

A MEMO TO THE SORA COMMUNITY

AUGUST 2023

This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.

August 2023 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA Network development pipeline, and the progress rate has steadily advanced.

This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205043 served by SORAMITSU Helvetia to the SORA Community.

1 SORA (Substrate) – 6,284 hrs

Work this month is spread across the [XST asset platform](#), the [Substrate bridge](#), [Orderbook implementation](#) the [EVM bridge](#), [Documentation](#), and [Community Requested Features](#). The increase in hours this month corresponds to the increased workload caused by new feature releases and urgent issues raised during the release window and as reported by the community.

The XST asset platform underwent final testing before its launch, with Oracle feeds and fallback mechanisms implemented in collaboration with the Band protocol to ensure accurate pricing and frontrunning prevention.

Work on implementing an advanced mechanism to enable Order book access to the liquidity proxy while fees, market orders and limits, and support for non-divisible assets were implemented. Additionally, benchmarks were added to the Order book to monitor its performance constantly.

The Substrate bridge was a priority this month. After the audit was completed, work on implementing additional security features to the bridge, including withdrawal limits. An additional security audit on the bridge is also ongoing, as well as overall improvements. Automatic testing for the Substrate bridge is also being prepared.

As the Substrate bridge allows access to assets on the Kusama network, the team is preparing documentation to open HRMP channels with other parachains. Ongoing improvements to the SORA Kusama parachain include the implementation of SORA governance within the parachain.

The EVM bridge is undergoing a security audit, while the security analysis is being followed up to strengthen the infrastructure. Additionally, the bridge's fee management is being implemented.

Other activities include Kensetsu business and technical requirement research, as well as resource optimisation for the support of Ink! Smart contracts.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops and development support to external teams building on the SORA network.

On the mobile side, four releases were worked on this month:

- 3.1.0 (Released) included support for SORA card signups and SORA onramp, the second,
- 3.2.0 which included UX improvements, work on Google Authentication, and increased language support.
- 3.3.0 which includes support for SORA Card Phase 2
- 3.4.0 which introduces the Explore Ecosystem feature.

As well as project management activities, systems analysis, UI/UX improvements and quality assurance.

1.1 SORA Backend

- Implementation of a fallback mechanism for the Oracle data feeds for the SORA Synthetics
- Final testing of the SORA Synthetics (XST) release
- Research and implementation of a smart split mechanism to enable Order book liquidity source in liquidity proxy (swap can go through TBC, XYK, XST, Order book liquidity source)
- Implementation of Order book mechanisms
 - Fees
 - Market orders
 - Limits
- Support for non-divisible assets
- Implementation of benchmark for the Order book (analysis of the performance of the system depending on the different parameters of the Order book)
- Implementation of a limit on the withdrawals for the Substrate bridge to support the security of the assets in the network
- Support the security audit team on the Substrate bridge
- Follow up on the fixes and improvements on the implementation of the Substrate bridge
- Research documentation on opening HRMP channels with other parachains
- Maintenance and update of the Kusama parachain
- Establishing requirements for the implementation of the Governance in the Kusama parachain
- Definition of test cases for the Substrate bridge and implementation of automated tests
- EVM bridge security audit
- Follow up on the security analysis for the EVM bridge

- Implementation of fee management for the EVM bridge
- Research and establishment of business and technical requirements for Kensetsu
- Research and grooming for the support of Ink! Smart contract on SORA
- Discussions with interested parties to implement a bridge with the SORA network
- Maintenance of the pricing server
- Project management operations
(tasks management, prioritization, daily meetings, grooming)
- SORA Governance operations (communication w/ Council, Technical committee, fast-tracking motions, runtime upgrades)
- Support and collaboration with client applications teams
- Quality Assurance operations (testing)
- Systems analysis operations (analyzing tasks, establishing technical requirements to support the developers in the implementation)

1.2 Mobile App

- Implementation and testing of release 3.1.0 - SORA Card: Phase 1
- Support and monitoring of the release 3.1.0 - SORA Card: Phase 1 in production
- Communication, planning and synchronization with external partners
- Implementation and testing of release 3.2.0 - UX Improvements
(Connect with Google)
- Implementation and testing of release 3.3.0 - SORA Card: Basis for Phase 2
- Implementation and testing of release 3.4.0 - Explore SORA Ecosystem
- Project management operations (tasks management, prioritization, daily meetings, grooming)
- Product design operations
- Quality Assurance operations (testing)
- Systems analysis operations (analyzing tasks, establishing technical requirements to support the developers in the implementation)

2 Substrate (PSWAP) - 728 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Subsquid service integration to Polkaswap.
- SORA Substrate Bridge interface development.
- Standard bridge flow improvements (Bridge page)
- Order Book & limit order interface Implementation.
- Native staking UI for \$XOR.
- SORA Card improvements.
- Referral system improvements.
- Responsive design improvements on mobile devices
- Airdrop verification web application (airdrop.sora.org)
- Quality Assurance activities
- Project management activities.

3 DevOps and Security - 561 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

3.1 SORA Blockchain

- Updated CI/CD for SORA docs
- Improved CI/CD pipeline
- Updated SORA bots
- Rust CI library improved
- In progress:
 - 70% SAST for Rust implementation
 - 90% Internal audit of substrate bridge
 - 70% SORA longevity environment
 - 80% Subquery CD library

3.2 Parachain:

- Improved CI/CD pipeline
 - Benchmarking
 - Tests

3.3 Polkaswap:

- Improved CI/CD pipeline
 - Implemented extra Secret-finding tool
 - Sonar tuned

3.4 Mobile Clients:

- Updated CI/CD pipeline
 - SORA card-related improvements

3.5 SORA Card:

- Hardening is in progress.

4 Education – 954 hr

Educational operations this month included:

4.1 SORA

- Ecosystem Updates
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment)
- SORA Wiki release
- SORA Wiki awareness campaign
- SORA Polkadot Parachain Crowdloan awareness campaign
- SORA Card awareness campaign
- SORA Card AMA
- Support network upgrade v1.12.0 communication release
- Support SORA Wallet v3.2.0 ‘Connect with Google’ release
- Support network upgrade v2.0.0 communication release
- Support ADAR v1.0.5 communication release

4.2 Polkaswap

- Ecosystem Updates
- Daily social media posts (covering key features, testnet/mainnet releases, highlighting USPs, and entertainment)
- SORA Synthetics FAQ article
- SORA Synthetics listing announcements
- SORA Synthetics airdrop awareness campaign

4.3 Work in Progress

- SORA Synthetics Airdrop campaign
- Attending high-impact in-person events and business to government (B2G) expenses.

5 Total Hours – 8,527 hr

Additionally, invoice 205041 attached pertains to cloud server costs for August 2023; invoice 205042 corresponds to maintenance and operations of the Subscan service for the SORA network from August 2023 to July 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

Supporting concept updates are presented in the SORA Ecosystem Updates published on [August 18](#) & [August 31](#) and Polkaswap updates on [August 18](#) & [August 31](#), respectively.

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Invoice

| | | | |
|--------------------------------|---|---------------------------------------|---------------------------------|
| Invoice for SORA.org | Payable to SORAMITSU Helvetia AG | Issue Date 6 September 2023 | Invoice Number 205041 |
| | Project Cloud Service Provider Cost for August 2023 | Due Date 21 September 2023 | |

| Description | Amount (USD) |
|---|--------------|
| Cloud Service Provider Cost for August 2023 | 3,326.00 |

| | |
|----------|-------------------|
| Subtotal | \$3,326.00 |
| Tax | 0,00 |

Total Amount Due

USD \$3,326.00

* Payment can be made in equivalent TBCD, at the market rate.

Wallet Address (TBCD): `cnSdaRU29YK4AePFXpzKtKTcDRvZGcGwseBCxJbrDr7GHRVyU`

Thank you very much for your business. We are looking forward to serving you again.

SORAMITSU Helvetia AG
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Switzerland

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Invoice

| | | | |
|--------------------------------|--|---------------------------------------|---------------------------------|
| Invoice for SORA.org | Payable to SORAMITSU Helvetia AG | Issue Date 6 September 2023 | Invoice Number 205042 |
| | Project Subscan Service from Aug 2023 to July 2024 | Due Date 21 September 2023 | |

| Description | Amount (USD) |
|---|--------------|
| Subscan Service: Operation and Maintenance Standard Plan - SORA | 7,670.40 |
| Billing Period from 01/08/2023 to 31/07/2024 | |

| | |
|----------|-------------------|
| Subtotal | \$7,670.40 |
| Tax | 0,00 |

Total Amount Due **USD \$7,670.40**

* Payment can be made in equivalent TBCD, at the market rate.

Wallet Address (TBCD): `cnSdaRU29YK4AePFXpzKtKTcDRvZGcGwseBCxJbrDr7GHRVyU`

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Invoice

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|--------------------------------|--|---------------------------------------|---------------------------------|
| Invoice for SORA.org | Payable to SORAMITSU Helvetia AG | Issue Date 6 September 2023 | Invoice Number 205043 |
| | Project Development Cost for August 2023 | Due Date 21 September 2023 | |

| Description | Quantity (Work-Hours) | Discounted Unit Price (USD) | Amount (USD) |
|-------------------------------|--------------------------|--------------------------------|-----------------------|
| SORA (Backend, Mobile Apps) | 6,284 | 200.00 | 1,256,800.00 |
| Polkaswap (Backend, Frontend) | 728 | 200.00 | 145,600.00 |
| DevOps and Security Review | 561 | 200.00 | 112,200.00 |
| Education | 954 | 200.00 | 190,800.00 |
| Subtotal | 8527 | 200.00 | \$1,705,400.00 |

| | | |
|--|----------|-----------------------|
| | Subtotal | \$1,705,400.00 |
| | Tax | \$0.00 |

Amount Due **USD \$1,705,400.00**
Grand Total Due (Invoice 205041, 205042 & 205043) **USD \$1,716,396.40**

** Payment can be made in equivalent TBCD, at the market rate.*

Wallet Address (TBCD): **cnSdaRU29YK4AePFXpzKtKTcDRvZGcGwseBCxJbrDr7GHRVyU**

Thank you very much for your business. We are looking forward to serving you again.



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