

HAN Blockchain Project White Paper V1.1

**Dual cryptocurrency platform with Defi structure focused
on real life use
(HanChain & PayKhan)**

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Summary

From the past to the present, we have been working to create more convenient payment methods and asset transfer methods for both online and offline commerce in real life. The most important thing in transaction activities is security and convenience. Based on this, our project team has been agonizing over ways to create more active transactions and increase satisfaction and benefit for both transaction parties.

In the simple existing commerce, we can provide a service that has developed from a commercial transaction that rewards participants through the Hanchain project, and created a compensation system that users can experience through HanChain_Incentive (IPoS, HAN_Incentive). Based on this compensation system, HAN Token will be a useful payment method for online/offline commerce.

Depending on the contribution of the participants, HAN_Incentive is compensated based on the amount of PKN (Stable Coin) issued by staking HAN, PKN issued by staking HAN Token can be used in real life like normal currency. In other words, IPoS is a user-centered compensation system designed so that PKN issuers with HAN can be directly compensated with Smart Contract for the use of HAN_Incentive.

HAN Token provides holders with online/offline shopping, advertising, travel reservation services, digital content provision services, and financial services in real life. Services will be provided to the extent that they do not undermine the unique idea of decentralization, and HAN's blockchain platform will be developed

through the fusion of Web3 Providers (MetaMask, etc) and DApp technology to provide global services to everyone around the world.

PKN issued by Staking HAN will be able to provide electronic financial payment services for online and offline commercial transactions with PayKhan Cash, a simple payment service that can be used in daily life in cooperation with financial institution networks through PayKhan Wallet.

It is compatible with hundreds of cryptocurrencies around the world by using a cryptocurrency decentralized exchange and Web3 Providers (MetaMask, etc), and PayKhan can be conveniently used anytime, anywhere in various online/offline stores. In particular, cryptocurrency does not play a role as an appropriate medium of exchange due to the small amount. In the current situation, PayKhan Wallet, which has established its own platform to maximize its advantages as a cryptocurrency and overcome its disadvantages as a payment method, has the advantage of using cryptocurrency with DApp (QR code, Barcode, etc.), mobile, and PC.

HAN e-Platform (HAN_eP) PayKhan Wallet includes basic functions such as production, cross-country trade, general distribution, efficient and inexpensive electronic money, electronic wallets, payment points, IPOS compensation (HAN_Incentive), payment (Payment), and digital ID support through Smart Contract.

The PKN issued by HAN is literally limitless in the industrial fields that can benefit from using PKN, such as on/offline payments and P2P transactions with QR_CODE

in PayKhan Wallet, and HAN Eco_System (HAN-Eco) is an eco-friendly, technological, and social. It can be an innovative 'everyday life' project that can incorporate changes, etc. PKN will enable billions of customers around the world to use the most technologically advanced payment service and will become an innovative means of practically connecting online/offline and cryptocurrency. The HAN project designed a dual structure of a collateral coin and a stable coin to ensure the stability of such a transaction method. A stable coin is a cryptocurrency whose target price is kept constant to minimize price volatility. Stablecoins are usually issued in three ways. The first is fiat currency-collateralized stable issuance, the second is cryptocurrency-collateralized stable issuance, and the third is non-secured issuance. HAN project applied the second method to issue a stable coin (PKN) in the form of a cryptocurrency (HAN) collateral, and aim for a completely trustworthy decentralization. In addition, to overcome incomplete trust due to the simple fee payment control policy of existing stable coins, HAN strengthens the scope of use in real life and creates sufficient voluntary efforts to stabilize PKN (stable coin) prices from HAN holders related to IPOS compensation.

HAN's excellent distinction with such a dual structure is that HAN_Incentive (IPoS), designed to enable people around the world to engage in real economic activities, can be used as a direct means of compensation by HAN holders. Through this, the idea of practicing the global sharing economy can be widely promoted and spread.

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1. Application Model

The HAN project aims to be used for online/offline commerce payments in everyday life. To this end, it is possible to develop a real-life DApp and charge a convenient simple payment method for use in real-life commercial transaction settlement on the DApp. It is developed based on technology integration with Web3 Providers (MetaMask, etc) for compatibility and stability of DApp.

The best thing about the HAN project is the dual structure. It presents solutions to the disadvantages of cryptocurrency that have been impossible to use in real-life transactions due to the volatility of blockchain value, and solutions to increase value to other blockchain projects that are rarely used in real life.

The contents of the decentralized structure are as follows.

HanChain (HAN) has limited issuance and variable value, and PayKhan (PKN) is a stable coin whose value must always be stabilized in order to be used in real life. Here, HAN has the nature of providing collateral for issuing PKN. Since the quantity of HAN is fixed and the PKN is issued with the fixed quantity as collateral, the issuance of the PKN is automatically controlled and fixed. In order for PKN to be used in real-life transactions, PKN needs to have a fixed value. Since the issued PKN quantity remains unchanged at the time of issuance, even if the value of the HAN decreases, the change in the value of the HAN is designed to be minimized based on the IPOs compensation effect preferentially filled in the collateral, and the value of the HAN increases as the value of the PKN increases. In other words,

it is a structure in which the real-life use-value of PKN is reflected in the value of HAN.

Despite the fact that price volatility-the biggest reason why cryptocurrency is difficult to commercialize, several attempts are constantly taking place to commercialize Gibraltar United cryptocurrency, such as paying Big Mac in cryptocurrency and soccer players receiving their annual salary in cryptocurrency. In this situation, the emergence of Stable coin is being highlighted as a practical alternative right now, and it will further encourage the commercialization of cryptocurrency.

HAN holders will be able to sell HAN after repaying the PKN issued as collateral if they want to sell HAN on the exchange.

If the value of HAN increases due to the use of PKNs with maximized real-life use, HAN holders will continue to hold it rather than selling it.

2. Project contents (maximize real-life utilization)

2.1 Goals

1) Convergence of Coin (cryptocurrency) and Payment (Prepaid Electronic Payment)

- A payment system that connects real currency and cryptocurrency
- Payment and points accumulated through real simple payment methods can be used in real life

- Combining electronic Wallet Technology for Compatibility between Real Currency and Cryptocurrency
- Various financial online and offline activities in connection with the real financial institution network.
- Under the HAN implementation plan, a \$100 million-based commercial application will be produced.

2) Completion of collateral coin-stable coin duplex structure

- HAN is issued as a collateral coin, and based on this, stable coin PKN is issued.
- Expanding the scope and usage of stable coins (token) in daily life
- Creating a 100 million dollar-based commercial application according to the HAN project plan

3) Construction of innovative financial services

- Creating innovative changes in financial and distribution markets and all related networks.
- Addressing financial service inconveniences caused by a large population around the world who do not have bank accounts
- Supporting financial payment in everyday life in connection with existing financial institutions

4) Developing PayKhan Wallet worldwide for HAN ecosystem

- NFT-based advertising platform, web drama video production, and PKN payment viewing,
- Commercialization of digital content rights through ERC20-based sound source production and PKN payment streaming service
 - Global hotel reservation and travel tour reservation by PKN payment service

5) HAN project will be introduced to millions of users around the world in banking, token exchange, tourism, and retail activities.

HAN e-Platform	PayKhan Cash Payment	Decentralized exchange
Digital content production and distribution	Software production and distribution	Online/offline shopping and retail business
PayKhan Partnership Business	Tourism business	Comprehensive derivatives business

2.2 Definition and use

HAN is an innovative trading system to overcome physical, time-limited, and unnecessary fee in transaction systems between countries, operators, and individuals, and aims to evolve into a more intuitive and user-centered global cryptocurrency starting with a point concept.

HAN is an integrated platform that provides the convenience of foreign exchange transactions between countries, provides payment systems for operators, and provides efficient financial services between individuals. Unlike general cryptocurrency, it aims for cryptocurrency and actual digital currency.

HAN consists of cryptocurrency, an integrated means of transaction, and electronic wallets, points, and messengers based on web/PC/mobile devices for services.

Electronic payment	<ul style="list-style-type: none"> - Payment via E-Money on mobile and web using cryptocurrency - No time and space constraints, global service is available - PayKhan can be used for online /offline payment service
Electronic bankbook financial services	<ul style="list-style-type: none"> - Provide financial services of normal banks such as real-time transfer, deposit, and providing transaction details on the application and web. - Provide user convenience without additional ISPs or public certification to use - Provide text service when entering or withdrawing money. - Provide accrued points, used like real-time cash.
Point Payment & Accrual	<ul style="list-style-type: none"> - Integrated point management service for customers as a service linked with point-related companies - Points can be accumulated in cash that can be transferred or withdrawn. - Cashback functions at the same time after payment - Provide usage and savings details - Provide point accumulation function and cash function in transaction
Expansion of coin business	<ul style="list-style-type: none"> - Replace the point business in the distribution market with the COIN business. - Complete existing systems and improve programs using blockchain algorithms

	<ul style="list-style-type: none">- Replace virtual account payment method with e-wallet.- Expand partnership with companies related to global coin listing- Promote coin and commercial usage.
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2.3 Shopping platform

In general, shopping platforms rely on consumer reviews and marketing activities, but the HAN blockchain shopping platform implements web3-based strong marketing that directly compensates product buyers and promoters. This is a global shopping platform co-operating with multinational partners to help consumers approach easily and quickly to various products.

2.4 Differentiation

► Innovative electronic finance platform that combines cryptocurrency and traditional finance

- PayKhan Cash Payment

- Provide collateral for transactions.

► You can pay anywhere you want, just like a regular credit card.

- Building a HAN Ecosystem

► More convenient and secure electronic money

- Decentralized structure of collateral coin and stable coin.

► Collaboration with existing legal currency systems established around the world

- Based on the decentralized structure of collateral coin and stable coin.

► Use in existing government and financial institution systems

- Integration of stable coin-based transaction and centralized systems

2.5 Conclusion

Currency moves from high to low uncertainty, and from high to low transaction incidental costs. HAN was born from efforts to find solutions to the exchange system and the existing institutional payment system's problems. Therefore, HAN will be the most utilized coin with flexibility, reliability, convertibility, and universality as it is compatible with cryptocurrency and the existing institutional financial payment system. One of the most important functions of money is the value storage function. General cryptocurrency has high price volatility, and it is not easy to mitigate volatility in value. Unlike gold and other assets, cryptocurrency does not have basic value, and the flow of income from the investment is not determined. A surge in prices due to scarcity can be seen as a speculative transaction.

Although most cryptocurrencies currently listed on coin exchanges around the world have excellent blockchain technologies, the payment system is weak. The place where you can use it is insignificant. Therefore, it is held in a speculative means and sold urgently when the surrounding situation is unfavorable, and its value is manipulated like a stock price manipulation by the greed of large holders.

HAN aims to provide transaction stability as a top priority through the decentralized structure of collateral coins and stable coins, to be compatible with various cryptocurrency and cryptocurrency exchanges and institutional financial institutions around the world, and to be easily and comfortably used in real life. In addition, based on this differentiation, it aims to develop into a global cryptocurrency that can be used anywhere in 220 countries around the world.

HAN is a cryptocurrency that is optimized for currency functions such as exchange functions, payment functions, remittance payment, barter transactions, value storage, and value scale, i.e., This will create an ecosystem where HAN can be used.

The problem with cryptocurrency is the anonymity of transactions. High security not only makes it difficult for financial authorities or governments to know the transaction details but also to grasp the status of ownership. For this reason, there is a possibility that it will be used illegally. It will be difficult to impose taxes on transactions and analyze the financial market for policy decisions.

Blockchain is a new technology and a concept that shakes the centralized institutional financial model of the past. It is already flowing into cryptocurrency from the perspective of the 4th Industrial Revolution, and accordingly, the importance and necessity of HAN are growing.

Private-led cryptocurrencies are systematized for the purpose of protecting individual assets, and state-led cryptocurrencies will be systematized for the purpose of managing and supervising the assets of the people. However, because

of the possibility of illegal use due to anonymity, HAN, which is more secure than other anonymous private cryptocurrencies that confront the state, and is compatible with existing institutional financial institutions while guaranteeing some degree of privacy, will quickly establish itself in the global market.

3. Token IAO

Beyond ICO, which is an illegal element of raising funds only with white papers, HAN tokens are published through IAO (Initial dApp Offering), which is more advanced than IEO. The IAO requires the Minimum Visible Product (MVP) to immediately implement the actual function of the project.

3.1 Information

HAN project shares HAN's vision and provide opportunities for participation to those who believe in the potential of this project.

1) HAN vs Bitcoin

HAN	Bitcoin
online and offline available	No applied product
Interactive online and offline transactions	Currently, only online transactions are possible
O2O / M2M / P2P business structure	Only pure online technology is available
Connect with the existing financial system for daily life	Speculative purpose

2) HAN details

Category	Sort	Description
Name	HanChain PayKhan	Collateral Coin Stable Coin
Display	HAN PKN	HanChain PayKhan
Type	Ethereum Request for Comment	
Issuing Limit	1.5 billion HAN	
Mining method	IPoS (Issued Proof of Stake) + Liquidity Mining	

3) HAN distribution ratio

Division	Main Roles
Founder 7.5% Team & Advisor 7.5%	Blockchain and DApp platform development and maintenance
Partner 15%	Project promotion, exchange and ecosystem development
Rewards 40%	IPoS (Issued PoS - real life use reward) + Liquidity Mining (liquidity supply compensation)
IAO 30%	Including supply via IAO (Initial App Offering) & IDO

3.2 Features

1) Wallet

It provides a DApp based on the most widely used MetaMask Wallet in the form of a smartphone app and provides it for use after registering online.

2) Redundant Blockchain

It plays a solution in real-life use, which has been impossible due to the volatility of the blockchain value so far.

Collateral Coin: HanChain (HAN): A value-varying token that reflects the value of a stable coin's real-life use with a limited number of coins.

Stable Coin: PayKhan (PKN): A stable coin issued, incinerated and controlled by the collateral of HAN and aimed at minimizing price fluctuations. It is a stable token.

3) DApp for real-life use

DApp is for the smooth use of the dual blockchain, the biggest feature of HAN.

First, the smart contract of collateral issuance and release is completed. The basic ratio of HAN required when issuing HAN and PKN is 500%, which is the collateral ratio for optimal IPoS mining compensation (see the third item).

Second, P2P payment (PAY) and real-life point conversion functions increase the value by expanding the range of use of merchants, online shopping malls, convenience stores, movie theaters, subways, buses, amusement parks, games, entertainment, and vending machines.

Third, as a real-life mining function, it is provided in the form of incentives to HAN users by providing PKN issuance payment (IPoS_PKN compensation, collateral

PKN issuance quantity x about 0.1%~0.5% x daily) + PKN cross-compensation (100% mining for recommenders) functions. In addition, after the end of the pre-issuance, HAN compensation (IPoS_HAN: (half of 300 million HAN / 4 years) x (total PKN issuance / PKN issuance)) function is provided to provide additional incentives for HAN transactions.

4) Blockchain exchange

HAN supports P2P transactions through DEX, a decentralized exchange.

In addition, in order to provide incentives for HAN transactions based on the exchange, HanChain (300 million HAN) is provided as an incentive to users in proportion to the proportion of liquidity supply. In order to experience the incentives provided in this way, buyback options are provided, and regular HAN buyback events are held once a week with some of the resources of the HAN-eP platform net profit.

► Buy Back event

- HanChain buy-back events are held once a week for a period of time.

5) Prepaid e-payment method

It aims to become a real-life simple payment blockchain by charging prepaid electronic payment with PKN as collateral.

3.3 Incentive Plan System

The HAN/PKN Incentive Plan Pool (IPP) is a transparent and convenient incentive planning system. Blockchain technology, market transaction protocols, and mutual practices emerged along with the development of the global

cryptocurrency market. It not only maintains the value of cryptocurrency but also uses the accompanying incentives as a marketing element and makes transactions possible.

Since HAN aims to serve as a secure payment method in on/offline transactions. It is essential to provide additional incentives to all parties involved in such transactions. The incentive plan becomes a real revenue from transactions thanks to the incentive listing program offered by all major token spenders, including manufacturers, wholesalers, retailers, brand owners, service providers, and merchants. The incentive plan is developed by the HAN team not only attracts commercial traders from all over the world, but also enables millions of token holders, goods, and service operators to obtain good business models that attract consumers.

In addition, the HAN incentive plan supports the effective use of promotion plans through the participation of large companies operating point-based services. Payment by PKN will receive points that are automatically accumulated according to electronic payment, electronic passbook financial service, and payment amount.

4. Roadmap and development plan

HAN_eP aims to evolve and develop along with Fintech.

08/2018	- BENECIA shopping platform partnership and HAN pre-issuance through IAO_Shopping.
04/2019	- Release of PayKhan Wallet V1.0 and pre-issue of HAN through IAO_Shopping. - PKN issuance by collateralizing HAN - Start of IPoS_PKN pre-issuance compensation and PKN real-life use
05/2019	- Release of PKN Charging Welfare Card (Transportation, Convenience Store, Cultural Life)
07/2019	- Release of PayKhan Wallet V2.0
08/2019	- Launch of GiftiKhan (Exchange of about 3,000 mobile gift certificates such as department stores with PKN)
11/2019	- Release of PKN Charging Global Payment Mastercard
04/2020	- Release of ADKhan (a mobile advertising platform)
07/2021	- Release of NFT distribution based on Sewoori Union, SWRU ADKhan video content
11/2021	- Distribution of Sheep character (Sheepoori) NFTs based on SPR ADKhan video content - Web drama production and distribution PayKhan NFT PLAY (PNP) launch and distribution of Munie - octopus character NFT based on MNI web drama content

01/2022	- HanChain (HAN) token Ethereum Mainnet distribution
02/2022	- HanChain (HAN) whitelist withdrawal and HAN/USDC V2 POOL release - Launch of official global blogs and communities (medium, Facebook, Telegram, Discord, Twitter, Reddit, etc.) and Bounty campaign
03/2022	- PayKhan Wallet's ISMS, ISO27001 Information Protection Certification Application - Release of MusiKhan- music production and PKN payment streaming service - Start to launch, distribute, and share PKN revenue from ERC20 tokens based on sound source content.
06/2022	- Establishment of K-POP Entertainment and Pop Culture & Arts Planning - Distribution of octopus character (Munie) NFTs based on MNI music video content - HanChain (HAN) Token Optimism Mainnet Release - UNISWAP V3 POOL : Release of HAN/WBTC & HAN/ETH
Q3/2022	- Launch of PKN payment worldwide hotel and travel reservation service TourKhan - Launch of PKN payment global shopping platform BENEZIA V2.0

<p>Q4/2022</p>	<ul style="list-style-type: none"> - PayKhan (PKN) token Ethereum Mainnet distribution and optimism Mainnet's launch - UNISWAP V3 POOL : PKN/USDC's release - Release of PayKhan Wallet v3.0 based on SmartContract Optimism Mainnet <p>(HAN/PKN, sound source token/PKN, web drama NFT/PKN, etc. are equipped with DeFi function)</p> <ul style="list-style-type: none"> - Completion of PKN pre-mining and initiation of IPOS compensation
<p>Q1/ 2023</p>	<ul style="list-style-type: none"> - Launch of PayKhan Cash, an electronic payment method

4.1 Next Steps

- Forming strategic partnerships with major Fintech blockchain and related companies
- Developing new services and solutions using HAN_E infrastructure
- M&A with companies that have the potential and ability to improve technology and market value
- Constructing of major national distribution centers for blockchain-based shopping malls
- Staying updates to meet market and user needs

4.2 HAN Scheme

From the above-mentioned point of view, “HAN Scheme” follows a concept that can create blockchain-based business opportunities for the stability or expansion of transactions in cross-border commerce.

- HAN Scheme introduction:

1. Dual structure of collateral coin and stable coin
2. Stablecoin-based stable commerce support
3. Expansion of users through cooperation with services that exist in the form of points in the blockchain industry
4. Expanding the practical coin market such as stable blockchain-based commerce through HAN scheme

With HAN Scheme, HAN aims to become the world's top coin in terms of annual real transaction volume. For this purpose, users who provide various brand coins and point-type services based on blockchain can be added continuously.

We are collaborating with various networks to enable on/offline commerce through HAN payment system that can be used in daily life. HAN can be compatible with more cryptocurrency companies around the world through cryptocurrency exchanges or cryptocurrency management companies.

This is particularly likely to be the case in the current situation, where funding for cryptocurrencies is limited and cryptocurrencies cannot function as a suitable currency. With HAN_eP, users can use their cryptocurrency through smartphones and PCs.

HAN_eP supports electronic money, electronic wallet, payment point, smart contract, payment settlement, digital ID support and efficient commerce, which are basic and necessary functions for production, distribution and overall payment. The fields that can benefit from using HAN are endless. HAN_E can be an innovative daily project that can bring technological and social change, just like the Internet did before.

HAN provides the most technologically advanced payment services to millions of merchants, manufacturers, corporations, charities and individual non-banking customers around the world. It will also become an innovative medium that connects online and offline with cryptocurrency.

As international exchanges become more active, a transaction system for international transactions between countries or individuals has become an essential element. Accordingly, there is a demand for an innovative trading system, and HAN will play a key role. Through this, we will continue to develop the global sharing economy.

5. Members

5.1 Development Team

The HAN development team aims to develop HAN_eP, a core platform, to implement and provide the use of new cryptocurrency without limitation. HAN's core platform is to provide stable exchange value in commerce based on the dual structure of collateral coins and stable coins, and to provide incentives for coin/token holders as mining compensation.

HAN will develop rapidly and at a high level on this platform, and we will conduct innovative development for the new changes technology will bring out.

5.2 Operation Team

The operation team has a management committee at its headquarters in Korea. HAN has branches in Hong Kong, Vietnam (Southeast Asia), Kazakhstan (Central Asia). We are forming and operating global organizations all over the world. In addition to the main members who officially participated, company members are all around the world, so they can have the advantage of decentralized and efficient organizational operations by remotely contributing to HAN. In addition, in order to revitalize blockchain-based online commerce, a shopping platform operation team is formed and operated in each country to support each country's products to participate in inter-country transactions more freely.

5.3 Advisory Committee

In order to distribute new cryptocurrency to the public and provide the best service to users, we are continuously receiving advice and learning from experts in various fields such as business, IT, banking, finance, technology, and marketing.

5.4 Project Director

Senior Advisor	John Lee PhD in Business Administration at Zhongshan University in Guangzhou, China Master of International Management, Graduate School of General Studies, Korea University Bachelor of Business Administration at Korea University DACOM Co., Ltd. Hanaro Telecom Co., Ltd. Hostech Global CEO (KOSDAQ) DIK (Develop Invest Korea) LLP CEO (Kazakhstan) Vice-Chairman of the Korea Internet Expert Association (KIPFA) Hanbit Global CEO (currently)
CSO (Chief Strategy Officer)	Taehee Cho - SDU Software Engineering & Applied Music Department - Representative of Open Information System - Achieved No. 1 distributor in Dell Computer Road Shop

	Representative of Fuji Xerox Printers Korea Demo Center - Achieved No. 1 distribution by Fuji Xerox CEO of NTM Co., Ltd.
CISO (Chief Information Security Officer)	Younghun Kim - Full-time Professor of Korea Vocational College of Information and Technology - AWS Academy Cloud Foundations Certified Lecturer - ITBCR PG Security Officer - CISA, CISSP certification

6. Contract

6.1 Location

HAN IDENTITY KOREA,

1805, 33, Digital-ro 9-gil, Geumcheon-gu, Seoul, Republic of Korea (08511)

Certificate No. 560-86-01261

6.2 e-Mail

cs@paykhan.io