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Nova Wallet 7th Proposal:

Retroactive Reimbursement: 1-Click Cross-Chain Swaps, Multisigs, Extended Ledger Support, Polkadot Vault v7.0 Support, Unified Address Format, Off-Ramps, Price Charts, DApp Browser Improvements, and more!

Project type:
Leading mobile application for the Polkadot ecosystem
Proponent: Novasama Technologies (address)
Requested allocation: 980,369.21 USDC
Onchain publish date: 12-August-2025
Previous Treasury Proposals: 6, 5, 4, 3, 2, 1
Treasury Reports: 5, 4, 3 demo, 2 demo, 1 demo

Short description:

Retroactive Reimbursement of 7 months' work for the following features:

- 1-Click Cross-Chain Swaps
- Multisig Wallets
- Extended Ledger Support (Flex, Stax, Nano S Plus)
- Polkadot Vault v7.0 Metadataless Signing
- Unified Address Format
- Off-Ramp Support
- Token Price Charts
- DApp Browser Improvements
- XCM Improvements
- Runtime Improvements
- Community Requested Features
- Self-funded features: Debit Cards, MYTH Staking
- ...and more (See Deliverables Table)

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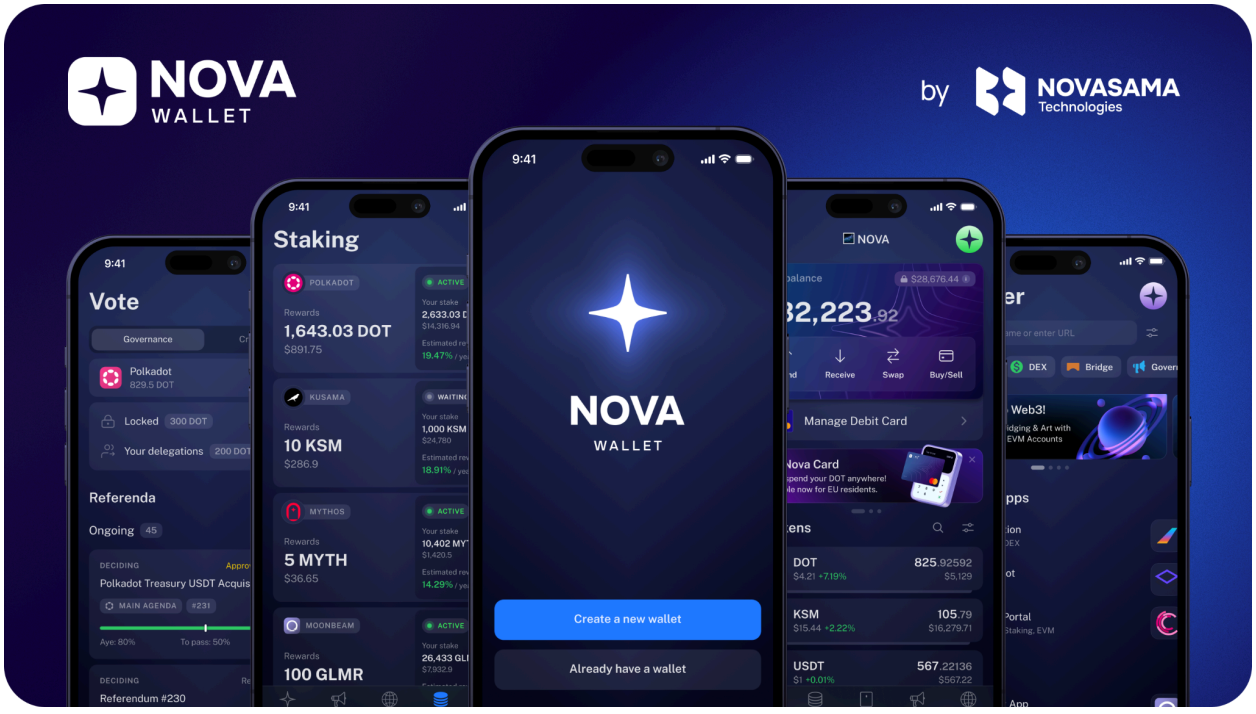
1. Summary

Nova Wallet, the **leading mobile application** in the **Polkadot** ecosystem, is seeking retroactive reimbursement of 980,369.21 USDC for delivered features since our last proposal was approved. This proposal includes significant upgrades, including 1-click cross-chain swaps, extended Ledger support (Flex, Stax, Nano S Plus), Polkadot Vault v7.0 metadataless signing, unified address formats, off-ramp support, token price charts, DApp browser improvements, XCM improvements, runtime improvements, community-requested features, and more!

We have also included information about new features that have been added to Nova Wallet, which have been self-funded or with the support of Marketing Bounty, such as the Mercuryo x Nova Wallet Polkadot Debit Cards, MYTH staking, and Nova Shots.

2. Context of the proposal



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[Nova Wallet] is secure, open source, and is the **leading app for the Polkadot ecosystem**:

🌌 **100+** Polkadot eco & EVM networks
👑 **1-Click Onboarding** with Google and Apple accounts
☁️ Secure **Cloud backups** to sync across multiple devices
💳 **On-ramp** & **off-ramp** support, including Mercuryo x Nova Wallet **Polkadot debit card**
🥞 **Staking**: 14+ options including DOT, KSM, AZERO, GLMR, and more!
🙌 **Super simple staking** supporting both **Nomination pools** and **Direct staking** with our 2-in-1 flow & **analytics** and **alerts**
🔀 **1-Click in-app Swaps** with **430+** Cross-chain channels
🙋‍♀️ **1-Click Voting with SwipeGov**, **OpenGov, Agile Delegations,** & **Gov v1** support
🗣️ Support for **14 Languages**
🌐 **Seamless Multi-tab DApp browser** supporting the Polkadot JS & MetaMask protocols
🔗 **WalletConnect v2** support
🖼️ Access to RMRK, AssetHub, KodaDot **NFTs**
📱 **Hardware wallet** support for Polkadot Vault, Parity Signer; Ledger Stax, Flex & Nano X
🤩 **100 000+ monthly active users** on both iOS & Android
🔔 **Push Notifications** for staking, balances, governance, and announcements
💲 Support for **Price Charts**, **multiple Fiat currency** displays
🤝 Support for **Multisig Wallets** and **Proxy accounts** (Delegated Authorities)
📶 **Network Management:** add any Substrate/EVM chain, manage nodes

2.1 Adoption

Nova Wallet is the most popular Polkadot ecosystem wallet in terms of on-chain metrics on multiple fronts. If we look at staking, currently **over 13.4 MILLION DOT has been staked with Nova Wallet by over 12.3 THOUSAND users** – this is a 39.6% increase in total stake through Nova Wallet since our last referendum. For nomination pools, **Nova Wallet's nomination pool has 10,281 nominators**, which represents **~26.9% of all nomination pool stakers.** Nova Wallet's validators have **2053 nominators** – which represent around **~6.9% of all direct staking nominators**. Overall, **~18% of all DOT stakers are staking via Nova Wallet.** It is important to note that currently, 49% of all DOT is staked, meaning it remains the most popular use case for DOT holders, and each wallet's total stake through their platform remains a solid non-gameable metric to measure adoption.

It is also possible to determine the **popularity/market share of different wallets** within the Polkadot ecosystem when it comes to in-app swaps, thanks to **Hydration's referral code** mechanism. In terms of **total users** that have used one of the ecosystem wallets to carry out swaps within the wallet's UI, **Nova Wallet referral codes account for a ~71.5% share of total referral codes used**. In terms of volume generated through the use of referral codes, **Nova Wallet's total volume is 132.8% higher than the next ecosystem wallet**.

2.2 Sustainability & Revenue

A frequent question from voters is "What is Nova Wallet's path to self-sustainability?". This is a question that affects all wallet providers, not just in the Polkadot ecosystem, but in web3 as a whole. The most common ways for wallet providers to achieve self-sustainability are by charging their users additional fees once they have gained a sufficiently large user base. The most common example of this is how MetaMask charges an additional 0.875% fee to its users when they utilize its built-in swap feature, instead of going to any DEX dApp. This is not the path that we want to follow at all, and instead, we have been busy with other paths to some level of self-sustainability whilst not taxing users:

- Novasama Technologies hosts **5 active Polkadot validators** (one of which is part of the web3foundation's Decentralized Nodes initiative).
- Novasama Technologies hosts **6 active Kusama validators.**
- Novasama Technologies hosts a **Mythos validator** – this has allowed us to implement Mythos-specific features **without charging the Polkadot treasury.**
- Nova Wallet participates in **Hydration's referral code system**, generating fees without adding an additional tax to users.

It is also important to note that there are community validators, which are not affiliated with Novasama Technologies, that have remained in the active set thanks to receiving nominations from Nova Wallet users, thanks to our validator algorithm.

These sources of revenue have allowed us to begin developing features for Nova Wallet without any burden to the Polkadot treasury. The first such feature is our debit card implementation, which was released in June 2025.

We will continue to explore additional revenue streams that can help subsidize the development of Nova Wallet whilst trying to reduce the expenditure from the Polkadot treasury, whilst not taxing our users.

2.3 Why Retroactive?

This is a **retroactive proposal** for the past 7 months' worth of development carried out for Nova Wallet. Due to the evolving nature of Polkadot, with **frequent runtime updates**, it was decided to request funds retroactively again. The roadmap for Nova Wallet is always publicly visible at novawallet.io. The necessity to move to retroactive payments starting from our last treasury proposal was due to it **not being possible to determine ahead of time the amount of work that we have to carry out to ensure that breaking changes do not impact our user base**. As the most popular wallet in the Polkadot ecosystem, ensuring that our users have the best possible user experience is paramount. As such, we will work towards a general roadmap, **introducing cutting-edge features** just like those we have become known for over the past 3 years, whilst also ensuring that our products face no issues due to unforeseen circumstances such as breaking changes caused by runtime upgrades. This also **allows the community to validate our work** by testing these new features **before deciding on their vote** on our treasury requests.

2.4 Our Goal & Additional Contributions to Polkadot

Our goal for Nova Wallet is to **build and maintain a high-quality, open-source, community-focused, and feature-rich mobile application** that has no network biases and can function with no limitations/restrictions. **Nova Wallet is the leading app in the ecosystem** by the following criteria:

- Feature set & high quality (reliability, security, performance, usability)
- Total number of active users
- Amount of Staked tokens to Nomination Pools and Validators
- Amount of users & total volume using an application's built-in swap feature

Apart from developing the open-source Nova Wallet iOS & Android mobile applications, our team is **consistently contributing to the Polkadot ecosystem** by providing open-source SDKs, design assets, knowledge-sharing sessions, and infrastructure. Examples include:

- Substrate SDKs for iOS and Android development
- Nova Utils GitHub — metadata & configs for networks, DApps, cross-chain transfers
- SubQuery API projects developed and hosted by the Nova Wallet team, including a Governance-focused project
- Nova Assets Figma — design assets: Polkadot eco tokens, networks, DApps, etc.

- Hosted metadata portal for Polkadot & Kusama ecosystem networks — metadata portal for Polkadot Vault and Parity Signer hardware wallets
- Polkadot in Action — a series of videos & articles focused on onboarding people to help utilize the power of Polkadot & Kusama ecosystem through the Nova Wallet
- Delegate Registry — an open-source repository for Delegates to fill out their information to attract more delegations through the Agile Delegation feature

More Polkadot user-facing products by Novasama & partners:

- Designing and Developing Telenova
- Designing and Developing Nova Spektr — an all-in-one desktop app for the Polkadot ecosystem
- Developing the Polkadot App
- Developing the Web3 Citizenship App
- Developing and Maintaining Polkadot Vault (starting from 2025)

Find out more about the **products Novasama develops** in our 2024 end-of-year blog post.

3. Key Features Delivered

This proposal covers the **retroactive reimbursement of deliverables for 7 months** as detailed in the Deliverables Table. Here are some of the key features that we want to highlight:

3.1 Deliverables Included in Retroactive Request

1-Click Cross-Chain Swaps

The first iteration of our in-app swaps was very well received by the community, allowing anyone to carry out token swaps across multiple liquidity sources such as Hydration and Polkadot/Kusama Asset Hubs. This initial iteration formed part of our previous retroactive proposal. However, it was always the plan to **elevate the UX for the entire Polkadot ecosystem with our 1-Click Cross-Chain Swaps feature**.

This feature allows users to select which token they wish to sell, and the one they wish to buy, and Nova Wallet automatically routes the user through the best liquidity source. **It carries out the initial cross-chain transfer (to Hydration, for example), the swap, and a second cross-chain transfer to the user's desired destination chain. All in one user interaction.**

The success of this UX breakthrough can be seen through the percentage share of users who have used Nova Wallet to carry out swaps versus other wallets in the ecosystem. Since Hydration is currently the main source of liquidity, users typically will use it to carry out swaps. As stated in section 2.1, **Nova Wallet referral codes account for 71.5% of all referral codes on Hydration**. This demonstrates that providing users with massively elevated UX results in more adoption.

1-Click Cross-Chain Swaps will become even more valuable when the Polkadot Hub is launched, as there should be increased liquidity on Polkadot Asset Hub. Users will not have to figure out which chain (for example, Polkadot Asset Hub or Hydration) has the best liquidity/lowest fees for their swaps. **Nova Wallet's 1-Click Cross-Chain Swaps will handle everything for them.**

Swap features are a cornerstone of web3. Typically, wallets in other ecosystems only have to handle a single blockchain at a time. However, Nova Wallet is able to route users from multiple interconnected chains to perform swaps. A large portion of users do not have the time or understanding of where the best place to swap their tokens is, which can be seen with how MetaMask has monetized this functionality due to its popularity.

Multisig Wallets

Historically, in the Polkadot ecosystem, there have been pain points associated with multisigs, especially for new users. They were often burdensome and too complex to

understand. We have even heard stories of Polkadot OGs having to sit and explain multisigs to newcomers for 30 minutes - 1 hour each time. This clearly showed that there are still UX pain points when it comes to multisigs, so we addressed them.

Nova Wallet v10.1 introduced support for multisig wallets, which **allows users to create and sign multisig transactions directly from Nova Wallet's native interface**. This is a seamless process for operations within Nova Wallet, such as **transfers, staking, governance, and swaps**. Multisig operations work for not just hot-wallets but also signatories that are using hardware wallets (Polkadot Vault and Ledger devices).

When users add their signatory wallet to Nova Wallet, the multisigs (and proxied accounts) that they are a part of are **automatically detected and added to their wallet list**. **Users receive a notification on the wallet selection screen when they have been added as a signatory to a new multisig.**

Using your multisig wallet (and proxied/pure proxy accounts) to sign transactions from DApps has historically been another pain point, requiring users to either go through multiple steps to create those operations from their multisig, or copy and paste call data from the DApp. **Now using Nova Wallet, users can simply select their multisig and connect it to their favourite DApps, creating transactions which can then be signed by their fellow signatories**. There are still a few DApps that need to be updated to support this change, and the Novasama team is working with those teams to try to expedite the support for this feature.

Extended Ledger Support

We added support for two new Ledger devices: **Ledger Stax and Ledger Flex**. These devices offer a superior user experience in comparison to the Ledger Nano X, which has made some users migrate over to these newer models.

We received feedback from users that they wanted Nova Wallet to support these new devices, so we added **custom connect/sign instructions for each of these new devices**. This provides users with accurate instructions on how to pair their devices and sign transactions using their Ledger device and Nova Wallet.

Our users also wanted to manage their portfolio from their Ledger devices via USB connection. More specifically, this request came from users who have Ledger Nano S Plus devices. **We added support for Ledger devices via USB to the Android version of Nova Wallet**, allowing those users to now benefit from Nova Wallet's superior UX. Regarding the iOS implementation of this feature, it is currently not possible to develop this feature due to Apple blocking connections from external USB devices such as the Ledger Nano S Plus.

Another common request was **support for EVM parachains** (Mythos, Moonbeam, Moonriver) for Ledger devices. This request has now been fully implemented, allowing users to **interact seamlessly with these parachains using Ledger and Nova Wallet**.

New Polkadot Vault v7.0 Support

Polkadot Vault v7.0 brought with it the metadataless signing feature – this feature allows users to **sign transactions without needing to update their metadata after each runtime upgrade**. Instead, Nova Wallet now presents users with a short animated QR code, which, when scanned, will submit their transaction to the blockchain without needing to have added or updated the chain's metadata on their Polkadot Vault device.

Unified Address Format Support

An ecosystem-wide effort has been to transition the whole ecosystem to a unified address format, where users will be presented with the same account address format for each parachain. Previously, each parachain typically used its own prefix, which changed the display address of the account on each parachain. This led to users being confused, as they did not understand why they had different addresses for each chain.

With v9.6.0**, Nova Wallet now supports the unified address format** for chains that have transitioned to this standard. We updated Nova's interface to support both the new unified address format and legacy address formats on the send and receive screens. It was important to support both types of address formats in the event that a CEX or other wallet provider had not updated their interface to support the unified address format.

Thanks to the UX bounty and others for championing this initiative!

Off-Ramp Support

Nova Wallet has supported on-ramps for a rather long time at this point, but we received user feedback that they would also like to off-ramp their assets directly from Nova Wallet (via our on/off-ramp partners). Thanks to this feedback, we added support for off-ramping tokens via both Mercuryo and Transak.

Token Price Charts

Nova Wallet v9.5 added the price charts feature. This feature was highly requested by our users, and the number of requests was massively amplified with the release of our swaps feature. **Users can now see historical token price data for their tokens** with 1D/7D/30D/1Y/All time period options, and can tap the price chart to get the price of a token at a specific point in time.

During the implementation of price charts, we also spent some time implementing & hosting caching middleware that greatly reduces our costs for the token price provider API, Coingecko.

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DApp Browser Improvements

Nova Wallet's DApp catalog & browser acts as a key discoverability layer for the Polkadot ecosystem. It allows users to quickly find useful DApps that they may otherwise not be exposed to. We have implemented various improvements to the DApp browser:

- Popular DApps category – added the "popular" category to the top of the DApp catalog. This allows us to promote trending ecosystem DApps to assist them in marketing.
- EVM address support – added support for signing transactions from EVM parachains, including Mythos, Moonbeam, and Moonriver, when they interact with Nova Wallet via the Polkadot signing interface.
- EVM signatures support – Added support for signing raw messages from EVM parachains.
- Custom fee assets – added support for detecting when a DApp requests fees in custom tokens (for example, USDT/USDC) when performing transactions on Polkadot Asset Hub.

XCM Improvements

We made significant improvements to our XCM cross-chain transfer functionality, including:

- Automatic detection of XCM routes – removing the manual overhead of adding new XCM transfer paths. This reduces maintenance costs, increases coverage, and reduces the time it takes for new token XCM paths to be supported in Nova Wallet.
- XCM transfer simulation – Nova Wallet now simulates these detected transfers to ensure that transfers will execute successfully, which avoids users' assets being trapped.
- Improved the precision of cross-chain transfer fee estimation.

Runtime Improvements

As the most popular wallet in the Polkadot ecosystem, it is critical that we support new features that are brought in via runtime upgrades. Some of these features that we added support for include:

- OpenGov Improvements – allow users to vote with their total balance in OpenGov, including DOT that is staked in Nomination Pools.
- Staking Improvements – support for the new stackable balance computation for staking pallet versions that migrated to the usage of holds/freezes.
- Support for new XCM versions – support for XCM V3 encoding for some new assets on Polkadot Asset Hub.

Community Requested Features

We often receive requests from the community to add new features. The best way for the community to request new features is via our Canny board; however, we also receive and take note of feedback that we receive in community chats, Twitter, and DMs.

Some of the community-requested features that we implemented:

- **High price impact warning** – users are now informed if the swap they are about to perform has a high price impact (high slippage) due to low levels of liquidity.
- **Max button implementation** – added a “max” button to all screens (send, swaps, etc.), allowing users to carry out operations without leaving a small amount of tokens.
- **Collator staking improvements** – added support for the black-listing of collators to ensure that users do not stake with bad/faulty validators, therefore getting decreased staking rewards.
- **Asset details screen improvements** – users are now able to better differentiate between different types of balances.
- **Improved WalletConnect integration with DApp browser** – improved the experience of users when connecting to DApps that solely utilize WalletConnect
- **KodaDOT NFTs** – added support for KodaDOT NFTs that have become popular as POAPs, etc.
- **App Link improvements** – App Links saw a lot of traction at major events and community meetups. It is now possible, for example, to create an App Link that sends users to the app stores, and after wallet creation, opens a specific DApp.

3.2 Additional Deliverables (self-funded deliverables)

Mercuryo x Nova Wallet Polkadot Debit Cards

In June, we released the first Polkadot Debit card – the Mercuryo x Nova Wallet Polkadot Debit Card. This allows users to easily spend their DOT anywhere that Mastercard is accepted.

The features of our implementation of the Mercuryo x Nova Wallet Polkadot Debit card include:

- Top up your debit card directly from Nova Wallet using your DOT tokens
- Available in the EEA region, with plans to expand support to more regions
- Euro-denominated
- Globally accepted – pay in over 100 million locations worldwide, anywhere Mastercard is accepted.
- Apple Pay & Google Pay support – add your card to your wallet to tap & pay
- Full transaction history in Nova Wallet
- Instantly freeze/unfreeze your card

The development and implementation of the Mercuryo x Nova Wallet Polkadot Debit Card was covered by our other revenue sources.

Find out more.

MYTH Staking

The Mythos network maintains a large number of active wallets, and this popularity led to an influx of users requesting that we support MYTH staking. After discussions with the Mythos team, Novasama Technologies began operating a MYTH collator.

The revenue generated from this collator allowed us to implement MYTH staking into Nova Wallet. The MYTH staking pallet is unique and required us to develop custom code to support it. This is an example of how we are pursuing additional revenue streams to implement features that are related to the Polkadot ecosystem, but shouldn't form part of the scope of Polkadot treasury proposals.

Nova Shots

Nova Shots is a free-to-play prediction game built on Polkadot. Users sign up for free and then predict the winners of Counter-Strike 2 tournaments, which are organized by BLAST.tv. Nova Shots has been live for the BLAST Counter-Strike 2 Austin Major and the BLAST Bounty 2025 season 2, and will be live for two more tournaments – the BLAST Open Fall 2025 (in London, 27th August - 7th September), and BLAST Rivals Fall 2025 (in Hong Kong, 12th - 16th November).

The Austin Major reached the highest-ever peak viewership for a North American Major with 1.76 million viewers, 76M+ hours watched, an average viewership of 563,629, and over 45,000 fans live at the Moody Center over four days.

Development of Nova Shots was funded by the Polkadot Marketing Bounty as a means of marketing the Polkadot ecosystem to a brand-new tech-savvy audience. The concept is that if we, the Polkadot ecosystem, build novel applications that meet the wants/needs of non-crypto native users, with seamless onboarding & UX, then they are likely to continue to be users of Polkadot thanks to this onboarding point. This is a similar concept to other treasury proposals that have been approved by OpenGov in the past, where a certain amount of funds is designated to onboard a brand new audience (user acquisition cost).

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4. Deliverables Table

4.1 Deliverables Included in Retroactive Request

Theme	Feature	Description
1-Click Cross-Chain Swaps **Note:** Work completed in Q4 2024, but not included in the previous proposal	**Support XCM transfers as swap routes**	• Integrate cross-chain transfers into the swap interface to unlock the possibility to combine them with other swap routes to cover most typical compound use-cases
	Automatically determine the best route across all supported swap sources	• Nova Wallet now supports 872+ cross-chain channels for swapping 180+ tokens by automatically choosing the best path across all supported sources, including Hydration, Polkadot AssetHub, and most of Polkadot/Kusama parachains • Automatic path choosing depends both on the path quote and the total fee to ensure the user performs the best trade possible
	Show fee breakdown	• Add a fee breakdown screen where the user can see the full details of the fees that will be paid alongside each segment of the trade route
	Show route breakdown	• Add a route breakdown screen where the user can see the full details of the route that will be used to execute a trade
	“Swap in the vacuum” UX	• Ensure users can execute the whole trade with just the token they want to swap from, so there is no need for them to think about intermediate fees, existential deposits along the way, e.t.c. This includes using swapping token a fee payment currency, when applicable (e.g., Hydration, Polkadot Asset Hub,) and filtering out

		directions where such UX cannot be guaranteed
	Automatic sequential execution of compound trades	• Implement sequential submission of the route segments to provide the true “1-click swap” experience to the users • Implement transaction tracking and trade outcome detection • Readjust the next segment swap amount based on the difference between the expected and the actual received amount from the previous segment swap
	Improved swaps validation	• Extend existing swap validations to work in the multi-chain context, including asset sufficiency, intermediate fee payment existential deposit checks
XCM Improvements	**BIG Cross-chain Transfers update**	• Automatic XCM routes detection - there is no more need to manually maintain a list of supported cross-chain destinations. They are now automatically detected, which significantly reduces maintenance costs as well as increases coverage and reduces the time it takes to support a newly appeared direction in Nova • Nova Wallet now simulates such automatically detected transfers to ensure successful execution and avoid users' assets from being trapped • Much more precise cross-chain transfer fee estimation
	Support executing cross-chain transfers via Xcm Execute	• Allows to pay fees in the sending token when sending such tokens as USDT/USDC from Polkadot Asset Hub • Support more directions in 1-click swaps by eliminating a subset of restrictions related to fee payments and existential deposits

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	Moonbeam ERC20 XCM transfers	• Support EVM-only ERC-20 token XCM transfers on Moonbeam
Extended Ledger support	**Ledger Flex, Stax support**	• Added support for new Hardware wallet types, including Flex, Stax ,and Nano S Plus • Customize connect/sign instructions for each Ledger Model to provide more accurate instructions for which buttons to press, how to connect, e.t.c.
	Ledger UI/UX improvements	• Improved UI for interacting with Ledger via Bluetooth and USB (Android only), so it will be easier to manage Bluetooth and USB devices at the same time
	Ledger EVM support	• Added support for EVM parachains and their addresses, including Mythos, Moonbeam and Moonriver
New Polkadot Vault 7.0 support	**Metadataless signing**	• Support new transaction signing mode that was introduced in Vault v7, which allows signing transactions without the need to update chain metadata on the Vault side each time chain updates
	Signbytes/Raw singing	• Support secure signing of raw messages using Polkadot Vault
DApp browser improvements	**Popular DApps**	• Added a new category — Popular — on the DApp/Browser page. This gives us an opportunity to perform promotion of trending ecosystem apps to facilitate marketing campaigns

	EVM addresses support	• Support signing transactions from EVM Parachains, which include Mythos, Moonbeam, and Moonriver, when they interact with Nova via Polkadot signing interface
	Fee in custom tokes	• Support detecting that dapp wants to pay a fee in custom tokens, e.g. in USDT/USDC when performing transactions from Polkadot Asset Hub. This helps Dapps to execute compound flows without the need to require users to hold DOT
	EVM signatures support	• Support signing raw messages from EVM Parachains, which include Mythos, Moonbeam, and Moonver
Multisig wallets	**Multisig wallets support**	• Auto-discovery of multisig wallets that a user is a part of • Notify users about newly discovered multisigs • Additionally, support threshold-1 multisig for optimized 1-of-many signing experience
	Multisig transactions support	• Allow user to create multisig operations for all operations supported in Nova Wallet, including Transfer, Staking, Swap, and Governance transactions
	Extended Multisig compatibility	• Users can sign transactions from signatories backed by any supported wallet type, including Hot-Wallets and Hardware wallets
	Support complex account structures	• Support complex account structures of arbitrary complexity, including Multisig-behind-Proxy setups (known as “Flexible Multisigs”) and

		basically any combination of Proxy/Multisig wallets
	Support signing from Multisig and Proxies in Dapp browser	• Implement support for signing from Multisig, Proxies, or any of its combinations from dapp browser • Contribute to polkadot-js to ensure dapp-side support of such signing. Make it easy for dapps to integrate this feature, basically by just updating to the latest version of polkadot-js • This feature can already be tested on https://polkadot.js.org/apps/, which unlocks unlimited possibilities to sign **any** Polkadot transaction without the hassle of managing Multisigs and Proxies signing
Runtime improvements	**OpenGov improvements support**	• Allow to vote with total balance in OpenGov, including balance staked in the Nomination Pools to provide Pool Stakers access to the governance
	Staking improvements support	• Support new stakeable balance computation for staking pallet versions that migrated to usage of Holds/Freezes
	New XCM versions support	• Support XCM V3 encoding for some new assets on Polkadot Asset Hub
Community requested features (quality of life features)	**High price impact warning**	• Added high price impact warning on asset swap to ensure the user is informed about potentially unprofitable trade
	MAX button implementation	• Support MAX button on all screens to provide users with a much better experience when

		selecting operation amounts (Android-Only)
	Collator staking improvements	• Support black-listing of the collators to ensure users do not stake with fault validators and do not get decreased rewards
	Asset details screen improvements	• Improved balances display on Asset details screen. Now it is more compact and provides better distinction between different types of balances
	Improved WalletConnect integration with DApp browser	• Improve UX for interacting with WalletConnect from within Dapp browser to facilitate the usage of apps that use WalletConnect solely
	KodaDot NFT	• Added support for KodaDot NFTs on Asset Hub
	App link improvements	• Improved AppLink support for a better user experience when conducting marketing campaigns in Polkadot
Unified Address Format support	**UAF Support**	• Unified Address Formats (UAF) are now supported for networks that transitioned to UAF
	UI Improvements	• Added bottom sheet with context of UAF when user tries to copy the address of the networks that transitioned to UAF • Added a button on the Receive screen to view both UAF and Legacy addresses for the networks that transitioned to UAF • Added support in action flows (Send, etc) for both UAF and Legacy addresses for the

		networks that transitioned to UAF
Off ramp support	**Multi-providers for buying and selling tokens**	• Seamless UI experience with Off-ramp and On-ramp on Transak • Seamless UI experience with Off-ramp and On-ramp on Mercuryo
Token Price Charts	**Added Price Charts**	• Added Price Charts in token details with 1D/7D/30D/1Y/All options • Added Seek feature: tap on Price Chart to see price at any point of time • Implement a price-fetching proxy to significantly reduce API costs

4.2 Additional Deliverables (self-funded deliverables)

Theme	Feature	Description
Debit Cards	**Nova x Mercuryo Polkadot Debit Card**	• Support the first Polkadot-native Debit Card in collaboration with the Mercuryo team
MYTH Staking	**Support of Mythos staking**	• Implement support for a recently launched Mythos staking to provide Mythos users with the best staking experience, including Start staking, Stake more, Unstake, Claim Rewards, and track already claimed rewards
Nova Shots	**Implementation of a system to protect against malicious actions**	• Implementation of an application verification system that interacts with DApp to restrict access to the game by malicious actors

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5. Resource allocation & budget

5.1 Nova Wallet team (website):

1. Anton Khvorov — CEO & Product Owner
2. Dmitry Serdyukov — Engineering Team Lead
3. Ruslan Rezin — CTO & Lead iOS Engineer
4. Valentin Sergeev — Head of Mobile, Lead Android Engineer
5. Stepan Lavrentyev — Lead QA Engineer
6. Lev Patolya — Senior QA Engineer
7. Andrey Balashov — UX/UI Designer
8. Antony Zelinsky — Senior Android Engineer
9. Levan Chikvaidze — Senior iOS Engineer
10. Roman Zelinsky — Senior Backend/Infrastructure Engineer

- **Hourly rate:** 130 USD (includes 30% corporation tax of Novasama Technologies GmbH)
- **Total team hours: 7344** hours (see table below)

Theme	Man-hours Estimate (hours)							
	iOS 1.5 FTE	**Android 1.5 FTE**	**Design 1 FTE**	**QA 1.5 FTE**	**Backend 1 FTE**	**PO 0.25 FTE**	**TL 1 FTE**	**Total Team**
1-Click Swaps	492	468	120	495	0	120	420	**2115**
XCM Improvements	108	102	48	120	0	33	111	**522**
New Ledger support	126	138	57	165	0	48	147	**681**
DApp browser upgrades	84	60	12	102	0	24	96	**378**
Multisig wallets	390	390	180	300	0	96	393	**1749**
Runtime updates	48	48	0	48	0	15	36	**195**
Quality of Life upgrades	120	114	30	108	0	27	93	**492**
UAF Support	72	60	48	60	0	24	69	**333**
Off-ramp tokens	66	60	21	48	0	15	57	**267**
Price charts	120	126	42	120	45	36	123	**612**
Self-funded features								
Nova Shots	0	0	0	0	0	0	0	**0**
Debit Cards	0	0	0	0	0	0	0	**0**
MYTH Staking	0	0	0	0	0	0	0	**0**

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5.2 Infrastructure

These infrastructure costs cover operating critical infrastructure, which powers features of Nova Wallet and is used by other applications within the Polkadot ecosystem. This includes 85 indexers in the production environment, 61 indexers in the stage environment, and 4 RPC nodes in the production environment.

The indexers ensure that key features such as transaction history and governance can operate. The 4 RPC nodes ensure that users can submit transactions to specific blockchains in the event that other RPCs are down or overloaded.

Infrastructure costs since the last approval of the proposal amounted to €21,994.81 (see table below).

Month	Price
February'25	**€2,835.32**
March'25	**€3,416.69**
April'25	**€2,261.93**
May'25	**€3,355.7**
June'25	**€5,131.9**
July'25	**€4,993.27**
Total	**€21,994.81**

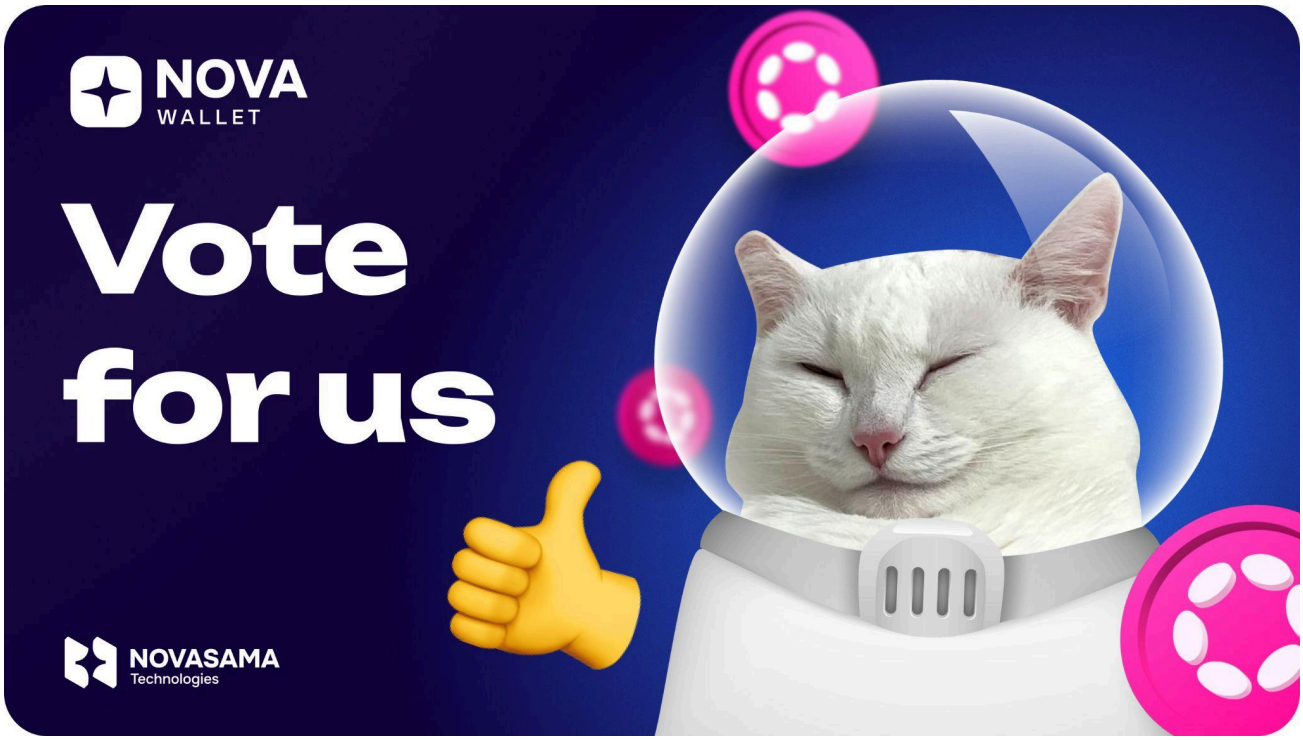
5.3 Summary

The expenses claimed for reimbursement consist of:

- costs for the team: **total team hours × hourly rate** = **130 × 7344 = $954,720.00**
- costs for the infrastructure: **€21,994.81** (which amounts to **$25,649.21** at an exchange rate of $1.17 per €)

The total costs are therefore: **$954,720.00** + **$25,649.21** = **$980,369.21**

Payment details: **980369 USDT to Novasama Technologies GmbH account**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6. Appendix.

Public demos & releases

Nova Wallet 7th Treasury proposal releases:

- 𝕏 1-Click Cross-Chain Swaps
- 𝕏 Multisig Support
- 𝕏 Extended Ledger Support
- 𝕏 Polkadot Vault v7
- 𝕏 Unified Address Format
- 𝕏 Price Charts
- 𝕏 Nova Shots
- 𝕏 MYTH Staking
- 𝕏 Mercuryo x Nova Wallet Polkadot Debit Card

Nova Wallet 6th Treasury proposal releases:

- 𝕏 Seamless DApp Browser Announcement
- 𝕏 Generic Ledger App Announcement
- 𝕏 Portfolio View Announcement
- 𝕏 Omnipool Swaps Announcement
- 𝕏 XYK Swaps Announcement
- 𝕏 Custom Fee Assets Announcement
- 𝕏 SwipeGov Multi-Language Announcement
- 𝕏 Ledger in DApp Browser Announcement
- 𝕏 Staking Inflation Update Announcement

Nova Wallet 5th Treasury proposal releases:

- Delegated Authorities – Proxies – Polkadot in Action
- 𝕏 1-Click Onboarding Announcement
- 𝕏 Push Notifications Announcement
- 𝕏 Proxy Accounts Announcement
- 𝕏 Proxy Accounts Video
- 𝕏 OpenGov Updates Announcement
- 𝕏 SwipeGov Initial Release Announcement
- 𝕏 Network Management Announcement
- 𝕏 AppLinks Announcement

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Nova Wallet 4th Treasury proposal demos:

- The Best Way to Stake – Super Simple Staking – Polkadot in Action
- Nova Wallet Demo #37 Super Simple Staking & Release Update
- Nova Wallet Demo #36 Multistaking Dashboard & New Asset Tab UI
- Nova Wallet Demo #35 Multistaking Dashboard & Community Requested Features
- Nova Wallet Demo #34 WalletConnect v2, XCM Transfers Fix, New Polkadot Treasury Propo...
- Nova Wallet Demo #33 KILT w3n integration, EVM & Ethereum networks, New Kusama Trea...
- Easy Cross-chain Transfers — Polkadot XCM — Polkadot in Action
- Next Gen Governance – OpenGov – Polkadot In Action

Nova Wallet 3rd Treasury proposal demos:

- Nova Wallet Demo #32 Polkadot Treasury grant results, Nova Wallet Roadmap 2023
- Nova Wallet Demo #31 Agile Delegation on Polkadot & Kusama, Staking Improvements
- Nova Wallet Demo #30 In-app updates notifications, Adding delegation in OpenGov on Kus...
- Nova Wallet Demo #29 DApp browser Desktop mode, Security improvements, Preview of A...
- Nova Wallet Demo #28 Moonbeam ERC-20 support, New Polkadot Treasury Proposal, Fixes...

Nova Wallet 2nd Treasury proposal demos:

- Nova Wallet Demo #27 Polkadot OpenGov improvements, New Nova Wallet branding, ERC-...
- Nova Wallet Demo #26 Kusama Treasury 2nd Grant: Governance, Cross-chain, Hardware w...
- Nova Wallet Demo #25 Gov2 — Polkadot's Next Generation of Decentralised Governance n...
- Nova Wallet Demo #24 Polkadot Governance 2.0 demo, Calamari KMA Staking
- Nova Wallet Demo #23 Polkadot Governance preview, Community requested features of Ku...
- Nova Wallet Demo #22 Polkadot Governance, TUR Yield Boost, Raresama POOP, CAPS Sta...
- Nova Wallet Demo #21 Ledger integration and Community features updates!
- Nova Wallet Demo #20 Preview of upcoming Ledger integration, Select currency, Crowdloa...
- Nova Wallet Demo #19 Parity Signer — hardware wallet for Polkadot ecosystem and Substra...
- Nova Wallet Demo #18 Watch-only wallets for Polkadot & Dotsama ecosystem, Community F...
- Nova Wallet Demo #17 Polkadot Teleports, TUR staking, RMRK v2, Network & Assets search...
- Nova Wallet Demo #16 Polkadot and Moonbeam cross-chain transfers demo, Nova website ...
- Nova Wallet Demo #15 AZERO Aleph Zero staking, MOVR/GLMR staking, Polkadot cross-ch...
- Nova Wallet Demo #14 MOVR GLMR Staking RELEASE, Astar DApp staking, 2nd Kusama pr...
- Nova Wallet Demo #13 New Kusama Treasury Proposal, MOVR and GLMR Staking progress ...

Nova Wallet 1st Treasury proposal demos:

- Nova Wallet Demo #12 Moonbeam GLMR & Moonriver MOVR staking, Polkadot cross-chain ...

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- Nova Wallet Demo #11 Kusama Treasury Grant Results walkthrough, Recent iOS/Android Up...
- Nova Wallet Demo #10 Staking updates, Upcoming features, Kusama Treasury proposal co...
- Nova Wallet Demo #9 - Design updates, 40 supported Polkadot networks, Beacon preview ...
- Nova Wallet Demo #8 - NFT release, EVM DApps, UI updates, New network: Integritee (11-0...
- Nova Wallet Demo #7 - NFT, DApp catalog, Ethereum-based DApps, new Kusama chains (2...
- Nova Wallet Demo #6 - Multi-chain & assets release, RMRK & KINT demo, NFT preview (11-0...
- Nova Wallet Demo #5: Assets in Karura, Bifrost, Moonriver, Adding Robonomics, Encointer (...
- Nova Wallet Demo #4 - Adding Polkadot parachains, DApp browser demo, Community proc...
- Nova Wallet 3nd Demo - Kusama proposal, UI improvements, QUARTZ & Bit.Country Pionee...
- Nova Wallet 2nd Demo - UI and Performance improvements, Basilisk & Altair networks (26.11...
- Nova Wallet Demo - Adding new networks "on the fly" & Multi-assets, Staking, Crowdloans (...

2. Nova Wallet social media links:

- Website: https://novawallet.io
- Twitter/X: https://twitter.com/NovaWalletApp
- Telegram group: https://t.me/novawallet
- Telegram announcements channel: https://t.me/novawallet_announcements
- GitHub: https://github.com/nova-wallet
- Canny (feature requests): https://novawallet.canny.io/feature-exploration
- YouTube: https://www.youtube.com/c/NovaWallet/
- Wiki: https://docs.novawallet.io/
- Element: https://matrix.to/#/#nova-wallet:matrix.org
- Medium: https://medium.com/@novawalletapp

3. Novasama Technologies structure

Novasama Technologies operates through 3 legal entities — Singapore (Novasama Technologies PTE LTD), UAE (FZCO), and Germany (GmbH). Due to the ongoing war that started in February 2022, we, as a Singapore company, reached out to multiple partners in the ecosystem in order to explore relocation opportunities to continue providing our services to the Polkadot ecosystem in building high-quality open-source applications & infrastructure that helps Polkadot to grow. Our employees were temporarily transferred to places such as Dubai, Finland, Uzbekistan, and Indonesia while waiting for company management to find a new home to which we can legally relocate employees and their families. Help was found, and our partners from the Polkadot ecosystem opened the GmbH entity on our behalf, thus allowing us to start the immigration process by employing our team members to the GmbH entity. Relocation is still an ongoing process, but we have already switched the billing so that the GmbH entity is the main beneficiary since there are already employees who have relocated; thus, all our future proposals (including this one) will have Novasama Technologies GmbH as the main beneficiary.