# TNC Coin
## Whitepaper

January - 2020

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# 1. Introduction

TNC IT Solutions Group (TNC) is an organization formed with a revolutionary mission statement – uniting the cryptocurrency world. The group was established to provide blockchain technology development services and consultancy by building a strong network of blockchain developers and crypto experts all under one umbrella.

The group's core plan is set on a massive-scale execution of Crypto M&A program wherein TNC will be uniting with blockchain start-ups and existing crypto companies. This extensive process will result in a strong network of industry experts and developers coming together in building significant blockchain developments. Merged companies will benefit from extensive services offered by TNC like consultancy, legal advice, and company development.

Additionally, the organization will be offering various services that are and not limited to merging promising crypto companies, providing blockchain consultation, connecting blockchain developers, and presenting overall blockchain solutions.

Alongside this, TNC will be supporting blockchain innovations and industry projects through investments. Among the promising projects that the organization has invested in includes BuyAladdin – a one-stop online marketplace for crypto users.

TNC will initially launch its native currency as an ERC-20 standard token. However, TNC will develop a powerful mainnet that can support the goals of TNC. After the mainnet is developed, TNC will undergo a mainnet swap – which will migrate from the ERC-20 token into the newly developed mainnet supported coin.

The maximum supply of TNC Coins ("TNC Total Supply") will be issued in a single genesis block and is limited to 1,000,000,000,000 TNC.

## 1.1 Mission and Vision

### Mission

TNC was established with a great mission of uniting the cryptocurrency world. The organization's core mission is to proliferate blockchain technology worldwide as an integral part of the improvement of various sectors of society. TNC has set the bar to merge more than 500 blockchain companies and escalate the number of successful cryptos and blockchain-based project development worldwide.

TNC also aims to unite crypto experts, blockchain developers, and entrepreneurs to build beneficial and strategic relationships that work together toward the progression of blockchain technology. Concerning this, great synergy in the industry will encompass as a strong network of tech experts and company partnerships is being created.

Furthermore, TNC will create a mainnet for effective and secure blockchain based game applications. TNC Coin will serve as the platform that issues tokens to developers who want to integrate blockchain in their games.

### Vision

TNC envisions a blockchain-based society where complex community interactions are progressively made seamless, secure, and efficient. As an advocate of cryptocurrencies, decentralization, and other tech innovations, TNC aims to further accelerate the adoption of blockchain in various industries and communities worldwide.

Additionally, TNC believes blockchain projects can soar to new heights when industry specialists come together to share their expert knowledge through consultations for new budding tech entrepreneurs and players in the market.

## 1.2 Market Needs

TNC encompasses a broad market for its blockchain development services. However, as part of the initial core project, the group will be offering more benefits to the existing crypto companies, blockchain industry experts and scholars, and the gaming industry, which includes players and developers.

## 1.2.1 For Existing Crypto Companies

Through TNC Crypto M&A program and other blockchain-related services, TNC would serve as a strong foundation for both existing companies and blockchain start-ups to grow and flourish. According to Statistica, a total of $2.1 billion was spent on blockchain solutions globally last 2018. This denotes that industries are slowly looking into blockchain to address the issues within the current system. While in the near future, worldwide spending on the blockchain would raise $11.7 billion by 2022.

| BLOCKCHAIN START-UPS NEEDS | TNC SOLUTIONS |
| --- | --- |
| Token Integration and Adoption | A Token Swap will happen between TNC and projects merging with TNC. This process is where companies merging with TNC will swap their tokens with TNC's native token. After the Token Swap, the newly merged companies can experience massive adoption of the TNC Coin because of the number of users that TNC offers. |
| Blockchain experts and developers resourcing | With TNC's mergers, developers will be able to work closely with other development teams under the TNC's global network. |

| Marketing costs are too high | TNC offers a pool of marketing experts and personalities in the industry who are prominent and skilled in offering affordable marketing strategies. |
| --- | --- |
| Blockchain business consultancy | TNC's blockchain appraisers are ready to provide consultancy services to growing tech companies. |

## 1.2.2 For the Online Gaming Industry

The TNC team staunchly supports innovations and technological advancements. It recognizes the gaming sector as a lucrative playground with a niche open to the blockchain technology. Based on a report, 44% of gamers purchased or traded game-related items on the blockchain in 2018.

TNC hopes to push blockchain adoption within the gaming sector by providing a blockchain infrastructure that can solve industry problems. According to the study of Chen Zhao, many online gaming faces cyber attacks and breach of data issues. TNC aims to bridge the gap in cyber security issues by offering its upcoming TNC Mainnet to the gaming industry.

## GAMING INDUSTRY NEEDS TNC SOLUTIONS

Escalate the gaming business market TNC blockchain will be able to provide a token to utilized as in-game currency and reward by gaming developers. A solution for losing in-game assets.

There will be more efficient and more secure blockchain-based storage for the in-game assets of players. Secure gaming accounts, items, and rewards. Through tokenizing games, player accounts, game items, rewards, and assets are made secured against hacking and duplication.

In-game rewards with real value TNC Mainnet will provide a full-pledge cryptographic gaming token with real value. These are listed in exchanges that players can trade-off.

### 1.2.3 For the Online Gaming Players

The TNC Mainnet, with its blockchain gaming prowess, will not only be able to host unparalleled gameplay experience but also offer an opportunity to earn TNC provided coins while they play.

In addition, TNC Mainnet will engage players in a profitable and creative manner such as rewarding them with item drops that can be sold for TNC-based game tokens in the in-game item market. They can also exchange TNC-based tokens at exchanges where TNC Coin will be listed.

| PLAYER NEEDS TNC | SOLUTIONS |
|---|---|
| Lack of earning opportunities for gamers | TNC will enable players to earn from blockenized games. Real crypto rewards and airdrops will be made possible within the gameplay. |
| Intrusive advertising | Advertising will be limited as players can spend TNC-based tokens to block advertisements or earn TNC Coin by watching advertisements. |
| Rewards cannot be used across different games | With TNC-based tokens as rewards, users can use them everywhere in the TNC Games portal. |
| Cost of digital goods | With TNC Tokens, buyers can purchase exclusive in-game items at a discounted price. |

## 1.3 Services

TNC delivers four primary services worldwide. With these services, TNC aims to extend solutions to enterprises, and start-ups that want to explore the benefits of integrating blockchain technology into their ecosystems.

## 1.3.1 Crypto M&A Program

TNC is currently on the lookout for promising blockchain companies and startups who need assistance and guidance to progress fully. TNC will absorb them and form an extensive network of industry experts through its Crypto M&A program.

The research for the top 1700 crypto and blockchain companies have started. After careful deliberation, 500 companies will be taken into account and will be under TNC's umbrella. Later on, these companies will have a chance to join the TNC global alliance for future projects and TNC development.

Alongside the ongoing research, a Crypto M&A program request is made available through the TNC website for any interested companies who want to be a part of this legendary venture. Details such as CEO and CTO names, as well as numbers of wallet holders, developers, and exchange listings are needed to be submitted for the request to be shortlisted.

## 1.3.2 Blockchain Consulting

TNC guarantees the best technical and management insights to its affiliated companies in the future. With the most illustrious partners and advisors in the blockchain sphere, TNC will provide blockchain consulting services necessary to achieve a company's objectives.

The segmentation of consulting services varies widely across organizations and countries. The main targets of consultation include the company's operations, over-all strategy, promotions, and financial management.

To help TNC carry out this service, it has partnered with several entities like, company that provides enterprise-scale technical consultancy services to its clients. TNC Group also partnered with Centurion & Co., Fairwinds, Tokenomics, Usman Zafar, and BlockNet. TNC also continues to actively search for strategic partnerships to achieve the company's goal of uniting crypto projects.

### 1.3.3 Total Blockchain Solutions

TNC is keen on providing total blockchain solutions to associated companies in the coming years. Based on mutual provisions, services offered could vary from token issuance, marketing, token listing, security, and many more.

Through TNC, companies can benefit from a platform that can provide 24/7 services in terms of marketing, communication, sales, and public relations. Aside from this, with TNC's coin development, companies can swap their existing tokens to a stable and more secure one that can be used in a wide variety of use cases. When it comes to security, a distinguished team of cybersecurity experts is working beside TNC to ensure all security concerns will be addressed.

Among all TNC partners, there are several that are chosen to focus on implementing this service. Evorese is a Romania-based information technology and services company that offers a seamless crypto payment solution to users. For cybersecurity, TNC established partnerships with SEECRA and Sigmachain. They offer various cybersecurity solutions such as mobile application security, digital forensics, and critical infrastructure. Furthermore, Fundshing provides solutions related to token offerings that help TNC integrate all the companies, stakeholders, and business assets into a unified blockchain ecosystem.

### 1.3.4 Blockchain Development

TNC aims to assist companies that are struggling with blockchain adoption. By connecting them to the most qualified developers in the industry, learning and harnessing blockchain technology will be made easier and more feasible.

TNC Group Crypto M&A program will enable developers from different projects to work together in TNC. This enables developers to meet, interact, and collaborate with other industry-experienced developers in the blockchain industry. It will drive opportunities for career growth and individual skill development.

Blockchain developers are responsible for developing and optimizing blockchain protocols, crafting the architecture of blockchain systems, as well as developing smart contracts and web apps using blockchain technology. Despite being a relatively new industry, TNC builds a network of highly qualified developers around the world.

Categorized into two, core blockchain developers are mostly responsible for designing blockchain protocols, developing the consensus protocols and security patterns for the network, and supervising the entire network's architecture. Blockchain software developers, on the other hand, specialize in developing smart contracts, decentralized applications (DApps), and backend support.

## 2. Core Projects

### 2.1 Initial Project Investments

Starting as early as now, TNC seizes the chance to invest and support innovative blockchain projects on its development stage. TNC will continue to yield its investments into projects from various industries and work with different individuals in making the ventures feasible and in line with its purpose.

## 2.1.1 Buyaladdin

Buyaladdin is the first crypto-based online shopping platform that offers merchants and customers alike a business opportunity and innovative online shopping experience. Users can benefit from the exclusive features available within this one-stop marketplace. The shopping application's release date is set to happen in October 2019, as the launch event took place on July 16, 2019, at the Rockefeller Center in New York.

Buyaladdin CEO Stanley Park presented his respective projects in the event. Buyaladdin is set to change the e-commerce industry and boost cryptocurrency adoption by integrating crypto payment into the daily lives of people. The app will feature more than 50 big-name companies to shop from including Amazon, eBay, Etsy, Rakuten, and Lazada.

Buyaladdin features mainstream cryptocurrencies such as BTC, ETH, and XRP to pay for purchased goods from different e-commerce malls – all in one easy-to-use platform.

## 2.2 Crypto M&A Program

One of the core strategies of TNC is to execute a worldwide-scale Crypto M&A program. TNC, together with its team of SME advisors, ambitiously aims to obtain the track record for the most number of Crypto M&A partnerships within the crypto and blockchain sphere.

## 2.2.1 Cryptocurrency Industry

The overall cryptocurrency market is projected to reach $1.40 billion by 2024, at a compound annual growth rate (CAGR) of 6.18% in a span of five years. Entrepreneurs and start-ups alike are taking an interest in cryptocurrency and find it as a revolutionary concept to resolve transparency issues, high cost of cross-border remittance, and fluctuations in monetary regulations, among others. Owing to these factors, the ecosystem has attracted extensive venture funding, collaborations, and partnerships among solution providers – one of which is TNC.

According to data provided from Pitchbook, a financial database for investors, $559 million worth of cryptocurrency-related mergers and acquisitions (M&A) deals took place in the United States in 2018. During the first half of 2019, there were some exciting developments regarding consolidation in the crypto space. These include the social media giant Facebook's acquisition of Chainspace, a blockchain startup founded by researchers at University College of London; Kraken has undertaken UK-based Crypto Facilities for an amount of $100 million; and EZAdvance absorbed the Indian digital payments startup Alconomy to expand into digital banking.

As merger activities take place across borders, they generate an average amount of $100 million in total. Taking this into consideration, TNC aims to be more prominent as it works its way into uniting the cryptocurrency world. From the 500 companies, it will merge, TNC will choose those that will be a massive contribution to the overall success of crypto M&A deals.

This is the reason why the evaluation process is crucial. Factors like user base, number of developers, community reputation, and listing exchanges are assessed. Once the Crypto M&A initiative of TNC becomes successful, the crypto industry will become more significant than ever. The crypto's price will not be the only basis for success; instead, it will be the complete synergy and growth of each company combined into one.

## 2.2.2 Crypto M&A SME advisors

At the time of writing, there are about 50 Special Matter Expert (SME) advisors. TNC advisors do not merely give their expert advice and share their professional knowledge with the companies. They will serve as the appraisers who will be responsible for evaluating hundreds of companies.

TNC is currently at the preparation phase of its Crypto M&A proceedings. The preparation phase involves defining the objectives and strategies of the target project, as well as the research and market analysis to identify potential collaborators. Taking the leading crypto and blockchain companies listed at CoinMarketCap, extensive market research has been done by the team to conduct a thorough analysis of each company. The TNC Crypto M&A advisors will be involved in this due diligence process. Here, they will review the

documents to evaluate legal, financial, and technical risks before TNC proceeds in merge with a specific asset or company.

Almost in a golden number, the list of Crypto M&A advisors will continue to grow as TNC progress further. Among the most distinguished on the list are CEO, founders, political advisors, and businessmen from all parts of the world. Some of the notable personalities that work alongside TNC's vision are: Dinis Guarda, CEO and Founder of Ztudium; Dr. Mattia Rattaggi, a board member of the Crypto Valley Association; Jorge Sebastiao, CTO of Ecosystem at Huawei Technologies; Bruce Porter, CEO of GlobalBoost; and Aghiath Chbib, CEO of Seecra.

## 2.2.3 Blockchain Start-ups

While blockchain technology is still progressing, its disruptive effects can already impact so many industries by creating more efficient systems. As companies and individuals continuously study its effects and uses, blockchain will become more substantial to technology-based M&A deals. With blockchain, benefits such as integrity and transparency; efficacy and interoperability; flexibility and privacy; and cybersecurity can be contributed to the crypto M&A sector.

In 2018, 54 merger deals involving blockchain and cryptocurrency-related ventures were done. TNC believes that there will be more potentials for Crypto M&A as a growing number of well-funded blockchain startups are making acquisitions to boost their market stances. Cryptocurrency exchange Coinbase, in particular, has made nine acquisitions between 2014 and 2018 — the latest one being the San Francisco-based digital identity startup Distributed Systems. In addition to that, TRON Foundation has acquired the major peer-to-peer network operator BitTorrent to create the world's largest decentralized ecosystem.

## 2.3 TNC Mainnet

TNC plans to develop its blockchain network, which is also commonly referred to as mainnet. As there are certain limitations when a token streams in an established blockchain, a stand-alone mainnet would grant TNC complete autonomy. TNC will then be allowed to set a consensus protocol and implement its own rules within a new ecosystem. This independence will all be made possible after undergoing a hard fork procedure.

TNC Mainnet is going to be built by industry-known developers and engineers with high capability engineered to accommodate various games, seamless and fast transactions, and DApps development.

## 2.3.1 Mainnet Swap

A mainnet swap is a process wherein blockchain projects that operate from another mainnet would swap into a new mainnet. Mainnet swaps are critical to the success of a blockchain project – these are proof of a project's legitimacy.

TNC will be first established as an ERC-20 token running in an existing and credible blockchain ecosystem. Afterward, it would develop its powerful mainnet to inhabit blockchain projects, DApps and DGames, and others.

After the mainnet swap, existing crypto coin holders of TNC's ERC-20 tokens holders are expected to participate in a swapping process to get TNC native tokens that will run on TNC mainnet. Also known as token migration, it's the process of swapping digital tokens from one blockchain onto another separate blockchain network.

TNC mainnet was architected to provide an adequate blockchain network that is capable to accommodate high-speed requirements and high-performance demand of blockchain games (DGames), decentralized applications (DApps), and other smart contract-based projects.

## 2.3.2 Token Swap

Merged companies would be required to undergo the token swap process. They will need to swap their own listed crypto coins and tokens to get hold of their TNC native coins. The coins will be evaluated depending on their market value and other fundamental factors that will be graded by the TNC Crypto M&A team. The grade will correspond to a specific exchange rate for the token swap.

## 2.3.3 TNC Coin

TNC Coin is the official digital currency of the TNC Project. It serves as an integral part of all the transactions and processes within the TNC ecosystem. The ecosystem is expected to grow relentlessly due to gaming developments and the TNC Crypto M&A program.

As the main digital currency, TNC Coin currency has two main purposes. On one hand, TNC Coin will be used for a token swap as part of our pioneering project, the Crypto M&A. On the other hand, TNC Coin will be part of an open-source network where gaming developers can fork and create TNC-20 standard gaming tokens through building gaming programs on TNC mainnet. This function will open the new direction in the online gaming industry which will allow TNC-20 to create its own ecosystem.

Hundreds of thousands of users are expected to be collected through the Crypto M&A program, along with our game-focused mainnet. With this, our currency will be potentially high-rated and will be listed in the market with a promising value.

### Use Cases of TNC Coins

**In-Game Currency**

Gaming developers can create their own in-game currency of TNC-20 standards. These tokens can be utilized in game interfaces to buy tools, upgrade skills, and personalize gaming avatar and setting.

**Game Rewards**

Each game will have its own rewards system, depending on the difficulty of the game players get rewarded with TNC-based tokens that can be converted to TNC Coin to have real crypto value.

**Crypto M&A (Token Swap)**

Companies selected to participate in the Crypto M&A program will be contacted for a token swap process. Merger companies will need to exchange their native currencies to TNC Coin in a token swap process

**Trading**

Players rewarded with TNC-based tokens within the games are able to use their trade their in-game currencies to TNC Coins. Once exchanged, they can utilize TNC Coin as regular cryptocurrency and trade them in crypto exchanges for other cryptocurrencies.

## 2.3.4 TNC Mainnet for the Gaming Industry

The online gaming industry is indeed booming. According to research published by the Global Games Market, the gaming industry in 2019 was expected to make $137.9 billion in revenues. While it is forecasted to reach $143 billion global industry by 2020.

Based on a report from Forbes, cryptocurrency and blockchain technology were hot topics during the Game Developers Conference 2018 in San Francisco. In a record-breaking crowd of 28,000 industry professionals, "cryptocurrency" and "blockchain" were consistently tackled throughout the duration of the event.

The gaming sector and blockchain indeed will face a bright future together. Blockchain offers a number of benefits that could be advantageous for game developers to build a more reliable, efficient, and secure gaming programs.

According to Akamai Threat Research, the gaming industry received 12 billion cyber attacks out of 55 billion they have recorded worldwide. The gaming industry is lucrative for hackers as it is a large and unregulated market of in-game purchases and rare items. Moreover, gamers have been proven to be niche willing to spend for game consumables such as visual customizations, tools and weapons, and other in-game advancements. Their accounts are alluring to attacks due to its integrated payment gateways and in-game assets that correspond to a price in the gaming market.

Additionally, gamer accounts are vulnerable to the growing cyber hack case credential stuffing. It is a form of automated cyberattack wherein a breach of username/password is performed to fraudulently use a user's gaming account. Despite the efforts of gaming companies to ensure security measures to protect user accounts, no organization is truly safe from this attack.

The TNC mainnet brings the power of blockchain technology to the gaming world. Players can use these tokens to interact within the games and redeem exclusive goodies. The network would serve as a solution to the growing threat of cyberattacks such as gaming asset hacking and credential stuffing. Gaming developers can assure their game will seamlessly run, efficiently operate, and securely store data when integrated on TNC blockchain. Protecting the gaming program, players and the gaming development's reputation entirely from fraudulent attacks and cyber hackers.

## 2.3.4.1 Gaming Market

According to the Global Games Market, the gaming market has reported an almost $30 billion increase from 2016 - 2019 from different devices and segments. With the rapid growth in the gaming industry, the gaming market has projected total sales of $152 billion in 2019 — with mobile game revenues as the leading contributor, accounting for 45% of the global market.

## THE GLOBAL GAMES MARKET PER SEGMENT



*Source: Newzoo Global Games Market Report*

The gaming industry is in a healthy state as both console and PC games are also growing in a steadfast manner. The console is the second-largest segment with revenues of $47.9 billion in 2019. This number has grown at +13.4% from the previous year, as the next-generation Xbox and PlayStation consoles were released in the market. While, the overall PC segment generated $35.7 billion dollars at a +4.0% growth rate. Because of the ongoing transition from browser games, downloaded/boxed PC games are expected to grow a CAGR of +5.4%, generating $37.3 billion by 2022.

## THE GLOBAL GAMES MARKET PER REGION



*Source: Newzoo Global Games Market Report*

The Asia-Pacific region generated $72.2 billion this year, or 47% of the total global games revenue. This represents a +7.6% year-on-year increase. The share of total revenues claimed by the Asia-Pacific region has increased slightly over the past years due to continuous growth in smartphone gaming, for which the region has the record for having the largest player base.

North America and EMEA regions are ranked as second and third consecutively, with small differences in number. The former having shared $39.6 billion which is 26% of the global games market, while the latter amounts to $34.7 billion which is roughly 23%. The numbers show that both regions are expanding their diverse markets when it comes to gaming. Accordingly, Latin America contributed $5.6 billion in in-game revenues this year taking 4% of the market revenue.

Growth in the coming years will cement Asia-Pacific as the largest region by game revenues, as the fastest-growing markets in the coming three years will be India and various countries in Southeast Asia. More importantly, the largest single market is expected to be the USA, surpassing China as it reaches $50.7 billion in 2021.

## 2.3.4.2 Blockchain Game Key Concepts

Blockchain technology allows players to monetize the time they spend in the game and avoid cases wherein digital assets are lost. Blockchain is the gateway to tokenize in-game assets. Many games do not allow players to materialize their items in terms of value and liquidation outside the gaming interface. However, with blockchain games, players can truly earn and own items that they can sell to other players – big empowerment to the gaming marketplaces worldwide.

TNC would accommodate blockchain games on its own mainnet. Blockchain will benefit games in numerous ways and possibilities which include the tokenization of rewards. Users will be able to gain rewards and use them to purchase exclusive goods in the in-app market. Alongside this, the game items within TNC's mainnet will be hard to lose and hack due to the secured accounts and transparent dissemination of game incentives.

Another benefit is when a game runs on TNC decentralized network, developers can no longer change the rules of the games easily due to smart contracts. It becomes less susceptible to hackers. This trust component will benefit all from developers, new users, and loyal players. With TNC blockchain-based games, players and creators are on the same network. This is in contrast to a private centralized server where conventional games run the game with cheating capabilities and risk for server shutdowns.

### 2.3.4.3 Blockchain-Based Game Potentials

- Flexible and reusable in-game assets
- Transparency of rewards
- Security of tokenized assets and items
- Developers will be part of the network and cannot abruptly change mechanics
- Stable gaming compared to conventional server-based games
- Lower migration cost

### 2.3.4.4 Opportunities for Game Developers

**Gaming Ecosystem**

The mission of TNC is to develop a gaming ecosystem that will utilize TNC Tokens and its blockchain. It will propagate the use, awareness, and understanding of having tokenized game development and gameplay and build a thriving community of gamers, game developers, and enthusiasts.

**Blockchain-based Gameplay**

Conventional server-based games possess instability and are more prone to shutdowns. TNC utilizes blockchain as the solution and develops the TNC mainnet to accommodate the high demands of game developments. Through the TNC blockchain integration, there will be improved game interaction and gameplay. From item storage to efficiency, tokenized incentives and rule transparency, players can have a better game experience than before. Through smart contracts, game developers can set their token preferences

and total token supply. They can also create and customize their tokens on the TNC blockchain and trade these in crypto exchanges.

**Tokenized Gaming Marketplace**

With TNC Mainnet, developers and game designers can tokenize in-game purchases. Developers will allow players to buy and own various items and use them in any games created within the TNC blockchain platform. While TNC is unlikely to change gameplay itself, it will hugely impact the actual in-game experience by providing a more convenient way for users to acquire in-game purchases, earn an additional profit, and build a network with gamers within the community.

## 2.3.4.5 TNC Gaming Token Development

TNC Mainnet is an open-source network primarily engineered for connecting blockchain with game development. Game developers will have the opportunity to create their own tokens from the TNC mainnet as the in-game digital currency of their games.

Developers can customize their own gaming token as TNC-20 by creating a smart contract on the TNC mainnet and fully integrate these as in-game currencies within their own gaming arena and gaming marketplaces.

Furthermore, gaming development is made more accessible and convenient within the TNC network using solidity and TNC Virtual Machine (TVM), a smart contracts byte-code execution protocol. TVM plays a crucial role in the consensus engine, as it allows anyone to execute arbitrary byte codes.
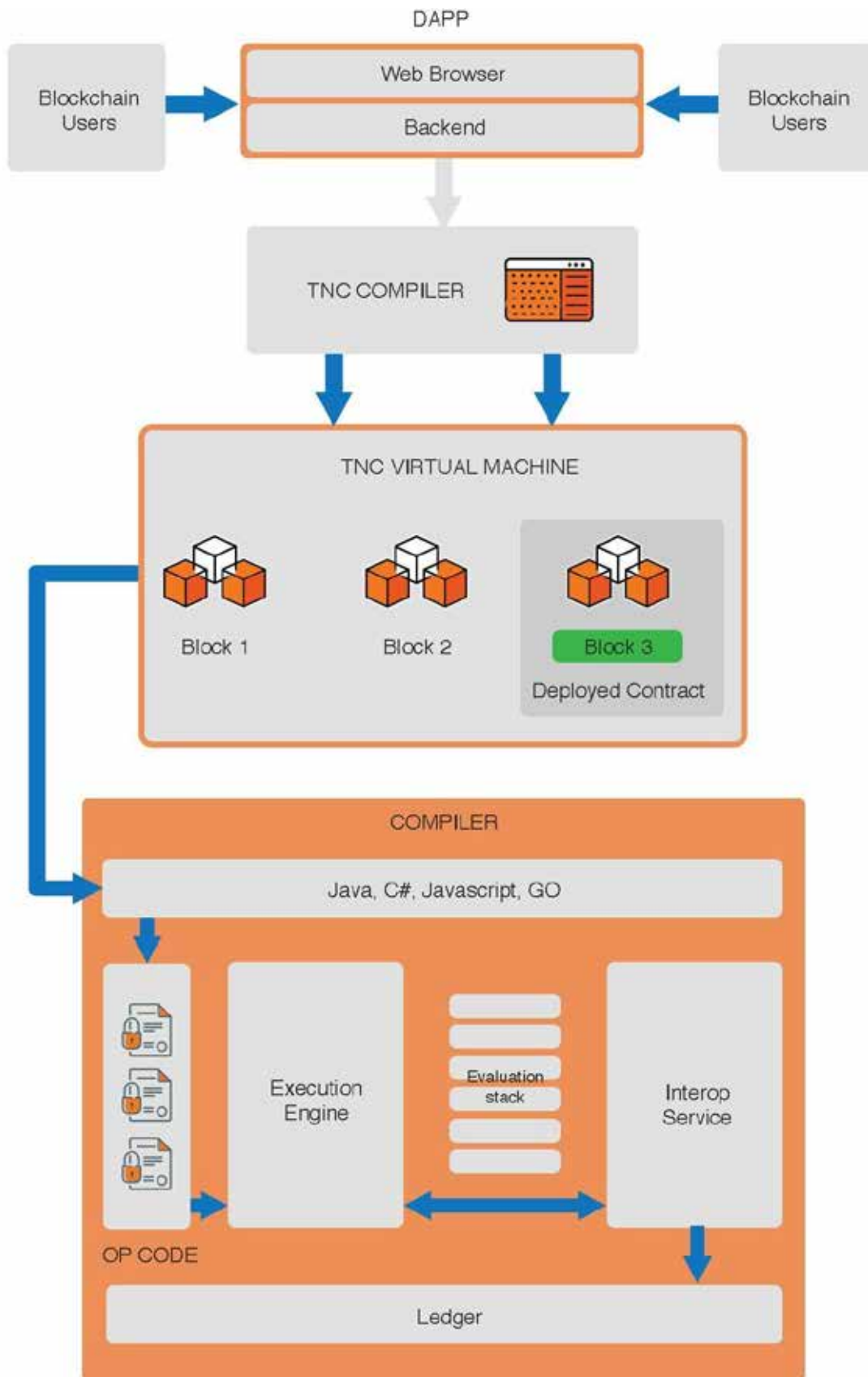
## A. TNC Fume

In gaming developments, there are transactional options for developers to build a project on TNC Mainnet which within the TNC ecosystem is called Fume. A fume is a unit measuring the amount of computational effort to perform transactions. Every operation that will occur within the TNC network will require a determined value of the fume. Fume can be a point system or a currency that can be spent to buy operational power in the network.

When developers start forking from TNC mainnet, developers have the option to choose which transactions to include. They may opt for the 'no transactions' option, or they can choose to randomly select transactions.

Furthermore, developers can select a preferred Fume price based on their allocated budget for Fume spending. Fume Price can be modulated and power capacity can be set for every block.

## B. Game Development Formula

TNC Mainnet will provide a capable infrastructure and network for tokenizing games. It is engineered for games with high performance and high technical demands. TNC makes its convenient for programmers to create decentralized games and applications.

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**Easy Project Creation**

Front-end (HTML-CSS-JS) Website / Application Interface
+
Back-end (Solidity & Smart contract) Programming code
+
Server (Test RPC) Private Blockchain / Main Network

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## C. Token Value

TNC Mainnet paves another avenue for players to earn a cryptocurrency with real value. By converting TNC-based gaming currencies to TNC Coins, players will be able to acquire and utilize TNC Coins. By allowing players to trade, exchange, and withdraw their earn gaming rewards.

Players are deposited into their internal wallets on the TNC ecosystem. These tokens are readily available for serving various purposes such as trading, exchanging in crypto exchanges, and spending on integrated in-game marketplaces. Players are also capable of transferring TNC Tokens from their in-game wallet to their crypto wallet so long as they are TNC-20 compatible, and vice versa.

Moreover, TNC will be able to assist game developers by providing smart contract manuals for application programming interfaces (APIs) and software development kits (SDKs) to allow players to buy digital items by spending TNC Coins.

## 2.4.4.6 Proof-of-Play Protocol

TNC Mainnet will implement the Proof-of-Play protocol. This is a concept similar to Proof-of-Work, but instead of awarding users new tokens based on computing power, this protocol will award based on how much "play" the user has performed. The number of TNC Tokens awarded to the player depends on a variety of factors and dependent on gaming developer's set rules.

## 3. Road Map

### 2019

**Q4 - Setting TNC Coin Website Live**
Publishing of TNC Coin Whitepaper

### 2020

**Q1 - Coin Exchange Listing**
Rank TNC Coin in CoinMarketCap

**Q2 - Selection of advisors and partners selection process**
TNC Mainnet Launching

**Q3 - Alpha testing of TNC Mainnet**

**Q4 - Beta testing of TNC Mainnet**
Launch TNC Virtual Machine

### 2021

**Q1 - Official Launching of TNC mainnet**
Promote TNC gaming mainnet to gaming developers industry leaders and companies

**Q2 - Develop smart contract manuals for application programming interfaces**

**Q3 - Officially launch TNC blockchain development and consultancy services**
Alpha testing of TNC Mainnet

# 4. Disclaimer

## General Information

1. TNC Group is a platform that uses blockchain technology to deliver its service in line with its vision and purpose. The reader must understand that blockchain technology is an open-sourced system and is not an exclusive property of any single person or organization.

2. TNC Group focuses on providing support to all blockchain companies, especially start-ups. The company's goal is to merge over 500 blockchain companies through TNC Crypto program, as well as to provide services such as blockchain consulting, blockchain solutions, the connecting of companies with developers and merging with token companies.

3. TNC Group's native cryptocurrency will be called TNC Token.

4. This whitepaper is used to introduce the TNC Group to the community and to highlight all of its unique features. It only serves the purpose of providing comprehensive information to the reader regarding TNC and nothing more.

5. Every piece of information provided in this whitepaper should be taken by the reader as is, and it is not encouraged for the reader to interpret the information in any other way.

## Risks

1. Blockchain and other similar technologies being used by TNC Group, as cited and described in the whitepaper, are not perfect, and readers are expected to understand that there will be limitations and risks associated with TNC Group's ecosystem. Readers are also expected to agree that should any untoward event occur in the duration of the reader's engagement with the platform, TNC will not be held responsible; as security measures are consistently improved, so are security threats.

2. Possessing TNC Tokens and storing them involves potential risks, including, but not limited to, the chance that the company may not be able to

launch its platform as initially scheduled; and, the company may not be able to develop its blockchain system as initially planned due to many factors including legal, technical, technological, or financial. Therefore, interested TNC Token purchasers are expected to buy the said tokens at their own risk.

## Due Diligence

1. Readers are expected to practice due diligence in reading this whitepaper and in conducting any business with TNC Group, both its platform and its community.

## TNC Tokens

1. TNC Group will have its native TNC Token as a means to allow users access to various features and functionality within its platform, as described in the earlier parts of this whitepaper.

2. TNC Tokens will be given to branches and will be a payment method for TNC Services such as blockchain consultation, development, or marketing.

3. TNC Tokens are available for use in the Buyaladdin shopping platform.

4. All of the details provided in the official announcements shall be considered valid by the readers, and they are discouraged from holding contrary information in the same esteem as TNC Group's official announcements. Users are also discouraged from disseminating any piece of information which is not consistent with TNC Group's official statements.

## No Investment

1. TNC Group does not and will not endorse its TNC Token to the public as investment assets. TNC Tokens function as a utility token which will allow token holders to have access to various features and functionalities within the TNC ecosystem.

## Legal

### Legal Changes

1. The reader must understand that TNC Group is a blockchain-based platform, and the team has uncontested right to revise or change its platform at its sole discretion, without any liability to its users, to comply with changes in laws and regulations about the said technology and its underlying uses.

### Whitepaper changes

1. TNC Group maintains the right, at its sole discretion, to update, revise, or change its whitepaper whenever it deems necessary, and without any accountability to the readers.

2. It is the sole responsibility of the reader to update himself or herself regarding the changes in the TNC Group whitepaper.

## 5. Terms and Conditions

### General Terms and Conditions

You are required to read these terms and conditions carefully before using the services that TNC Group provides. By using our services, you acknowledge that you have read the terms and conditions. Once you agree to the following terms and conditions you are an authorized user of TNC Group's services; failure to do so will imply the opposite. TNC Group reserves the right to change, modify, and or remove portions of these terms at any time for any reason. This section is not in any way an invitation to buy or subscribe for any securities.

Refund Policy The purchaser understands and accepts that all purchases of TNC Tokens are final and may be reversed only in case the minimum sale does not exceed the soft cap. That information will be publicly available at https://tncitgroup.com/. The refunds – if applicable – are to be made on the purchaser's demand solely to the account used by the purchaser for token purchase.

## Miscellaneous

1. TNC Group does not permit individuals under the age of 18 to purchase TNC Tokens.

2. TNC Group and affiliates will not be liable for any delay or failure to perform any obligation under this agreement where the delay or failure results from any cause beyond reasonable control; labor disputes, or other industrial disturbances; electrical, telecommunications, hardware, software, or other utility failures, earthquake, storms or other elements of nature; blockages, embargoes, riots, acts or orders of government; acts of terrorism, or war; changes in blockchain technology (broadly construed), changes in the public blockchain protocols, or any other force outside of TNC Group's control.

3. TNC Group and the purchaser are independent contractors, and neither party nor any of their respective affiliates is an agent of the other for any purpose or has the authority to bind the other.

4. The failure by TNC Group to enforce any provision of this agreement will not constitute a present or future waiver of such provision nor limit TNC Group's right to enforce such provision at a later time. All waivers by the TNC Group must be unequivocal and in writing to be effective.