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EN

Singapore
CrossAngle Pte. Ltd.

Full Disclosure Report

World Data Corporation

Virgin Islands (UK)
(Country or jurisdiction of incorporation) (Entity Registration Number)

(Address, including zip code, including area code, of principal executive offices)

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WHERE YOU CAN FIND MORE INFORMATION

Readers and others should note that the company announces material information to the public using the company website, press releases, public conference calls, and webcasts. They may also use the following social media channels as a means of disclosing information about the company, products, planned financial and other announcements and attendance at upcoming investor and industry conferences, and other matters.

Channels	Address
Company Website	https://bandprotocol.com/
Main communication channel	telegram
Twitter	https://twitter.com/bandprotocol
Company Blog	https://medium.com/bandprotocol
Facebook	https://www.facebook.com/BandProtocolTH/
Linkedin	https://www.linkedin.com/company/band-protocol/
Github	https://github.com/bandprotocol
Reddit	https://www.reddit.com/r/bandprotocol/
Telegram	https://t.me/bandprotocol
WeChat	
KaKaoTalk	
Custom Link	

The information posted through these social media channels may be deemed valid. Accordingly, the public should monitor these accounts and the blog, in addition to following company press releases, conference calls, and webcasts. This list may be updated from time to time and these channels may be updated without notice.

Company Representative (Report Data Submitter)

Name	Position	Office Phone Number	Telegram ID
Soravis Srinawakoon	CEO		@soravis

PART I. Corporate Profile

ITEM 1. Basic Corporate Profile

Official Company Name	World Data Corporation
Establishment Date	
Jurisdiction of Incorporation	Virgin Islands (UK)
Principal Office Location	
Address of Official Company Registration	Portcullis Chambers, 4th Floor Ellen Skelton Building, 3076 Sir Francis Drake Highway, Road Town, Tortola, British Virgin Islands VG1110
Company Name for Website Display	Band Protocol
Description of Company	Band Protocol is a secure and scalable decentralized oracle, serving as a layer-2 protocol on public blockchains. It allows dApps to leverage existing data on the internet without trusted intermediaries, bridging the use cases between Web 2.0 and 3.0. Band's unique multi-token model and staking mechanism ensure that data is free from manipulation. By making data readily available and reusable on-chain, Band Protocol offers a cheaper and faster solution compared with alternatives, all without compromising security. Developers using Band Protocol will be able to build a wider range of dApps with integration to off-chain financial data, reputation scores, identity management systems, and much more, bringing blockchain closer to mass adoption.
Company Website	https://bandprotocol.com/
Whitepaper Link	https://bandprotocol.com/whitepaper-latest.pdf
Mission and Vision	PROJECT MISSION Band Protocol aims to be the go-to data infrastructure layer for Web 3.0 applications by providing decentralized, curated off-chain data to smart contracts through oracles managed by its dPoS consensus mechanism. VALUE PROPOSITION - Band Protocol offers a fast, low-cost, and synchronous query model for decentralized applications. - Through dPoS consensus mechanism, Band Protocol offers a decentralized network where data providers have both money and reputation at stake. - The BAND token aims to capture the network value of Band Protocol, rather than just being a simple payment token.

ITEM 2. Team

2.1 Executives & Founders

The following sets forth certain information regarding the company's executive officers and founders, their details and positions as of 2020-08-18

Soravis Srinawakoon

Position Title	CEO
Short Bio	M.S. in MS&E and B.S. in CS from Stanford. Former Management Consultant at BCG, Forbes 30 Under 30.
Experience	
Education	Stanford University / Master of Science (M.S.), Management Science and Engineering Standford University / Bachelor of Science (B.S.), Computer Science
Company e-mail	soravis@bandprotocol.com
Social	in @https://www.linkedin.com/in/soravis-srinawakoon-91098259/

Sorawit Suriyakarn

Position Title	CTO
Short Bio	Former Developer at Hudson River Trading, Software Engineer at Quora and Dropbox. M.Eng./S.B. in EECS from MIT.
Experience	
Education	Massachusetts Institute of Technology / Master of Engineering, Electrical Engineering and Computer Science (6-P), 5.0/5.0 Massachusetts Institute of Technology / Bachelor of Science, Computer Science and Engineering (6-3), 5.0/5.0
Company e-mail	swit@bandprotocol.com
Social	@https://twitter.com/nomorebear @linkedin.com/in/sorawit @https://github.com/sorawit

Paul Nattapatsiri

Position Title	CPO
Short Bio	Former Web Developer at Turfmapp, Engineer at Trip Advisor. Asia-Pacific Informatics Olympiad Bronze Medalist.
Experience	
Education	Rensselaer Polytechnic Institute / Bacherlor of Science (BS), Computer Science
Company e-mail	paul@bandprotocol.com
Social	@https://www.linkedin.com/in/paulnattapatsiri/ @https://github.com/smiled0g

2.2 Engineering Team Leaders

The following sets forth certain information regarding the company's development and engineering leaders, their details and positions as of 2020-08-18

Sorawit Suriyakarn

Position Title	CTO
Short Bio	Former Developer at Hudson River Trading, Software Engineer at Quora and Dropbox. M.Eng./S.B. in EECS from MIT.
Experience	
Education	Massachusetts Institute of Technology / Master of Engineering, Electrical Engineering and Computer Science (6-P), 5.0/5.0 Massachusetts Institute of Technology / Bachelor of Science, Computer Science and Engineering (6-3), 5.0/5.0
Social	@https://twitter.com/nomorebear @https://www.linkedin.com/in/sorawit/ @https://github.com/sorawit

2.3 Advisory

The following sets forth certain information regarding the company's advisories, their details and positions as of 2020-08-18

No data available

2.4 Organization Structure

The following sets forth certain information regarding the structure of the company as of 2020-08-18

Name of Department/Group/Office/etc.	Number of Full-Time Staff	Number of Part-Time Staff	Head of Department (Maybe left blank)
Software Engineer	6	0	
Commercial	4	0	
Total	10	0	

PART II. Business Information

ITEM 1. Industry Classification

Not Applicable

Sector	
Industry	
Sub-industry	
Categories	1. De-fi 2. Oracle

ITEM 2. Industry Description

2.1 Industry Overview

As DeFi projects become more widely adopted, price data oracles also follow the suit. With the lead of ChainLink, MakerDAO, and Band Protocol, the decentralized oracle space has seen tremendous growth in development and market size in the past year alone, with a positive outline going forward.

2.2 Recent Trends

(1) MakerDAO Introducing Oracles V2 and DeFi Feeds

In June 2017, with the introduction of Sai, the Maker Foundation released the first decentralized Oracles on the Ethereum mainnet. Since then, there has been widespread organic adoption of the Maker Oracles, fueling the growth of the emerging DeFi ecosystem. Today, the Maker Foundation is proud to announce the next generation of decentralized Oracles, Oracles V2. Utilizing the lessons learned over the past two years, Oracles V2 was built from the ground up to optimize for scalability, decentralization, resiliency, latency, and cost.

2.3 Target Market Size

It is difficult to accurately size the market for data oracles for crypto startups. However, ChainLink has demonstrated that with current adoption and utilization, the data oracle space can be valued at more than 1 billion USD with just one company alone. As the blockchain industry becomes more mature, this number will likely grow rapidly as the result of more smart contract utilization.

2.4 Target Customers

Band Protocol data oracle targets blockchain developers and decentralized application projects who need access to reliable off-chain information to power their smart contracts.

2.5 Competitors

2.5.1 Existing Industry Competitors

The following sets forth certain information regarding the company's conventional competitors already established within the industry as of 2020-08-18:

No data available

2.5.2 Token Project Competitors

The following sets forth certain information regarding the company's competitors that have implemented Token economics as of 2020-08-18:

ChainLink

Token Symbol	LINK
Network Type	ETH
Description	Chainlink is a decentralized oracle network that enables smart contracts to securely access off-chain data feeds, web APIs, and traditional bank payments. Chainlink is consistently selected as one of the top blockchain technologies by leading independent research firms such as Gartner. It is well known for providing highly secure and reliable oracles to both large enterprises (SWIFT) and leading smart contract development teams.

ITEM 3. Project's Business Model

3.1 Business Description

3.1.1 Revenue Model

Band uses "work token" model for the oracle. Data providers must stake dataset tokens in order to provide data and earn the query fees.

3.1.2 Platform or Application Overview

General platform description

Band Protocol strives to become the go-to decentralized oracle for dApps across multiple blockchain networks by ensuring maximum security, speed, and low cost.

Functions of the solution

Band Protocol offers data oracle to decentralized applications on blockchains.

User pain points

To be secure and useful, it is imperative that smart contracts have access to reliable real-world data. For example, all prominent decentralized finance projects rely on a price oracle to function and receive precise time-sensitive data. Betting dApps determine payouts based on a verifiable random number or real-world event from an oracle. To ensure complete decentralization, there must be a secure bridge between trustworthy off-chain data and dApps.

Although there have been multiple attempts to solve this problem, most projects either (1) are insufficiently decentralized by design, (2) are difficult for developers to integrate with or (3) lack economic incentive for data providers to sustainably feed high-quality information.

Band Protocol provides a cheaper, faster, and easier-to-integrate decentralized oracle that solves all the problems above.

3.1.3 Product/Service Line Description

· Decentralized Data Oracle on Ethereum Mainnet

The initial version of Band Protocol is LIVE and operational on Ethereum Mainnet! DApp developers and decentralized application projects can now utilize price information on Band Protocol's Financial dataset to create the next-gen DeFi applications that are secured with the economic guarantee to ensure the integrity of the input financial data.

· Decentralized Data Oracle on Ethereum Kovan Testnet

Get dApp developers up to the speed, experiment and get an understanding of Band data feed operation, how applications using those data feeds behave and observe community governance processes on the Kovan testnet.

· Developer Documentation

Learn how to integrate a Band oracle in just four lines of code. The developer documentation underlines all the necessary technical detail the developers need to know to start integrating Band Protocol.

· Data Governance Portal

The web portal to securely interact with the Band Protocol staking and data oracle. Setup a Band wallet, acquire dataset tokens and elect data providers through staking of the dataset tokens — allowing users to earn cash flow rewards and ensure the overall quality of data is maintained.

3.1.4 Competitive Advantage

Band Protocol offers a decentralized data oracle by making data readily available to be queried on-chain, using delegated proof of stake ("dPoS") to ensure data integrity. Band Protocol pioneered the following features which make it better than competitors:

- Decentralized economic incentive: Band Protocol is designed to let data providers have economic and reputation at stake to remain honest.
- Low-cost: Band's smart contracts are optimized for gas usage.
- Scalable: Costs for data providers remain constant regardless of how many dApps are using their data. Once a data point is put on-chain, multiple smart contracts can consume the data without added cost to data providers.
- Fast data query: Logic can be processed within one transaction, requiring no blockchain confirmation. Data is readily available on the blockchain so consuming data can be done synchronously within the same transaction.
- Easy deployment: dApps can integrate with Band Protocol using a few lines of code with no major modification. Querying data on Band dataset requires only a function call on a predefined interface.

3.1.5 Intellectual Property

No Input

3.2 Partnerships

▸ **CertiK**

Counterparty Website	https://www.certik.org/
Counterparty Description	CertiK is a blockchain and smart contract verification platform founded by top Formal Verification experts from Yale and Columbia University. CertiK mathematically proves blockchain ecosystem and smart contracts are hacker-resistant and bug-free at scale. CertiK has secured over $4B in asset value, auditing several projects across all major protocols, including BNB, Terra, Crypto.com, and TUSD.
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	With the security and robustness of Band Protocol's implementation a top priority, CertiK was engaged to audit and secure Band Protocol's repositories and smart contracts, due to their widely trusted reputation for quality assurance in the industry. Furthermore, Band Protocol and Certik will be collaborating to chart a way forward for a more secure oracle framework. Ultimately we will be working together to build new standards and alternatives for oracles — one optimised not just for decentralization and performance, but for security as well. Together, CertiK and Band Protocol recognize that there is a path forward for significant improvement across the landscape. By removing overdependence on oracles and securing otherwise vulnerable central points, we intend to create a superior security framework across the industry leveraging our holistic decentralized data management approach and utilizing Certik's industry-leading Formal Verification tools.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ **Wanchain**

Counterparty Website	https://www.wanchain.org/
Counterparty Description	Wanchain is the infrastructure connecting the decentralized financial world. Wanchain's live cross-blockchain solution is EVM-based, includes optional private transactions, and provides a decentralized, permissionless, and secure approach for interoperability. Wanchain has employees globally with teams in Beijing (China), Austin (USA), Kuala Lumpur (Malaysia), and Madrid (Spain).
Applicable Dates	

Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	As part of its technological needs to expand its capability, Wanchain aims to provide decentralized applications the ability to leverage real-world input such as financial market data, real-world events or IoT devices, as well as interface with legacy financial infrastructure, payment gateways, and Web 2.0 APIs. By integrating with Band Protocol, WanChain will have faster, cheaper, more secure and easier-to-integrate oracles available on its platform for developers to utilize and build upon. Likewise, Band Protocol will benefit from being integrated into an ecosystem that supports a high degree of interoperability, providing more flexibility for end-users to interact with the protocol, which should lead to new solutions becoming available to provide greater adoption of Band Protocol. In addition to its plan to integrate Band Protocol, Wanchain is also committed to long term and multi-faceted cooperation with Band. The two organizations intend to work together to promote the establishment of new and exciting decentralized applications and use cases that make full use of real-world data. Other applications utilizing Band Protocol’s event data feeds and interoperable capabilities will also be explored. Wanchain will also help Band Protocol by leveraging its rich global resources and community and will aid Band Protocol in its expansion and community building efforts as the protocol continues to grow in functionality.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ **Elrond**

Counterparty Website	https://elrond.com
Counterparty Description	Elrond is a new blockchain architecture, designed from scratch to bring a 1000-fold cumulative improvement in throughput and execution speed. To achieve this, Elrond introduces two key innovations: a novel Adaptive State Sharding mechanism, and a Secure Proof of Stake (PoS) algorithm, enabling linear scalability with a fast, efficient, and secure consensus mechanism. Thus, Elrond can process upwards of 10,000 transactions per second (TPS), with 5-second latency, and negligible cost, attempting to become the backbone of a permissionless, borderless, globally accessible internet economy.
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	Band Protocol offers a unique approach to decentralized data management with oracles by making data readily available to be queried on-chain, using delegated proof of stake to ensure data integrity and security — as data providers have both economic and reputational benefit at stake. By Elrond supporting this model of oracle with a Band integration, it is providing developers building dApps on its platform with a viable approach to interacting with real-world data securely feeds and create connections to legacy Web 2.0 APIs, while minimizing centralizing points of failure. Band Protocol enables instant, cheap and synchronous off-chain data query for decentralized applications, that is an improvement over current oracle designs that are either centralized or asynchronous. By providing developers with even more tools and resources to use on Elrond, the use cases and level of utility of applications are able to be expanded and become more valuable. Likewise, for Band Protocol it will gain more alternatives for users of the protocol to build on and access an ever-growing pool of developers and technical resources for new applications to be realized.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ **TomoChain**

Counterparty Website	https://tomochain.com/
Counterparty Description	TomoChain is built on a performance layer that achieves high transaction speeds without compromising decentralization. TomoChain uses an innovative consensus method called PoSV (Proof of Stake Voting) which gives an incentive to all TomoChain token-holders to play an active part in staking across a network of 150 high-quality masternodes, and to monitor their performance and governance actively. Its staking-governance dapp, TomoMaster, is recognized as one of the leading staking platforms in the industry. https://tomochain.com/
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	TomoChain is a compelling blockchain for developers seeking to build new decentralized applications that balance fast transaction speeds without compromising on decentralisation. Its governance model incentivises token-holders to participate in staking and relies on a system of 150 Masternodes with Proof of Stake Voting (PoSV) consensus that can support near-zero fees and 2-second transaction confirmation times. What this means: 1. Band Protocol will be integrated into another blockchain — TomoChain with a strong focus for enterprise adoption Integrating Band Protocol's data oracle platform into TomoChain will enable faster, easier-to-integrate, cheaper, and more secure oracles to be available on another blockchain platform for developers to use. Band Protocol's superior design allows dApps to synchronise real-world data feeds via a decentralised governance model, — making it a more ideal option over current oracle designs that are either centralised or asynchronous. Moreover, Tomochain has a strong focus on enterprise adoption. With Band Protocol oracle design, enterprises are now able to leverage smart contracts, connected to real-world API, to automate their processes and improve efficiency. We are excited to enable more expansive use cases of oracle and smart contracts. 2. Band Protocol and Tomochain will benefit from each others' technologies Ultimately, by providing more tools and allowing complementary protocols to work alongside each other, the capability and utility of both our respective technologies will be enhanced. 3. Introducing Band Protocol to a new pool of users and developers across Vietnam and Southeast Asia Band Protocol's expansion into new market opportunities and blockchain communities will also be assisted by TomoChain's strong and ever-expanding reach in Vietnam and nearby regions. Both project teams will work closely together to educate developers and foster local blockchain adoption in emerging developer hubs throughout Southeast Asia.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ CoinGecko

Counterparty Website	https://www.coingecko.com/en
Counterparty Description	Since 2014, CoinGecko has been the trusted source of information by millions of cryptocurrency investors. Its mission is to empower the cryptocurrency community with a 360-degree overview of the market. CoinGecko provides comprehensive information from thousands of data points such as price, trading volume, market capitalization, developer strength, community statistics and more. It currently tracks over 5,700 tokens from over 380 exchanges. For more information, visit https://www.coingecko.com.
Applicable Dates	

Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	CoinGecko will be a data provider for Band Protocol's on-chain oracles. CoinGecko's data feed will supply Band Protocol with a reliable source of cryptocurrency market data for use by decentralized application developers. "The opportunity to work with Band Protocol to expand our business into DeFi is logical, given the huge uptake we have seen in the space over the past year. For us, it presents an intriguing potential new avenue for revenue that will utilise our existing infrastructure. We are excited to support this initiative and will be working closely with the Band team to help improve the product over time." — TM Lee, Co-founder of CoinGecko CoinGecko will work closely with Band Protocol to use its data feeds to supply the protocol with a reliable data source and assist them to integrate into the protocol as a data provider. Data providers in Band Protocol earn a portion of the query fee generated each time their data is used on-chain in the connected smart contract — paid by the decentralized application utilizing it. "We hope that through Band Protocol, CoinGecko and other data centric businesses can be provided with a new method to earn income and expand their business verticals into the decentralized economy. We are very happy to have CoinGecko on board as their reputation in the cryptocurrency community is outstanding and supporting their success will help pave the way for future industry adoption." — Soravis Srinawakoon, CEO, Band Protocol CoinGecko will be committed to supporting the wider governance process and development of protocol standards such that Band Protocol can continue to receive constructive feedback from data providers, allowing Band Protocol to continue to grow and provide the tools needed for the applications of the future in the decentralized web 3.0.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ **WoodStock**

Counterparty Website	https://woodstockfund.com/
Counterparty Description	Woodstock Fund is a Multi-Asset Investment Firm focussed on investments in Distributed Ledger Technology (DLT). We invest in tokens (Utility & Security), Equity & Convertibles in both listed & unlisted space. We work alongside diligently with our portfolio companies to help them scale and grow their ecosystem. Woodstock Fund's current investments include Holochain, Elrond, Casper Labs, Band Protocol, Marlin Protocol & Helis Network.
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	Woodstock is joining the Band Protocol ecosystem as a data provider and as a future BandChain validator node. Woodstock is an international multi-asset investment firm with a focus on distributed ledger technology, decentralized finance and web 3.0. With an extensive international network and strong base of operations in India, Woodstock will work alongside Band Protocol to expand use cases and drive partnerships with global projects. Woodstock will work closely with Band Protocol to run Band Protocol node software as an accountable and reliable source to feed high-quality cryptocurrency, foreign exchange, and stock data. Additionally, Woodstock will be joining the BandChain ecosystem as a validator node upon its launch. Through Band Protocol, Woodstock and other multi-asset investment firms are able to

support the wider decentralized governance process and participate in the development of protocol standards. Woodstock brings both diversity and capability in driving oracle adoption. In addition, Woodstock has been one of our more active investors who connect local and international enterprises to Band Protocol.

Expected Benefits to Project Team	
Expected Benefits to Counterparty	

‣ Portal Network

Counterparty Website	https://www.portal.network/#/
Counterparty Description	The Domain Name System (DNS) has shaped the centralized web as we know it today by turning IP addresses (1.111.123…) into domain names (myname.com). Portal Network believes the Blockchain Name System (BNS) will shape the decentralized web of tomorrow by turning hashes into easily recognizable and memorable blockchain names. Portal Network's mission is to provide the tools necessary to empower developers and users to create new value within the blockchain ecosystem, driving widespread adoption of decentralized technology.
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	Band Protocol's smart contracts will be integrated into Portal Network's KAIZEN plugin to help developers easily deploy dataset governance services. KAIZEN is a one-stop solution for dApp and decentralized web developers where you can develop and manage decentralized technology on one platform. This includes being able to customize an existing blockchain to fulfil developer requirements and easily build a blockchain on popular cloud providers. Band Protocol enables instant, cheap and synchronous off-chain data query for decentralized applications as opposed to current oracle designs that are either centralized or asynchronous. As such, the availability of Band Protocol is broadened to all the developers under Kaizen ecosystem while also streamlining the integration process.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

‣ 2key Network

Counterparty Website	https://www.2key.network/
Counterparty Description	2key Network is a layer-two scalability solution that enables eased transitioning from the Web 2 to the Web 3. By simply clicking on a Smart Link, a proprietary technology created by 2key, a user's browser is turned into a node with a noncustodial wallet. Smart Links are a business solution that transforms web links for the decentralized web. The protocol powering them offers multi-step tracking that allows businesses to embed economic models into links representing their web domains and business goals. The 2key Network empowers businesses to compensate their fans, followers, clients, customers, etc. for helping them grow their business and achieving business results
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	2key Network's smart contracts will be integrating Band Protocol's decentralized on-chain feed to get the exchange rates between DAI and more volatile assets such as ETH and 2KEY. This allows 2key users to withdraw payouts in any supported tokens through the 2key Exchange Contract. It is important to note that the 2key Exchange Contract needs access to reliable price oracle. Otherwise, it would have to rely on price information from decentralized exchanges (DEX), which can be vulnerable to sandwich attacks (buying and selling in the same

	transaction to manipulate price on-chain). Band Protocol will be working with 2key Network to bring off-chain sales conversions onto the blockchain. For any successful sales made through an online vendor, the 2key smart contract needs an oracle to validate that the transaction actually happens off-chain before paying out rewards. Band Protocol's oracle enables a secure and scalable interface between Web 2.0 and Web 3.0 for the 2key ecosystem. Additionally, Band Protocol's data provider ecosystem will have 2key Network's Smart Links deployed as a means for sourcing curators/voters. As such, smart link sourced stakers will receive a portion of the query fees collected by the data provider as a conversion reward.
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

▸ DeSquare

Counterparty Website	http://www.desquare.io/
Counterparty Description	DeSquare is a value-driven startup accelerator strategically positioned to solve the three biggest challenges of early-stage blockchain startups: lack of transparency, utility, and adoption. With an emphasis in APAC region, the company provides seed investment, fundraising, mentorship, and global enterprise partnerships to contribute to building the ecosystem with tangible value. Since the beginning of 2019, DeSquare collaborated with more than 10 projects, successfully facilitated more than 4 million dollars in funding and global enterprise collaboration to the startups
Applicable Dates	2019-10-31 ~
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	DeSquare will work closely with Band Protocol to run Band Protocol node software as an accountable and reliable source to feed high-quality cryptocurrency, foreign exchange, and stock data. Additionally, DeSquare will be joining the BandChain ecosystem as a validator node upon its launch. Through Band Protocol, DeSquare is provided with an external source of income and expansion across business verticals. DeSquare and other global accelerators are able to support the wider governance process and participate in the development of protocol standards. In addition, DeSquare will become our official partner in Korea who spearheads our enterprise adoption — connecting Band oracle and solution to top enterprises and blockchain ecosystem in Korea. This will allow many enterprises to create and pilot blockchain solution that is fully connected to external API, enabling expansive use cases of blockchain technology. Korea is one of our key markets with a strong penchant for blockchain adoption, we are very excited to be working closely with a strong local partner and together drive toward more adoption in the coming year.
Expected Benefits to Project Team	DeSquare will work closely with Band Protocol to run Band Protocol node software as an accountable and reliable source to feed high-quality cryptocurrency, foreign exchange and stock data.
Expected Benefits to Counterparty	Through Band Protocol, DeSquare is provided with an external source of income and expansion across business verticals. DeSquare and other global accelerators are able to support the wider governance process and participate in the development of protocol standards.

▸ Fantom

Counterparty Website	http://fantom.foundation/
Counterparty Description	Fantom is a set of open-source tools to build all kinds of distributed ledger related products with a focus on building the best consensus to be used as a module by those who wish to create a distributed ledger for their needs.
Applicable Dates	2020-03-19 ~

Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	

Band Protocol announced that Band Protocol will be integrated into Fantom's Opera Mainnet and act as the supporting oracle for various government and decentralized financial applications such as lending, borrowing, and synthetic assets.

Additionally, as all know that cryptocurrency and FTM price can be volatile, Band's oracles will dynamically specify the correct FTM amount to stake as collateral to mint fUSD to borrow synthetics or lend to earn additional returns.

Michael Kong, CTO of Fantom, stated that "Oracle services such as Band Protocol are critical for establishing secure, decentralised data feeds that can be used confidently by developers to build high-performing dAPPs. It has been fantastic working with Band Protocol to provide these tools to the community."

Expected Benefits to Project Team

Expected Benefits to Counterparty

▸ Frontier

Counterparty Website: https://frontierwallet.com/

Counterparty Description

Frontier is a Decentralised Finance wallet that enables users to track, view and manage their positions across DeFi protocols and provides a unified view of all the Ethereum assets and activities associated with Ethereum addresses without giving the private keys in a non-custodial way.

A user currently has to manage multiple addresses on multiple platforms, to track and access information about their assets and data a user has to navigate to these platforms individually. Frontier ties in the info of all of your addresses, wallets, and data, associated with DeFi and ERC20 tokens at one mobile app, bringing 'DeFi at your fingertips'

Applicable Dates	2020-06-05 ~
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	

On June 5th, Band Protocol announced a strategic partnership with Frontier Wallet. Frontier Wallet has integrated full support of the BAND token into their mobile application which will safely allow users to directly store and stake BAND tokens for BandChain's validators.

Frontier Wallet will be supporting BandChain immediately from the mainnet launch on June 10 with a storage and staking guide to be released on the [Frontier Blog](https://blog.frontierwallet.com/) shortly thereafter.

Expected Benefits to Project Team

Expected Benefits to Counterparty

▸ Waves

Counterparty Website: https://wavesprotocol.org/

Counterparty Description

Waves protocol is an open blockchain environment for DeFi applications and other dApp cases, combining both security and high transaction speeds for a wide range of on-chain operations and featuring a community-driven monetary policy.

Waves supports development of dApps of any kind thanks to the protocol's purpose-designed programming language, Ride. Ride offers formal verification with flat fees and no gas, resulting in low and predictable operating costs and a zero failure rate for transactions.

Applicable Dates	2020-07-08 ~
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	

On June 8th, Band Protocol has strategically partnered with Waves Platform. Both teams have been working together to integrate Band Protocol's decentralized and customizable oracles having completed bridge implementation and work with various Web 3.0 applications in the Waves ecosystem.

Developers, enterprises, and many other ecosystem players on Waves can permissionlessly utilize Band Protocol to connect to any external data source or API using BandChain's customizable oracle script that is built for flexibility, modularity, and scalability.

As strategic partners, both teams will work towards a common mission of securing smart contracts and decentralized applications in the Waves ecosystem through reliable, low-cost, scalable, and easy-to-integrate oracles provided by Band Protocol.

Expected Benefits to Project Team

Expected Benefits to Counterparty

▸ ICON Network

Counterparty Website	http://icon.foundation/
Counterparty Description	ICON is a decentralized public blockchain network with a focus on governance and interoperability. Headquartered in Seoul, ICON's technical partner, ICONLOOP, a blockchain services company, focuses its efforts on developing decentralized identification solutions for enterprises. ICON's key achievements thus far include a novel consensus mechanism (LFT2), an interoperability standard (BTP), a decentralized governance mechanism (DPoC), and a scalable, flexible, and smart-contract enabled public blockchain powered by ICX.
Applicable Dates	2020-07-22 ~
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	

On July 22nd, ICON Network has strategically partnered and chosen Band Protocol to provide secure and verified data oracles for its rapidly growing decentralized application ecosystem. Both teams have been working together to integrate Band Protocol's decentralized oracles that have been fine-tuned for the needs of numerous leading DApps in the ICON ecosystem. This collaboration is extendable into using Band Protocol to support ICON's multi-faceted network of established enterprises and government agencies.

With the bridge implementation completed on ICON Network, Band Protocol has been officially added into the ICON Developer Portal, providing the tools for developers to create and utilize custom data oracle scripts to securely build decentralized applications in a scalable manner. ICON developers starting from today will have complete access to the BandChain decentralized oracle network and can begin utilizing various price feeds or build a custom oracle script of their own specification.

Both ICON and Band Protocol teams will work together in the long-term as part of this strategic partnership with the goals of securing smart contracts and all decentralized applications in the ICON ecosystem by reliably connecting smart contracts to external data sources. This includes providing engineering support for the projects looking to integrate Band Protocol's decentralized oracles.

Expected Benefits to Project Team

Expected Benefits to Counterparty

▸ **BALANCED**

Counterparty Website	https://balanced.network
Counterparty Description	Balanced is a DAO (Decentralized Autonomous Organization) consisting of a decentralized balance sheet of ICX collateral, with the vision of creating a vibrant ecosystem of tokens pegged to the value of real-world assets. It allows users to mint and retire pegged assets, while also providing market makers with clearly defined arbitrage opportunities. The initial iteration of Balanced will support the minting and retiring of USD-pegged assets referred to as ICON Dollars (ICD).
Applicable Dates	2020-07-27 ~
Does this partnership has an expiration date?	No
Revenue Generation	No
Expected Revenue (USD)	N/A
Partnership Description	Band Protocol announced a new partnership with Balanced, Decentralized financial platform for stablecoin and synthetic assets, for Collateral & Synthetic. The partnership will allow the Balanced 's users to deposit their ICX as collateral and borrow tokens pegged to the value of real-world assets. Also, Balanced will be using Band Protocol to query the ICX/USD price feed from five unique and trusted data sources: Binance, OKEx, Upbit, Huobi and CoinGecko. Additionally, Band Protocol will be used to access premium and credentialed APIs that provide accurate price feeds for synthetic assets such as Gold, Oil, ETFs and various stocks. The specific assets will be nominated by the community of Balanced Token holders which Band Protocol will be able to support due to the scalability and customizable nature of BandChain oracle scripts, regardless of the chosen direction. Through Band Protocol’s deep collaboration with Balanced and the strategic support of ICON Network, this is the first step to unlocking and securing a multi-billion dollar DeFi ecosystem on ICON through the provision highly scalable and flexible oracles that are fine-tuned to any decentralized application’s needs. `![Image for post](https://miro.medium.com/max/60/0*ib_E1JYYGdLBMDAL?q=20)`
Expected Benefits to Project Team	
Expected Benefits to Counterparty	

3.3 Project Progress

History

When Band Protocol was founded in 2017, the vision was simple yet ambitious: provide trustworthy and reliable data to the open internet. Fast forward over more than two years, our core vision remains the same.

Today, our protocol functions as an open standard for connecting blockchain applications with reliable off-chain data. We have launched the first version of Band Protocol on Ethereum Mainnet, and are on track for expanding to other high-performance blockchains.

Project Status

Operational

Development of the platform and business operations have been or will be funded through the following sources

Initial token sale(Public and Private)

Plan or Strategy to expand platform or token

Band Protocol is blockchain-agnostic by nature and will expand to other blockchains through the integration with BandChain. By leveraging the same set of data providers, we will bring datasets across multiple blockchain networks without compromising the security and integrity of the data.

3.4 Milestones

Title	Target Date	Status	Description
Integarte with Initial Data Providers across Asia	2019-10-22	Completed	Band Protocol has integrated financial data from CoinGecko, DeSquare, Woodstock Fund and one of the largest staking pools in China to their feed. Data oracles are an essential layer that connects real-world data and API to the smart contracts that power decentralized applications. Over the past three weeks, data providers have already contributed price information for the initial financial dataset (XFN), which includes BTC/USD and ETH/USD. Since then XFN has seen a 350% increase in market cap and more than 2,000 on-chain data queries have already been made by dApps.
Financial Dataset Token Distribution	2019-10-08	Completed	With a successful launch of the Band Protocol mainnet on September 30th, we have released the first dataset operated on Band Protocol, Financial dataset tokens (XFN). Multiple steps were taken to ensure a fair and wide initial distribution of the XFN tokens to facilitate stable and secure operating conditions for the price oracle. 10,000,000 XFN is minted initially using BAND token from our ecosystem reserve, part of which has been airdropped to all wallets connected to the Band Data Governance Portal.
Mainnet Launch	2019-09-30	Completed	We officially announce the launch of the first version of Band Protocol on Ethereum Mainnet! This past year has seen many milestones including the successful fundraising on Binance Launchpad earlier this month, and we are very pleased to deliver this next milestone as initial capabilities of Band Protocol go live on the Ethereum network.
Initial Exchange Offering on Binance	2019-09-17	Completed	Band Protocol has successfully completed our Initial Exchange Offering (IEO) on Binance Launchpad where users staked BNB tokens to participate, raising a total of $5,850,000 USD (282,207 BNB) in return for BAND tokens. A total of 16,321 out of 35,579 participants won the lottery draw and the rest 19,258 participants will receive BAND tokens from the 631,800 BAND tokens ($300,000 USD) airdrop. All 35,579 token holders have now joined its growing ecosystem for their role in expanding the community and adopting the first end-user Band applications in BitSwing, the first trustless Binary Options platform utilizing Band Protocol real-time price feed and Coinhatcher, a community-curated cryptocurrency news feed.

3.5 Use Case

(1) Band Protocol integrates with top four data providers across Asia

Date	
Type	Business: Adoption and commercialization
Name of main counter-party	CoinGecko, DeSquare, Woodstock and one of China's largest staking pools.
Involved companies or organizations	
Category	
Main Participant	
List of others involved	
Description of blockchain application	Band Protocol has integrated financial data from CoinGecko, DeSquare, Woodstock Fund and one of the largest staking pools in China to their feed. Data oracles are an essential layer that connects real-world data and API to the smart contracts that power decentralized applications. Data feed reports from the four data providers are now available on https://xfn.bandprotocol.com.

3.6 Legal Concerns

No data available

PART III. Financial Information

ITEM 1. Equity Shareholders

The following sets forth company cap table of equity shareholders of the organization with more than 5% stake as of 2020-08-18
Number of Shares Outstanding:

Shareholder Name	Title or Relations with Company	Percentage of Total Outstanding Shares	Number of Shares
No data available			

ITEM 2. Equity Funding History

2.1 Equity Funding Rounds

Transaction Name	Announced Date	Number of Investors	Money Raised (In USD)	Lead Investors
No data available				

2.2 Extraordinary Relations with Company

The following sets forth companies and organizations with extra-ordinary relations with company as of 2020-08-18

Company Name	Country of Incorporation	Start Date	End Date	Relationship Details
No data available				

ITEM 3. Financial Disclosures

The following are simplified and condensed financial statements submitted by the company for disclosure last updated on 2020-08-18:

3.1 Simplified Income Statement

○ Year ◉ Quarter

(USD)
Revenue
Cost of Goods Sold (COGS)
Gross Profit
Operating Expenses (SG&A)
Other Revenue & Expenses
Operating Income

3.2 Simplified Balance Sheet

○ Year ◉ Quarter

(USD)
Fiat
Cash & Equivalent
Total Fiat & Cash
Digital Asset
Book Value of All Assets

3.3 Key Ratios

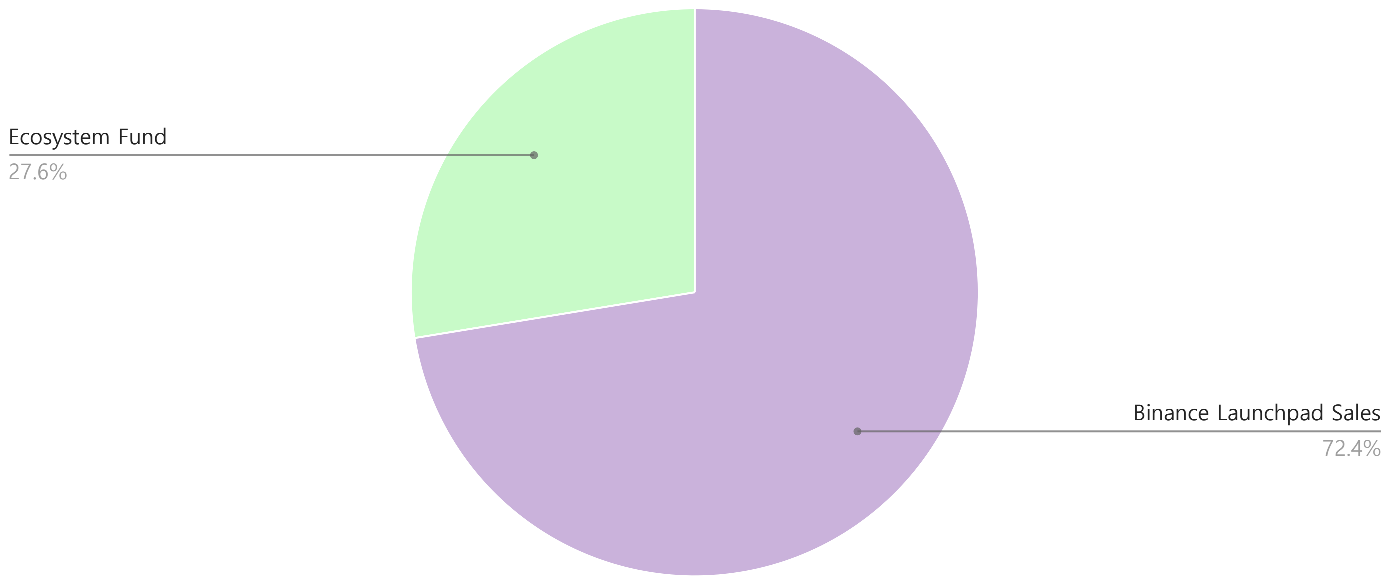
No data available

PART IV. Token Information

ITEM 1. Token Profile

Token Name	Band Protocol
Symbol	BAND
Token Economy	Band ecosystem has two token types: BAND token and Dataset token.
Token Usage	The BAND token is the native token of Band Protocol with a fixed supply. It represents the collective value of all datasets in the Band Protocol. The use cases intended for BAND include but are not limited to: - Collateral to issue Dataset tokens: The BAND token is used as collateral to issue Dataset tokens. - Governance: The BAND token is used as a voting token for network governance decisions. - Participation in BandChain consensus algorithm: After Band's cross-chain compatibility upgrade, the BAND token will be used as the staking token to secure the network through a delegated proof-of-stake consensus mechanism. The Dataset token represents the ownership stake in a particular dataset in Band. The use cases intended for Dataset tokens include but are not limited to: - Stake to acquire data provider slots: Data providers are required to maintain certain amounts of Dataset tokens to earn slots to provide data. - Stake for data provider curation: Token holders can participate in the curation of data providers by staking using Dataset tokens. - Voting: Dataset token can be used as voting tokens to collectively decide dataset configurations, such as a number of data providers, cost of data query, or minimum stake requirement of data providers.
Short Token Description	Band Protocol - Secure and scalable decentralized oracle for Web3.0
Token Contract Address	0xba11d00c5f74255f56a5e366f4f77f5a186d7f55
Base Platform	Ethereum
Mainnet Explorer Url	
Network	No Input
Project Type	Utility Token
Tokens were initially available and currently obtainable in the following method(s)	1. Private offering 2. Public offering 3. Payouts to compensate employees, reward users, fund projects, and other direct use from reserve funds
Additional Token issuance or minting conditions, including implemented natural inflation.	Band has a fixed supply of 100,000,000 tokens with no inflation
Trading practices after the Token Sale by Company	1. Company has not purchased or sold Tokens after the Token Sale
Method of allocating tokens during Token Sale	

Token allocation percentage based on Total Supply immediately after Token Generation Event



d) Other information that may be relevant to the Tokens or their sale
After Band's cross-chain compatibility upgrade, the BAND token will be used as the staking token to secure the network through a delegated proof-of-stake consensus mechanism.

ITEM 2. Token Sales

2.1 Token Sales details

Initial Offering Status	No
Initial Offering Price (USD)	0.473
Initial Offering Price (ETH)	0.00224
Initial Offering Price (BTC)	0.0000463
Funding achieved in relation to the target hard cap (%)	100

Percentage of individual investors at initial offering

100

Terms and conditions for top backers

Seed Sale Overview

The Seed Sale was conducted from August to October 2018 for $0.30 / BAND, and raised a total of $3.00MM, for 10.00% of the total token supply. Only USD was raised in the Seed Sale.

Private Sale Overview

The Private Sale was conducted from June to August 2019 for $0.40 / BAND, and raised a total of $2.00MM, for 5.00% of the total token supply. The Private Sale consists of 1,875,000 USD and 125,000 USDC.

2.2 Initial Offering Rounds

Round 1

Round Name: Binance Launchpad
Amount of Tokens Sold: 12,368,200
Total Sale Amount Raised in USD: 5,850,000
Institutional Participants:
Start Date:
End Date:

Denomination	Price per Token	Amount raised in USD

Denomination	Price per Token	Amount raised in USD
	No data available	

*: Proposed calculation, but not necessarily mandatory, is based on USD equivalent of cryptocurrency received between the start and end date of the Token sale duration calculated by ((High+Low)/2) of market price

ITEM 3. Token Supply History

The following is a manual record Token supply history as of 2020-08-18. Corresponding transactions hashes have not been provided within this report.

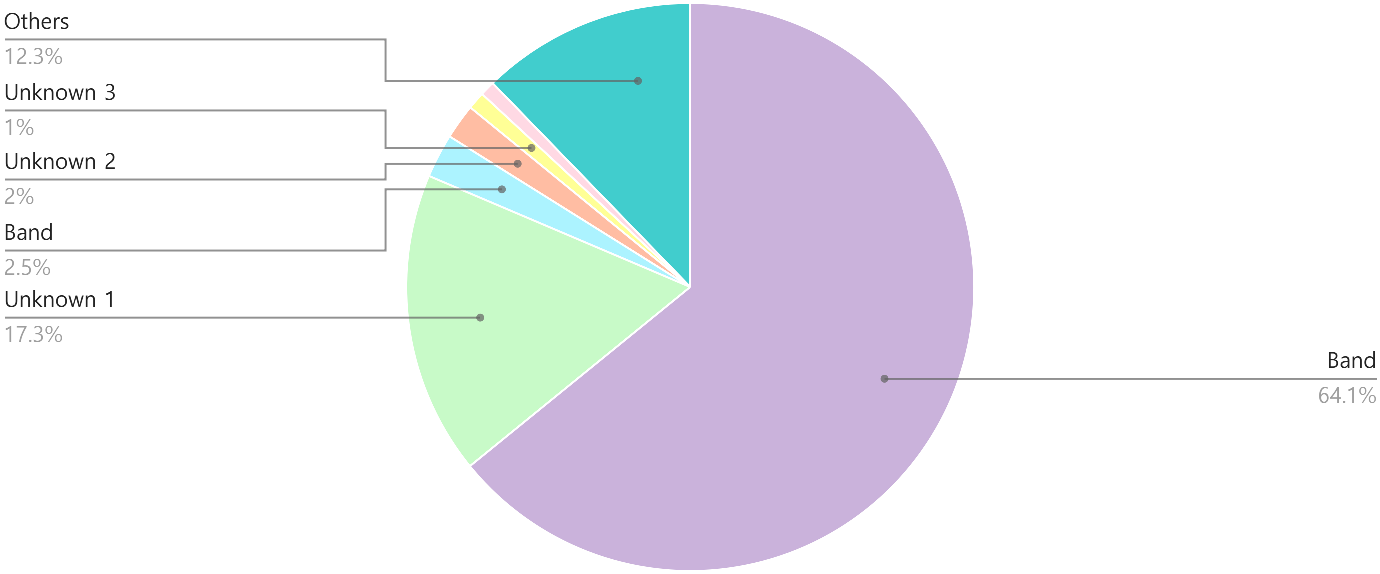
Purpose	Date	Amount	Value (USD)	Post Total Supply	Post Circulating Supply
Total supply minted	2019-09-18	100,000,000	N/A	100,000,000	N/A
Initail circulating released for Binance launchpad and ecosystem fund	2019-09-18	17,083,333	N/A	N/A	17,083,333

ITEM 4. Listed Exchanges

	Exchange	Pair	Price	Volume	Percentage
	Binance	BAND/USDT	$14	$42,659,890	43.80%
	Binance	BAND/BTC	$14	$17,114,168	17.60%
	Coinbase Pro	BAND/USD	$14	$8,566,106	8.80%
	Huobi Global	BAND/USDT	$14	$8,254,549	8.50%
	Dcoin	BAND/USDT	$14	$5,789,628	6.00%
	Bilaxy	BAND/USDT	$14	$5,187,552	5.30%
	Coinbase Pro	BAND/EUR	$14	$1,617,863	1.70%
	Coinbase Pro	BAND/BTC	$14	$1,168,937	1.20%
	Folgory	BAND/BTC	$14	$1,146,436	1.20%
	Folgory	BAND/USDT	$14	$1,094,292	1.10%

ITEM 5. Token Ownership

The following is an automatic query result of wallet addresses based on balance holdings with meta data application as of 2020-08-18.



Rank	Address	Balance	Percentage
1	0x7a62a7DcF64e1eB94E374ec187AD14BA6e595062 (Band)	64,137,285	64.14%
2	0x8CD2283Bf278E55ec40Ba00438a7C71455d135B8 (Unknown 1)	17,256,879	17.26%
3	0x78616B19804835F6a6D50199F0aF8D38f04bC3B1 (Band)	2,500,000	2.50%
4	0x247DE6328F5dE18367f14a925FdC6CC6761aaC18 (Unknown 2)	2,000,000	2.00%
5	0xA01C28A2B8CC1D33f707cF6Fc0627e1b627440BE (Unknown 3)	1,000,000	1%
6	0xA8c66E3647ea5718BdB636eAed83f603166D16D1 (Unknown 4)	850,000	0.85%
7	0xBa9312640748B7A8a3A5272Eb79D01ADc1e82BD0 (Unknown 5)	750,000	0.75%
8	0x5b8B48Fa06f23117539a33A8AAf4C757FBFB5Cf4 (Unknown 6)	666,667	0.67%
9	0x089d40cF1784baE52ED14508aE2fBd822a3dccD0 (Unknown 7)	650,000	0.65%
10	0x9584Fc24E07896cdF7b1dB3E2e607a58F5df0d67 (Unknown 8)	600,000	0.60%
11	0x3f5CE5FBFe3E9af3971dD833D26bA9b5C936f0bE (Binance)	486,262	0.49%
12	0xA6E4b67137d4513D5B560d0C17E654cdc1a38C96 (Unknown 9)	452,392	0.45%
13	0xEA03Ba2EA1d1a622618Ddfb2431cd84D935E9Da3 (Unknown 10)	450,000	0.45%
14	0x966A1fC1e57d82d52bd00f50999f3c131d16dC62 (Unknown 11)	450,000	0.45%
15	0x96FcbB4c8Be6d26AD444ca6aA1CCe1c3b6106727 (Unknown 12)	395,875	0.40%
16	0x8B413E9550505bd7efA4380659793D59d8B11389 (Unknown 13)	380,554	0.38%
17	0xcBa17F41C36780cd70c04c04bb91dC908FaaE8b9 (Unknown 14)	356,034	0.36%
18	0xB3506a5C36fF1eA439cb29261EBe27C76B5Bd802 (Unknown 15)	333,333	0.33%

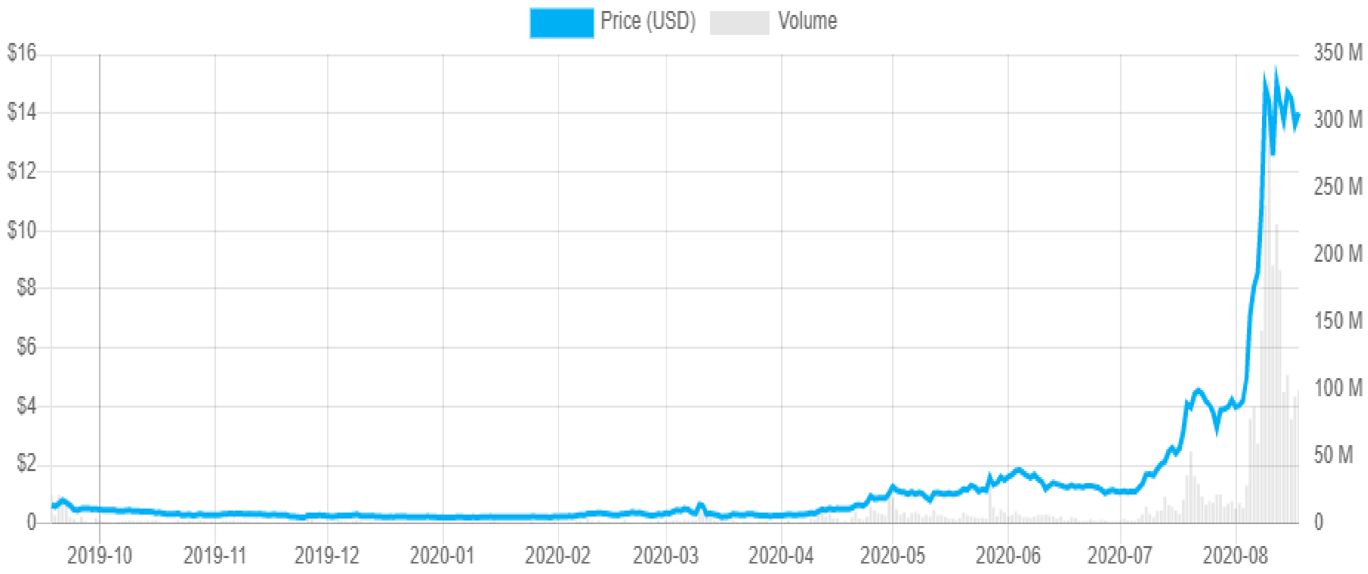
Rank	Address	Balance	Percentage
19	0x9c386E51A65E2bfa8831bfEA4dDCbC9D81A26848 (Unknown 16)	250,000	0.25%
20	0x050F618dB1049D17d6A3e790936D5b8AA712DEE8 (Unknown 17)	250,000	0.25%

ITEM 6. Token Price and Market Cap

The following are market data present as of 2020-08-18.

Market Cap Rank **52**

Price Performance



▸ **USD**

Current Price : $14.022

Change (7d/24h/1h) : -2.9% | -5% | 1.3%

Market Cap : 287,360,814.77

Initial Offering Price : $0.473000

Return since Initial Offering : 29.64 X

▸ **ETH**

Current Price : 0.032480 ETH

Change (7d/24h/1h) : -11.3% | -6.2% | 0.8%

Market Cap : 665,646.93

Initial Offering Price : 0.002240 ETH

Return since Initial Offering : 14.5 X

▸ **BTC**

Current Price : 0.001137 BTC

Change (7d/24h/1h) : -6.8% | -8.8% | 1%

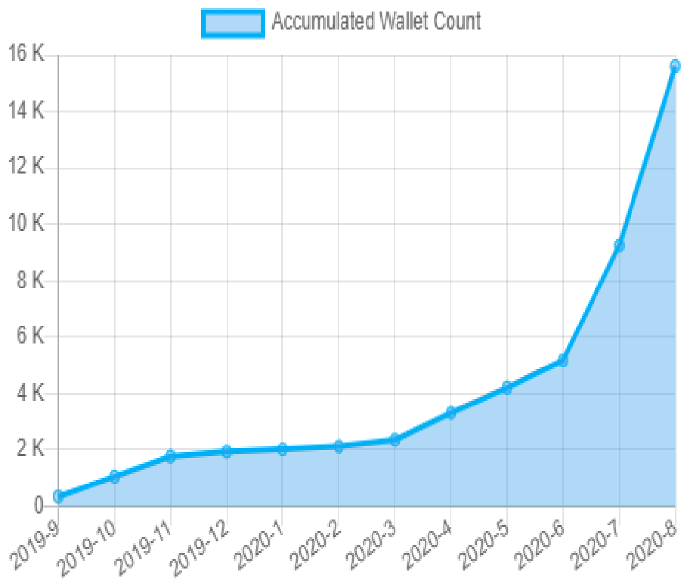
Market Cap : 23,302.27

Initial Offering Price : 0.000046 BTC

Return since Initial Offering : 24.56 X

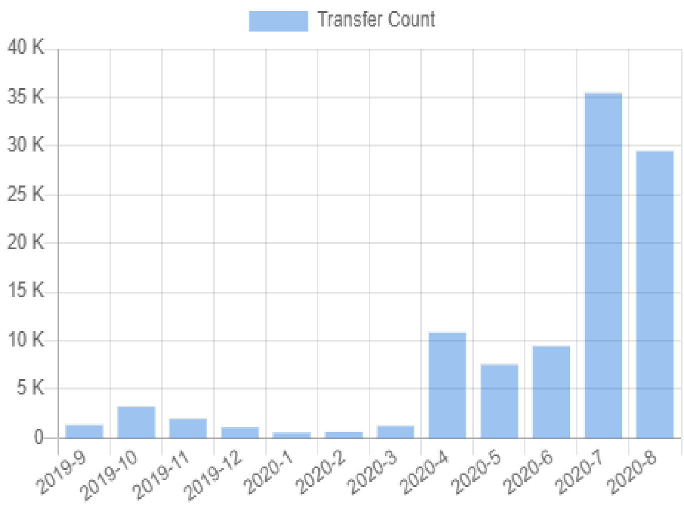
ITEM 7. On-chain Performance

Accumulated Wallet Count



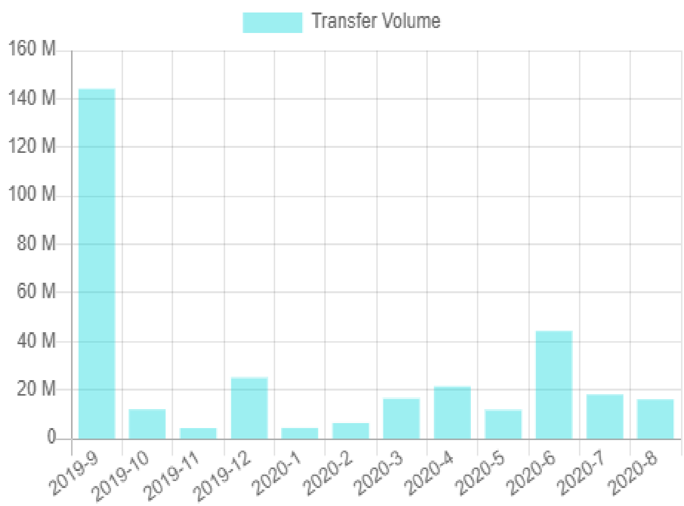
Date	Accumulated Wallet Count	New Wallet Count
2020-8	15,611	6,360
2020-7	9,251	4,071
2020-6	5,180	971
2020-5	4,209	895
2020-4	3,314	956
2020-3	2,358	238
2020-2	2,120	100
2020-1	2,020	87
2019-12	1,933	167
2019-11	1,766	716
2019-10	1,050	705
2019-9	345	345

Transfer Count



Date	Token Transfer Count
2020-8	29,493
2020-7	35,482
2020-6	9,441
2020-5	7,554
2020-4	10,844
2020-3	1,256
2020-2	618
2020-1	548
2019-12	1,092
2019-11	1,983
2019-10	3,230
2019-9	1,349

Transfer Volume



Date	Token Transfer Volume
2020-8	16,161,625.535
2020-7	18,207,013.914
2020-6	44,298,756.612
2020-5	11,760,594.873
2020-4	21,532,352.854
2020-3	16,529,103.324
2020-2	6,480,091.388
2020-1	4,396,185.316
2019-12	25,089,240.621
2019-11	4,321,138.745
2019-10	11,954,051.154
2019-9	144,049,104.43

PART V. Compliance

ITEM 1. Legal

Legal Memorandums and Opinions

Date	Target Jurisdiction	Sender / Written by	File
No data available			

Legal Compliance

Q: Can you ensure that your project is in compliance with all laws in the countries that you conduct business and the jurisdiction of where your company is incorporated? Please use the input field to describe your circumstances in case you cannot ensure compliance.
A: No

Q: Can you ensure that there are no elements or features that potentially involve damaging public interests in certain countries due to the activities promoted by the project? (Gambling/drugs, etc.) Please use the input field to describe your circumstances in case you cannot ensure compliance.
A: No

Q: Can you ensure that your token/coin project is not categorized as a security under any existing global capital market regulations? Please use the input field to describe your circumstances in case you cannot ensure compliance.
A: No

ITEM 2. Technical

Technical audit results and other equivalents

File	Date	Document Title	Audited by / Reported by
No data available			

Technical Compliance

Q: Can you ensure that your company has the technical capability to cooperate with exchanges? (Daemon/Wallet/Mainnet support/etc.) If your answer is yes, please use the input field to describe what necessary steps are required for the exchanges to engage in listing your project.
A: No