering
Massachusetts Institute of Technology
MBA
Massachusetts Institute of Technology
Sloan School of Management

Advisors are listed by join date.

ADVISOR

Professor Wu

BLOCKCHAIN APPLICATION CONSULTANT

EXPERIENCE

Ph.D., Computer Science,
University of Illinois at Urbana-Champaign,
Illinois, U.S.A.

EDUCATION

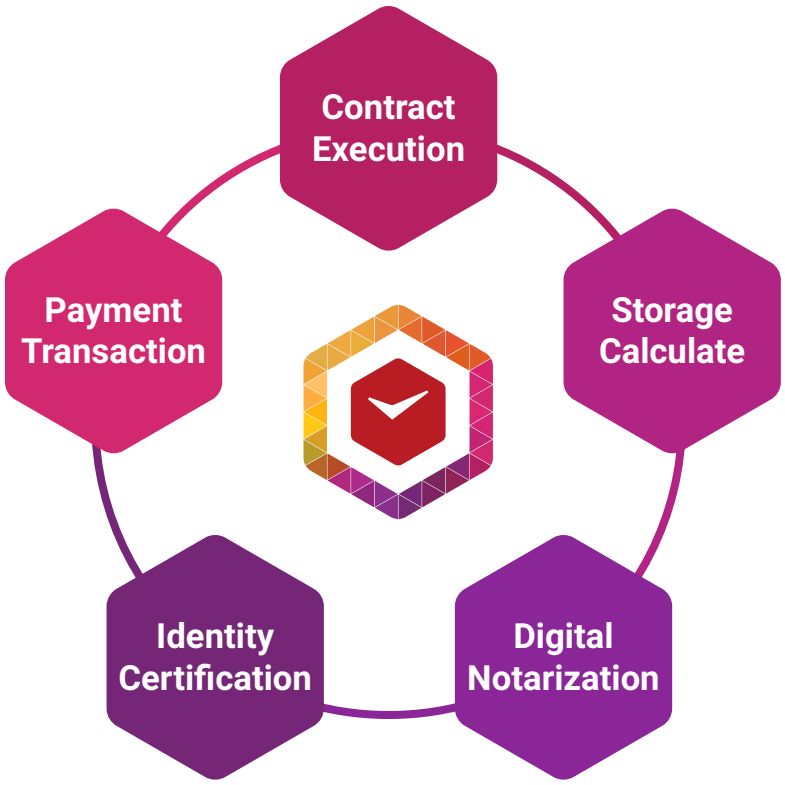
Professor Wu specializes in blockchain applications, big data and artificial intelligence. He also has extensive application research and related dissertation for Ethereum and IPFS hybrid blockchain network structure.

CHAPTER 5

Future and follow-up work

TimeBox design system, secured via advanced cryptography, provides a tamper-proof distributed record of transactions; TimeBox Coin popularity primarily stems from the growth and success of the online currency. It's maintained by a network of computers on the Internet and blockchain. Smart Contract of TB Coin users can write a communications protocol in which no information is retained by either sender or receiver.

Our follow-up work will be extended Smart Contract system, to assist the specific operation of TimeBox Coin. We will build a monitoring unit that ensures the transmission of the memory blockchain is reasonable that the vast majority of them will be between Wallets.



The function of TimeBox Coin

This trend results in an increased focus on the interconnection of systems both within and across enterprises. Blockchain storage in other blockchain based platforms as well as bringing functionalities from other platforms into TimeBox.

TimeBox in other platforms: Other blockchain systems such as Bitcoin, allow developers to write smart contracts; however, these platforms provide very little storage capability and at a very high cost. We plan to provide a bridge to bring storage and retrieval support to these platforms.

FUTURE WORK

The future work presents a clear and cohesive path toward the construction of the memory blockchain network; however, we also consider this work to be a starting point for future research on decentralized storage systems. This work that includes the completion of description and publication of the current structure, we also propose open issues and protocols that improve current protocols. The following topics also represent the ongoing work we are working on:

- ✓ Implementable TimeBox protocol specification.
- ✓ TimeBox in Ethereum interface contracts and protocols.
- ✓ The topics of blockchain and artificial intelligence will be analyzed within the context
- ✓ Memory Blockchain archives and records management

ULTIMATE GOAL AND SUSTAINABLE SERVICE

Blockchain will be applied to any field in the future, which has a tremendous impact on human life. The bottom system of TimeBox plans to adopt the open platform, in order to ensure that the holder of secret key can still use the other applications developed in this platform to retrieve the digital assets in case of any natural disasters or risk which results in the TimeBox operating company being disappeared. TimeBox projects are broadly divided into: existential proofs, smart contracts, identity verification, asset transactions, archival storage send and receive, data APIs, and so on. Through more people's participation, we'll make TimeBox work better, and make the people feel safe and secure.

CHAPTER 6
Risk Management

6-1. RISK MANAGEMENT

6-1.1 KNOWN RISKS OF BLOCKCHAIN

Smart Contract:
There may also be flaws in which attackers can use these defects to steal, extort or withhold money, and, like all software crimes, the impact of such attacks can be quite serious. In a sense, it is no different from other applications or websites, and there are loop-holes or mechanisms that are vulnerable to fraud. Therefore, the safety supervisor must expand the existing security protection mechanism, incorporate the smart contract and smart assets, and incorporate the risk of asymptotic failure into the organizational tolerance.

Key Lost:
a major feature of block chain technology is irrevers-ible, cannot be forged, but the premise is that the private key is safe. The private key is generated by each user and is kept by himself, in theory, there is no third party involved, so once the private key is lost, it can't do any operation on the assets of the account. Multi signature to some extent can solve part of the problem, but the implementation is very complex, furthermore, design and matching the use of secret key management system is very complex.

Extensibility:
With the increase of device, data, transaction and user status, management and storage requirements of related human factors are also increasing. Therefore, the enterprise information security needs a safe and extensible method to ensure the success of block-chain in the next few years. Although the block chain may benefit from its scalability in the future, it is still

regarded as a risk at present, relevant researchers are trying to make the blockchain break away from the traditional distributed consensus mechanisms and develop various options for scalable patterns.

6-2. CRYPTO-CURRENCY RISKS

01. VULNERABILITY OF TRADING PLATFORM

Because the crypto-currency has no issuing subject and lacks the effective supervision of government. Its trading platform is usually built by individuals or companies, not only will happen hacker attacks and trading platform close down.

02. THE VALUE IS UNSTABLE AND FLUCTUATES GREATLY

The exchange rate of crypto-currency is determined by market demand and is extremely unstable; moreover, the involvement of a large number of speculators will lead to great fluctuations in the exchange rate of crypto-currency, and bring huge volatility risks to investors.

Low approval. Fiat money has a strict liquidation guarantee system, and the decentralization of crypto-currency makes it have no guarantee and is not protected by any government.

03. DEFLATION RISK

The supply rate of crypto-currency is determined by the algorithm, it has nothing to do with market demand and economic development, its supply cannot keep pace with economic development, and it is more likely to produce deflation. A crypto-currency, which is prone to deflation, is unlikely to become the currency of the future.

04. LEGAL AND POLICY RISK

Due to the decentralization of crypto-currency, there is no issuer, and only through the regulatory trading platform to regulate the crypto-currency market, and its anonymity, concealment, to a certain extent provide protection for illegal transactions to achieve money laundering, bribery and asset transfer. Without the related supervision and protection mechanism, the settlement of crypto-currency is not subject to any supervision, and no institution is responsible for its actions, at the same time, it does not have any investor and depositor protection mechanism, causing the user to bear all the risks himself. Once the crypto-currency affects the real money to some extent, the government will declare the illegality of the crypto-currency and close the transaction based on the systematic risk consideration.

6-3. TIMEBOX PROJECT RISK

TB Coin is not an investment.
No one can guarantee - in fact, there is no reason to believe that the TB Coin you buy will certainly increase in value, or at some point may be devalued.

1. The project is likely to have a shortage of funds in the process.

2. TimeBox is still in its very early stage, containing significant risks, including, but not limited to: technology, law, policy, operation, management of all aspects of risk;

3. TimeBox team will do their best, but it cannot guarantee the success of the project, and cannot guarantee the price of TB Coin can get investment income;

4. TB Coin online trading platform is not yet determined;

5. The risk of losing TB Coin is because of losing the security key.

6. The risk of an unfriendly regulatory bill in one or more judicial departments.
   Blockchain technology has been carefully reviewed by various regulatory authorities around the world. TB Coin may be affected by one or more regulatory requirements or bills.

7. The development of TimeBox cannot keep up with the risk that buyers expect.
   According to the actual situation of TB Coin, the development of TB Coin may have a great change with the current planning. The buyer's expectation of TB Coin in any form or function may lead to issues that cannot be released on time. Other reasons, including changes in design and the execution plans and implementation, are likely to lead to issues that cannot be released on time.

8. There is a risk of being hacked and stolen.
   Hackers or other teams or institutions may try to intervene in any available way of TB Coin. Include but not limited to service denial attacks, malicious attacks, or attacks based on consensus mechanism.

9. There is a risk of weakness in the field of cryptography that leads to a major breakthrough
   The progress of cryptography, or the development of technology, such as the development of quantum computers may bring risks to the crypto-currency, resulting in the risk of TB Coin be stolen or loss.

10. Market risks with insufficient liquidity of TB Coin.
    There are no exchanges that can trade TB Coin for now.

11. There is no insurance cover loss risk.
    Unlike a bank account or other financial institution, TB Coin doesn't have insurance. When the value is lost or missing, there is no insurance company that allows the purchaser to claim.

12. The risk of TimeBox project dissolution.
    There may be countless reasons, including, but not limited to, the downward fluctuations in the value of TB Coin, the failure of business relations, the TimeBox project may not go down and lead to the dissolution.

6-4. KNOW-YOUR CUSTOMER (KYC) POLICY

PURPOSE

This KYC policy applies to all new and existing customer relationships and to all products and services offered by the **[KEYMAN TECHNOLOGY LIMITED]**. KYC is an ongoing, risk-based process to gather relevant information about our customers and their business and financial activities in order to:

- Facilitate the timely identification of customer activity that is inconsistent with established facts and information. The [KEYMAN TECHNOLOGY LIMITED] is committed to deterring the use of its products and services for illegal purposes. The KYC policy and supporting procedures are a key component in the program to prevent and detect money laundering, terrorist financing, fraud and identity theft;
- Meet our legal and regulatory obligations; and
- Gather sufficient information to assist in determining appropriate products and services to meet our customers'
- financial needs.

We will only ask for information that we need for the purposes set out in the **[KEYMAN TECHNOLOGY LIMITED]** Privacy Agreement.

CONFIRMING CUSTOMER IDENTITY

When establishing a relationship with a customer we will confirm the identity of a person or the existence of an entity within acceptable timeframes using acceptable identification methods. When a product or service is being established, inquiries will be made to determine whether it will be used by or for the benefit of a third party. Where required, particulars of the third party and their relationship with the customer will be obtained prior to establishing the relationship.

COLLECTING AND RECORDING CUSTOMER INFORMATION

We will collect and record all pertinent information regarding current and prospective customers including beneficial owners, intermediaries and other interested parties and will establish the purpose and intended nature of each relationship. Where applicable, we will record the type, volume and frequency of expected account activity and we will make enquiries into the source of incoming funds or assets. The extent of such measures will be determined on a risk-sensitive basis depending on the type of customer, business relationship, product and transactions.

VERIFYING CUSTOMER INFORMATION

We will take reasonable and appropriate measures to verify the key information provided by prospective customers to reliable independent sources. We will perform additional verification activities for relationships that represent a higher level of risk. We will refuse to enter into or continue relationships or conduct transactions with any person or entity that insists on anonymity or provides false, inconsistent or conflicting information where the inconsistency or conflict cannot be resolved after reasonable inquiry.

MONITORING AND UPDATING CUSTOMER INFORMATION

We will monitor customer activity to identify and report transactions that may be indicative of illegal or improper activity. We will keep information regarding the customer and their business and financial activities as accurate, complete and up-to-date as necessary to fulfill the purpose for which it was collected. When changes in a customer's financial behaviour become apparent, we will take steps to determine the underlying reasons.

MANAGEMENT RESPONSIBILITIES

The accountability for confirming identity and recording, verifying and updating customer information resides with management of the business unit where the relationship, product or service is maintained. In special circumstances management may rely on another party, either internal or external to the **[KEYMAN TECHNOLOGY LIMITED]**, to perform parts of the Know Your Customer process on their behalf. In these cases the basis for such reliance should be documented, including those processes that provide management with reasonable assurance that these responsibilities have been reliably performed. Where reliance is placed on a party external to the **[KEYMAN TECHNOLOGY LIMITED]**, arrangements should be subject to written agreements that clearly define responsibilities for collecting and verifying customer information. The records of the business unit maintaining the relationship should contain all the information required under this policy.

6-5. ANTI-MONEY LAUNDERING ("AML") AND COUNTER TERRORIST FINANCING ("CTF") POLICY

Money laundering is defined as the process where the identity of the proceeds of crime are so disguised that it gives the appearance of legitimate income. Criminals specifically target financial services firms through which they attempt to launder criminal proceeds without the firm's knowledge or suspicions.

Within the UK alone it is estimated that L23 billion is laundered on an annual basis and on globally in revenue terms the amount of money laundered would make it the third largest industry.

In response to the scale and effect of money laundering the United Kingdom, in common with many other countries, has passed legislation designed to prevent money laundering and to combat terrorism. This legislation, together with regulations, rules and industry guidance, forms the cornerstone of AML/CTF obligations for UK firms and outline the offences and penalties for failing to comply.

Whilst **[KEYMAN TECHNOLOGY LIMITED]** is currently unregulated and do not fall with the

scope of the AML/CTF obligations in the UK, nor is located in the UK the senior management have implemented systems and procedures that meet the UK AML legislation. This decision reflects the senior managements desire to prevent money laundering and not be used by criminals to launder proceeds of crime.

UK AML LEGAL AND REGULATORY FRAMEWORK:
The UK AML regime is set out in the following legislation and regulations:

- The Proceeds of Crime Act 2002 (POCA), as amended by the:
  i. Serious Organized Crime and Police Act 2005 (SOCPA); and the
  ii. Proceeds of Crime Act (Amendment) Regulations 2007;
- The Terrorism Act 2000, as amended by the:
  i. The Anti-Terrorism, Crime & Security Act 2001; and the
  ii. Terrorism Act (Amendment) Regulations 2007;
- The Terrorism Act 2006;
- The Money Laundering Regulations 2007; and
- The Joint Money Laundering Steering Group (JMLSG) Guidance for the UK Financial Sector on the prevention of money laundering/combating terrorist financing.

ANTI-MONEY LAUNDERING (AML) POLICY

The **[KEYMAN TECHNOLOGY LIMITED]** AML Policy is designed to prevent money laundering by meeting the UK AML legislation obligations including the need to have adequate systems and controls in place to mitigate the risk of the firm being used to facilitate financial crime. This AML Policy sets out the minimum standards which must be complied with and includes:

- The appointment of a Money Laundering Reporting Officer (MLRO) who has sufficient level of seniority and independence and who has responsibility for oversight of compliance with relevant legislation, regulations, rules and industry guidance;
- Establishing and maintaining a Risk Based Approach (RBA) towards assessing and managing the money laundering and terrorist financing risks to the company;
- Establishing and maintaining risk-based customer due diligence, identification, verification and know your customer (KYC) procedures, including enhanced due diligence for those customers presenting higher risk, such as Politically Exposed Persons (PEPs);
- Establishing and maintaining risk based systems and procedures to monitor on-going customer activity;
- Procedures for reporting suspicious activity internally and to the relevant law enforcement authorities as appropriate;
- The maintenance of appropriate records for the minimum prescribed periods;
- Training and awareness for all relevant employees

SANCTIONS POLICY

[KEYMAN TECHNOLOGY LIMITED] is prohibited from transacting with individuals, companies and countries that are on prescribed Sanctions lists. **[KEYMAN TECHNOLOGY LIMITED]** will therefore screen against United Nations, European Union, UK Treasury and US Office of Foreign Assets Control (OFAC) sanctions lists in all jurisdictions in which we operate.

TimeBox

timebox.network