White Paper

NavC

A Utility Token

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1. ABSTRACT

The concept of digital assets is relatively new to the world. Earlier people were known to own the assets which were physical. With the advancement in technology, digital assets are introduced as an alternate medium of exchange and store of value. The first Crypto Digital asset was introduced in the form of cryptocurrency in 2008 with the sole purpose of decentralized currency, in which the records are immutable and can be stored in the public data structure in form of a distributed ledger, known as Blockchain.

Since the inception of the first digital currency, more and more digital currencies are coming into the market and that has given a rise to the need for an exchange that would allow changing one digital currency into another and moving forward these exchanges, depending upon their features and value addition have been flourishing all over globally.

Today there are several cryptocurrencies in the market that are traded on various exchanges (DEX or Ethereum linked Sidechain Applications). These exchanges charge traders a hefty amount of money (percentage) in transactions and various other fees. These fees are a cost for traders and are the reason behind higher impact cost. Higher the impact cost means less profit for the traders. These reductions in profit narrow the window of possible trading opportunities for the traders since they always try to generate profit more than total cost. This will cause the trader to hold on to the assets till there is enough profitability to cover the BEP along with the desired margin to incentivize the trade. Resulting in low liquidity in the market, further resulting more cost to maintain the liquidity in the exchange, leading to further higher Impact Cost and the vicious circle of higher Impact Cost continues.

To overcome these challenges, we propose a next-generation exchange known as NavExM, which is Cash or Revenue Positive for the trader.

There are many more features of this exchange that clearly establish it as a next generation exchange. NavExM has a native token cryptocurrency called NavC that empower NavExM to achieve all these extraordinary measures, in the process encapsulates the value of participating assets and appreciate in value. NavC has been uniquely designed to appreciate as trades are executed in the exchange, so more the trades, more appreciation will take place of NavC token. Considering low impact cost, comparatively there will be a lot more trade in the exchange. This fixed supply value variance inflationary token has more than one way of appreciating it's value. This Token will result in overcoming the liquidity pool limitation by incentivising the presence of liquidity in the exchange.

Currently, top 20 centralized exchanges of the crypto world have a collective turnover of $100 billion per day. These exchanges charge over $300 million in transaction fees per day resulting in millions of traders spending billions of dollars as total costs. NavExM provides assured up to five times of the trading fees as cashback, which will always be many times more than the trading fees, resulting in positive cashback to its traders. This cashback feature of NavExM alone is more than enough to open many avenues to establish NavExM as an exchange of the future and NavC an asset on the path of unprecedented growth. Over 99.96% of all tokens are locked or committed in NavExM exchange and related technology funds. Only the remaining 0.044% of tokens are available outside NavExM to be owned as assets, given all the benefits, as outlined in this document, of owning this asset, it is perceived that these tokens will be in high demand.

2. INTRODUCTION

Since the revolution of Digital Currency and the age of Ethereum, an arguably second known network after Bitcoin, that has taken a significant leap into the cryptocurrency world, the need for currency exchanges to interchange and establish value between two or more currencies has been undeniable. There are many solutions in existence that allows exchanging independent currencies i.e., tokens and/or Coins with each other, either it is decentralized exchanges, also known as DEX, or centralized exchanges. All these Layer1 and Layer2 solutions have brought their own unique ideas and features which range from lower transaction cost to faster transaction completion. These additions dApp have been beneficial to the community and that is why they have been accepted widely and now playing a key role in inter currency transactions. Simultaneously these exchanges add significant costs to the asset transactions (trade) that take place on such exchanges and charge the trader for conducting such activities. Also, these exchange solutions do not offer any significant leap in terms of ideas, features or technology that can crown them as a future-ready exchange. In simple words they all charge fees and reduce the amount of return on assets (crypto-assets) one holds regardless of any way they trade. It can be seen as a negative side of a trading activity which has its own limitations.

This document proposes future-ready, Ethereum linked Sidechain Application for digital currency exchange known as NavExM and its native utility token, known as NavC. The importance of NavC and its future value can only be best understood with the future-ready features of NavExM where this token would be used to power the trades on the exchange. NavExM will not just ask for the least trading Fee (up to 10 times less than the next minimum charge in another exchange) but also offers a cashback which is up to 5 times the fees charged and always pay back more than the Trader is charged. It is not just a launching feature of the NavExM but a perpetual design objective of the platform for it to be future ready. This feature alone opens many gates for the NavExM in the market such as higher liquidity, faster transactions, lowest impact cost, etc.

3. What Is NavC

NavC- A utility token of NavExM Exchange. All Its transaction is routed through the NavExM Exchange Engine.

NavExM ensures that all Trading Pairs (ETH/BTC or BTC/SOL or any other) are routed through NavC Token, which in turn raise the demand of the NavC Tokens and capture the Crypto Currency pair trading values as Capital Appreciation to the Token. At the same time, it will also raise the demand of the NavC on the NavExM to be used as a token for the trade. The more the trade higher the demand and more value appreciation for the token. Therefore, fixed supply value variance inflationary token, NavC.

3.1. Features Of NavC

- Further discounted Transaction Fees
- Positive Cashback Payment
- Fixed Supply Value Variance Inflationary Token
- Appreciation Outcome
- Bonus Coin
  - Capital Gain
  - Cashback Bonus

3.1.1. Discounted Transaction

NavC Transaction fees is the lowest of all the Layer2 exchanges on Ethereum network, and Sidechain Linked Applications (about 0.02%). When trader stakes 5000 NavC tokens or more within the provided window after launching, they will get a further 50% discount (about 0.01%, $1 for every $10,000). In the ICO there will be only 50 Million tokens available and therefore, maximum 10000 traders will be in position to avail this discounted trading fees considering the limited supply of the token. For the purpose of cashback undiscounted transaction fees will be basis to establish to maximum cashback ceiling.

EXAMPLES

EXAMPLE - 1

Investor A has ETH of $10,000 and wants to sell ETH and buy BTC using NavC Token.

*Transaction fees: $10,000 * 0.02% = $2*

EXAMPLE - 2

In addition to example 1, Investor A staking 5000 or more NavC (acquire through participant in ICO)

*Transaction fees: $10,000 * 0.01% = $1*

*Since the stake of NavC by the participant in ICO, Investor can avail discount in transaction fees. Saving in transaction fees 50% {($2-1)/$2*100}*

3.1.2. Positive Cashback

Considering that every trade on the NavExM Exchange will be empowered by NavC token. We will offer a positive cashback of up to 5 times the Transaction fees (undiscounted) to all the traders to incentivize their participation in the market.

Since the Capital Appreciation is directly correlated to the transaction volume in the NavExM Exchange.

The change in the value of currencies/assets (i.e., ETH, BTC, etc. that are trading in the exchange has no impact on the trading engine of the NavExM, NavC token will always get appreciated regardless the moment of the prices of trading assets. Since all the trades are empowered by NavC, it will always be in demand.

3.1.3. Fixed Supply Value Variance Inflationary Token

Total supply of NavC tokens is fixed, there will not be any more token supply increase when a trade happens, which results in more demand for NavC. The feature of having the lowest transaction fees and providing positive cashback, NavExM gives an excellent competitive edge to NavC over other cryptocurrencies as an asset. Since the increase in its demand makes it value variance inflationary token in nature.

As per AMM (An automated market maker is a type of decentralized exchange (DEX) protocol that relies on a mathematical formula to price assets. Instead of using an order book like a traditional exchange, assets are priced according to a pricing algorithm.)

$$X_1 * Y_1 = k$$

Where, X_1 & Y_1 are the quantities of tokens (Token 'A' & Token 'B' respectively) in the liquidity pool.
Where, k is a fixed constant, meaning the pool's total liquidity (always has to remain the same) And,

$$X_2 = \text{Token A} * X_1$$
$$Y_2 = \text{Token B} * Y_1$$

$$X_2 = Y_2$$

where X_2 & Y_2 are the equally weighted prices of two cryptocurrencies (Token 'A' & Token 'B' respectively) with different proportionate quantities (X_1, Y_1) in the pool that agreed to trade.
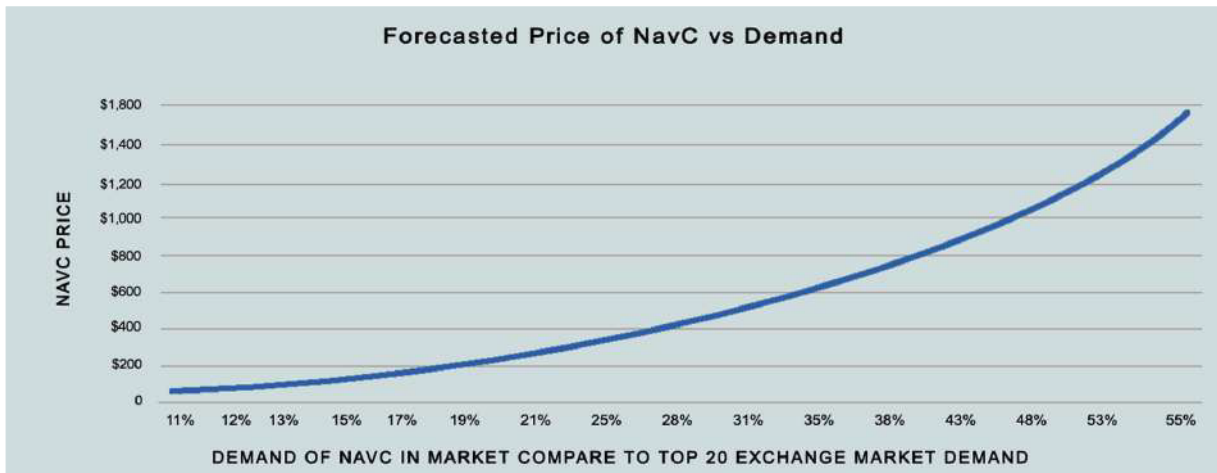
Z is the % of demand for NavC to it's pool size due to the transaction value created by token A.
Therefore, the value of NavC will increase by twice the Z after settlement. So, the equation of appreciated NavC price will be {NavC+(2Z * NavC)}

For e.g. There is 10 ETH that agreed to be traded for 01 BTC and this trade results in a demand of 30,000 NavC to settle. This demand of NavC is X percentage of the liquidity pool for NavC so the price of NavC will increase 2X after this trade.

Availability of liquidity in the pool will be a factor to determine the X percentage of Demand vs Pool availability ratio. So, this equation will be dynamically decided by

● The availability of liquidity in the pool.

● Value of ETH (as per above e.g.)

● Value of BTC (as per above e.g.)

Forecasted Price of NavC vs Demand

NAVC PRICE (y-axis): $1,800 / $1,400 / $1,200 / $1,000 / $800 / $600 / $400 / $200 / 0

DEMAND OF NAVC IN MARKET COMPARE TO TOP 20 EXCHANGE MARKET DEMAND (x-axis): 11% 12% 13% 15% 17% 19% 21% 25% 28% 31% 35% 38% 43% 48% 53% 55%

3.1.4. Appreciation Outcome

NavC token provides reliable encapsulation of the asset that it has been used for trade on NavExM. NavExM ensures that all Trading Pairs (ETH/BTC or BTC/SOL or any other) are routed through NavC Token, which in turn raises the demand of the NavC Tokens and captures the Cryptocurrency pair trading values as Capital Appreciation to the NavC Token. At the same time, trade will also raise the demand of the NavC on the NavExM to be used as a token for the trade. The more the trade, higher the demand of NavC and the more value appreciation outcome of the token.

For e.g. There is 10 ETH that agreed to be traded for 1 BTC and this trade results in a demand of 30,000 NavC to settle. This demand of NavC is 0.02% of the liquidity pool. So the price of NavC will increase and become 100.04% after this trade.

EXAMPLE

An Investor A holding 10,000 NavC @ value of $50 each on Day 'X'.

On Day 'X+1' trading happened in NavExM and The price of NavC becomes $50.10 (50{1+0.002}) after this trade.*

Asset Appreciation for Investor A = $50.10-$50 = $0.10 for every NavC available after the trade.

*Total Price appreciation benefits to Investor A = 10,000 NavC * 0.10 = $1,000.*

Appreciation of pool with each trade

There are mainly two factors that can change the price of the NavC token.

Market forces- Since, NavC can be owned and traded in the open market, the supply and demand of the token will have an impact on the price. For this reason, only a minuscule quantity (0.04%) is offered in the market and the rest has been reserved and committed to NavExM. Considering the quantity and nature of this token to increase in value due to trading activities on NavExM, no investors would be in a position to negatively sway its price.

Utility Token Activities- NavC as a native token of NavExM, a tool of trading pair value encapsulation will always increase in value due to settlement in the same trading contract as the trade itself and therefore, have no forces (market) that negatively impact its price.

NavC can always be sold in NavExM at the going price by the investors.

3.1.5. Bonus Coin

The NavC token is the only token in the world of a cryptocurrency that offers cashback on each trade. When traders trade on the NavExM and price appreciates due to the utility token activities of NavC, they get rewarded with a certain amount of cashback.

The cashback bonus is 0.05% of the Capital Gain due to token activity for that trade though the value appreciation takes place of the entire liquidity pool. Cashback is capped at 0.10% of the transaction value.

Scenarios	Bonus Coin
Investors invested in NavC tokens and thus the price is influenced (market forces). E.g., ETH/NavC etc.	Not Applicable.
Transacting NavC with stable coins and thus the price is influenced (market forces). E.g. USDT/NavC etc.	Not Applicable.
Transacting NavC as utility token and swap rate is changed for that transaction due to token demand (token activity). E.g., ETH/BTC etc	0.05% of the Capital Appreciation of the total NavC pool, capped at 0.10% of the transaction value.

For e.g., Investor A wants to purchase ETH and sell BTC, where the transaction size is 10,000 NavC

*The maximum cashback for capital appreciation threshold is equal to 0.10% of transaction value (10,000*0.10%) =10 NavC*
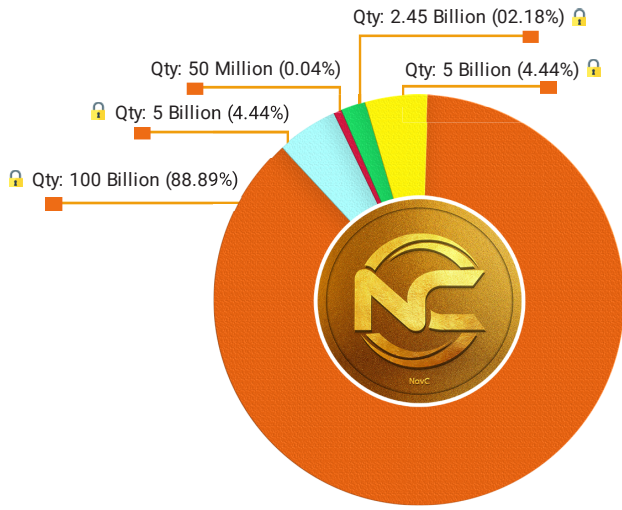
So, Cashback = 10 NavC

4. NavC Advantage Matrix

NavExM Ecosystem (Next Generation Ecosystem)	Present Ecosystem
Transaction fees are 0.01%-0.02% without any prerequisites.	In the present ecosystem transaction fees of up to 4% and the lowest exchange transaction fees of 0.10% are offered with lots of prerequisites.
Native utility token NavC is a "Fixed Supply Value Variance Inflationary Token" (i.e. irrespective of the crypto market movements, it always increases in value with a trade at NavExM).	Other utility tokens are not Value Variance Inflationary Token and their price variance (favourable and adverse) depends on the crypto market movements(demand and availability of the token).
Investor can use NavC to diversify his portfolio as NavC price is not co-related with other crypto prices, it is co-related with incremental turnovers of NavExM.	Other crypto assets are co-related with crypto market sentiments. So, if the market sentiment is negative, the price will get negatively impacted.
Capital Appreciation Cashback Bonus benefit is an add-on feature that can be up to 0.10% of transaction value, which is never less than the trading fees, so it is always cash positive for the traders. That means traders will always pocket money on the trade.	No such benefit exists.
Lower transaction fees will lead to more trade more liquidity, and more currency in the market, smaller Bid-Ask spread means low impact cost leading to more and faster trade settlement and higher turnover.	Higher transaction fees leading to wider bid-ask spread, low liquidity means high impact costs.
High opportunity for new coins to come into the market since it is logical to assume low demand of coins in the early stage and low impact cost will help to keep it profitable.	Less opportunity for new coins to come into the market since it is logical to assume low demand of coins in the early stage and high impact cost will reduce the profitability.
Traders with less impact cost and cashback benefits will generate more return on the trade.	Traders with higher fees and no other benefits will generate a low return on the trade.
Investors will get higher capital appreciation benefits on holding NavC tokens. It is a no/low-risk token to hold for traders/investors due to inbuild high demand of NavC on NavExM.	No such benefit exists.

5. Token allocation

The NavC project structure and distribution are as follows:

Metric	Percentage	Qty
Total Planned Supply	100%	112.50 Billion
As Token (Locked in NavExM)	88.89%	100 Billion
Strategic Holding	4.44%	5 Billion
Technical Development, Associated Blockchain and Post ICO Projects	4.44%	5 Billion
Development team, Employee Allocation, Metaverse, Contingencies, Infrastructure, etc.	2.18%	2.45 Billion
Initial Coin offering (ICO In 3 stages)	0.04%	50 Million

Qty: 2.45 Billion (02.18%) 🔒

Qty: 50 Million (0.04%)   Qty: 5 Billion (4.44%) 🔒

🔒 Qty: 5 Billion (4.44%)

🔒 Qty: 100 Billion (88.89%)

❑ Tokens locked in NavExM (NavC Encapsulation Pool)

❑ NavExM Strategic Holding

❑ Distributed in 3 ICO rounds (Open for Public)

❑ NavExM Growth Pathways, Marketing, Promotional activities, Metaverse, Founding Team, Infrastructure, Contingencies etc., During and After NavExM Launch

❑ Technical Development in Post NavExM launch Projects, NavExM Associated Blockchain, (Growth of NavExM)

NavC Distribution

5.1 Cumulative NavC Market Circulating Supply

"This includes ICO, Cumulative no. of NavC in Cashback, NavC pool value."
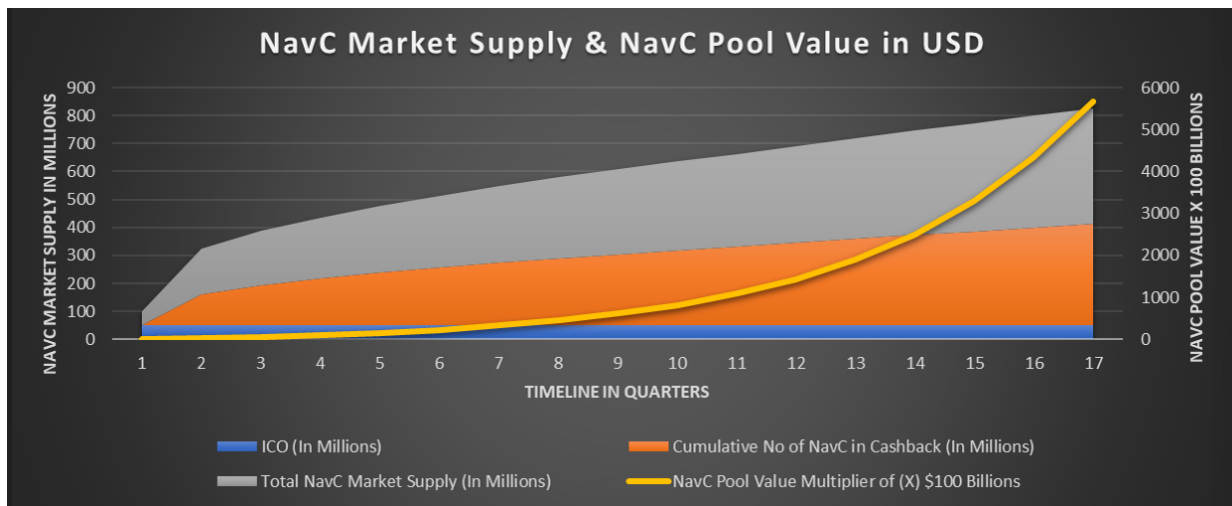
Cumulative NavC Market Circulating Supply

6. Staking & Lock-In Period

6.1 Staking

Staking is the act of reducing the supply of tokens that are freely available in the market which put diminishing pressure on the supply and further helps in appreciating the price of the NavC Token. To encourage this activity, we further offer a discount of 50% (transaction fees 0.02% to 0.01%) on trading fees at NavExM. This ensures that the trader/investor has a maximum gain on the exchange as long as staking can be maintained. It will also result in capital appreciation benefits to the trader/investor.

Staking benefits are only available to Early Bird Traders/Investors (Participating in ICO).
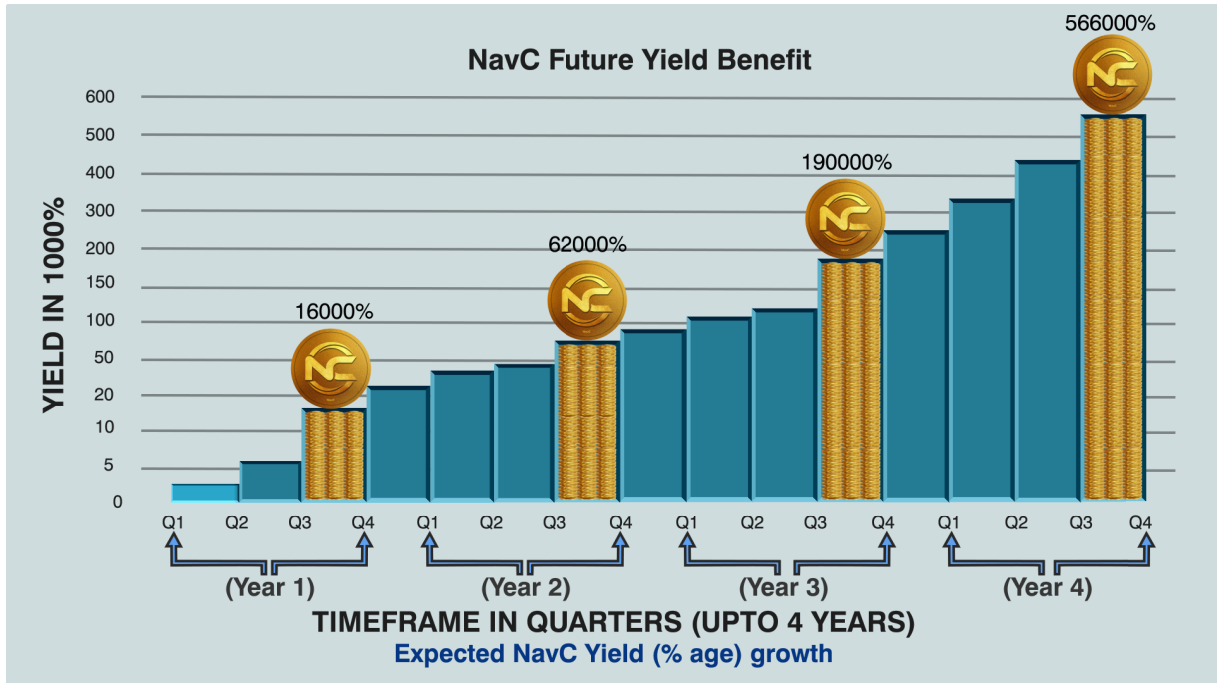
Early-bird opportunities are only available to 10,000 potential traders who will have the chance to stake the tokens; Since the supply to the public is limited to 50 Million Tokens as of now.

6.2 Lock-In Period

● Lock-In period refers to that period where NavC cannot be sold or redeemed.

● 100 billion NavC Tokens are locked in NavExM.

● No lock-In period for any investor/trader.

7. Yield

Yield is the percentage of return from any investment. As per future projections, the Yield % for an investor since ICO @$1.00 would be around 30463%, 151554% & 565572% for minimum, average, and expected case scenarios respectively within 4 years period.

8. ICO LAUNCH SUMMARY

S. No	Requirements	Details
1.	Pre-Sale Start Date	TBA
2.	Pre-Sale End Date	TBA
3.	Public Sales Date	TBA (usually 6 months from Pre Sale start date)
4.	Transaction fees	from 0.01%-0.02%
5.	Websites	navctoken.com, navexm.com
6.	Social Media Pages	Facebook, Twitter, LinkedIn, YouTube, and many more.
7.	Token type	Value inflationary , Utility Token
8.	ICO (NavC to be converted through ETH)	i) Round 01 : Jun Qtr,2022 - 26 Million @ $1.00 ii) Round 02 : Oct Qtr,2022 - 10 Million @ $1.25 iii) Round 03 : Jan Qtr,2023 - 14 Million @ $1.50 Airdrop at Round 3
9.	Fundraising goal	$59,500,000
10.	Total tokens	112.50 billion

8.1. Growth Pool

There is no defined formula to derive the price of an ICO token. It depends on the Demand and Supply that drives the price of a token, and the demand-supply depends on various factors like the reliability of the network, liquidity, token type, no. of Exchanges in which it operates, transaction speed, previous record of the founding team, social media and other network presence, awareness of the coin in the market, the benefit of using the coin, etc. For this reason, every token has its own characteristics and is different from others.
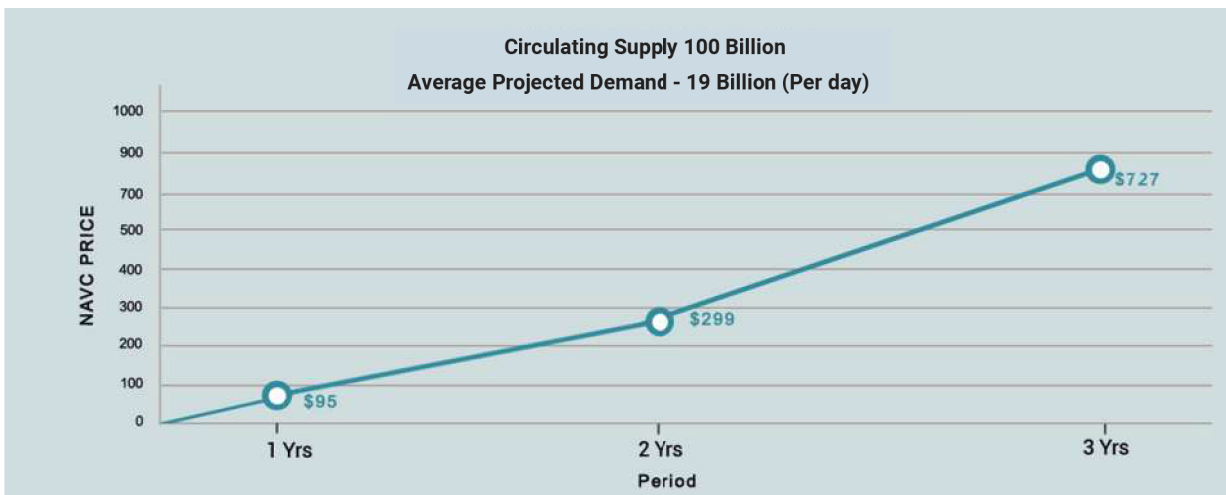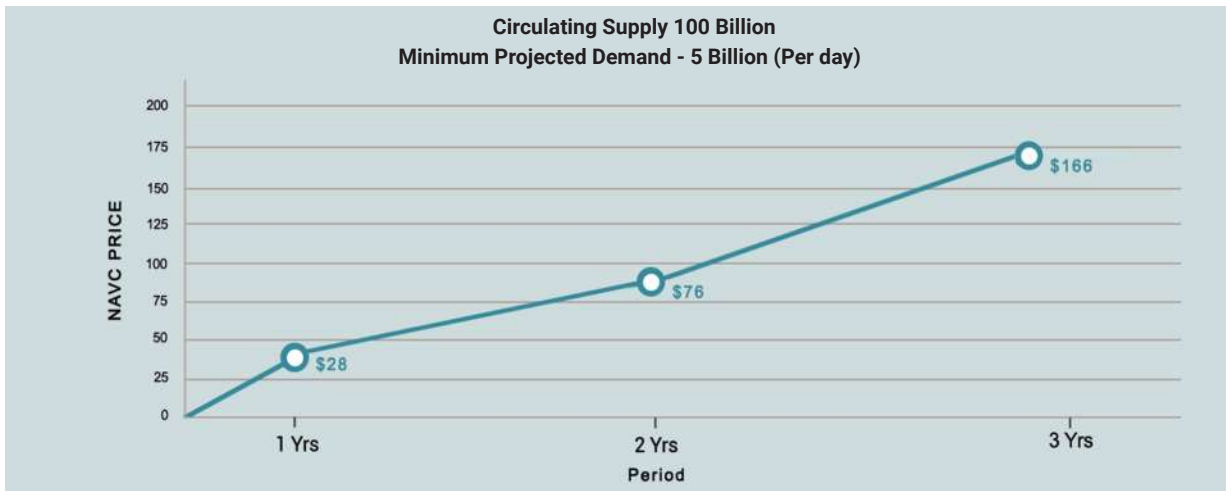
Factors to affect the Price of NavC Coin:

- Demand: Demand to use NavC to transact between cryptocurrencies.
- Supply: Supply relating to NavC demand in the market.
- Transaction size compared to pool size.
- Velocity of NavC to fulfill forecasted market turnover.
- Risk factor of NavC from which investors use to calculate the required rate of return from the future forecasted NavC price.
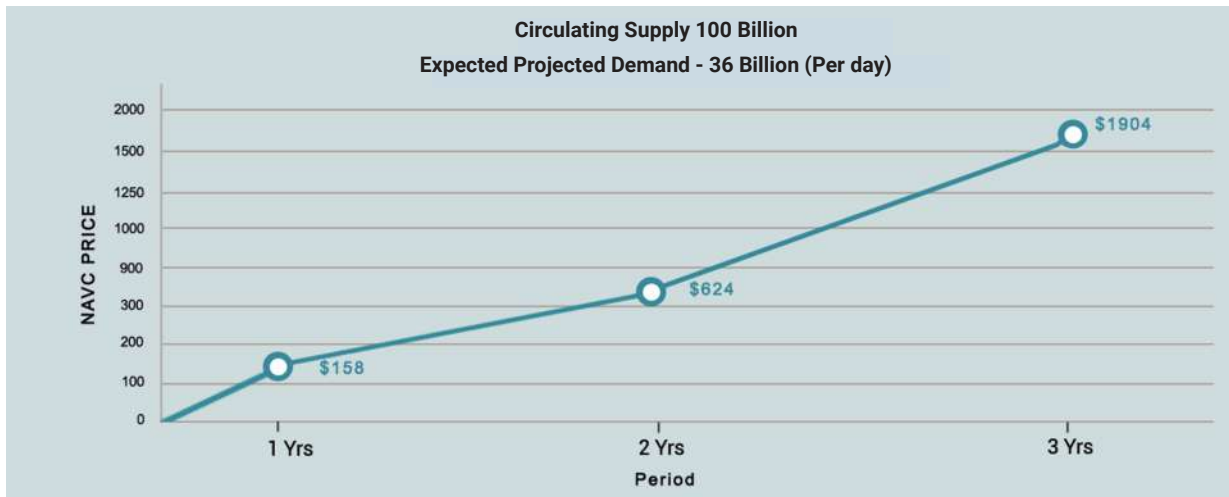
We have planned to reduce the transaction fee by 90% and distribute bonus coins to traders as cashback, which will reduce the impact cost, increase the Crypto market size, and simultaneously increase our NavC price.

9. Now & Future

If we consider recent turnovers of the top 20 exchanges, we can find a turnover value of around $100 Billion per day with an average transaction fee of around 0.15% each side. So, effectively the 100 billion turnovers are costing around $300 Million/day only as trading fees.

Considering the historical growth rate in cryptocurrency turnovers, higher transaction fees charged by other exchanges, NavExM with unique feature of Cashback Bonus is expecting to have more than 25% of such $100 billion market share as baseline within 1 year. To forecast the NavC token price for 1 year below mentioned scenarios have been shown:

Circulating Supply 100 Billion
Minimum Projected Demand - 5 Billion (Per day)

Circulating Supply 100 Billion
Average Projected Demand - 19 Billion (Per day)

Circulating Supply 100 Billion
Expected Projected Demand - 36 Billion (Per day)

10. Do you Realize

- ICO investors will be most benefited from the NavC at the beginning of the appreciation curve.

- NavExM is offering 10 times lower transaction fees on trade from the next competitor exchange.

- Traders can make profits even when buying and selling are happening at the same price value of any assets.

- This trading approach will change 'How the market Trades' at all existing exchanges will mend their ways.

- Collective pool of crypto assets that are being traded every day may end up in NavExM exchange to be benefited from the cashback feature. It will increase NavC price in an unprecedented way.

- NavExM can be established as the largest crypto exchange globally.

- Since Low-spread will also result in a profitable trade. The number of trades in exchange will shoot up many times and NavC price will be favourable to investors/traders.

- NavExM is the first barrier breaker, that industry will follow.

10. Road Map

NavC Journey Starts

- Initial Concept/Idea
- Research & Development
- Team Planning
- Team Hiring
- Development Plan

ICO Round 01 — June Quarter
- Development Begins
- Website Launch
- Logo Launch
- Marketing Activity Initiated
- Whitepaper publishing
- Collaboration with partners & Investors
- Legal/Compliance/Audit Begins
- Global Team Hiring

ICO Round 02 — October Quarter
- Beta Release
- POC
- Capacity Assessment Development
- Continuation of marketing activity
- Implementing features of NavExM
- Global Operation Team Hiring continues

ICO Round 03 — January Quarter
- Airdrop
- Engaging more partners
- KYC Open
- Staking open
- Active Users Wallet
- Global Operation Team Hiring continues

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