



Telos Core Developers

TELOS CORE DEVELOPERS – WORKER PROPOSAL #1

submission date: 2019-03-05 | approximate close of voting: 2019-04-03

Telos maintains its own group of core developers that update the eos.io reference code, find and remove bugs and vulnerabilities, and add new features like TIPFS. Until 2018-12-08, all Telos Core Developer work was paid as part of the Telos Founders Rewards Pool. However, **since that date, all development work has been unpaid with the intent to submit worker proposals once they were deemed ready.** For more information on the Telos Core Devs and their current projects see: <https://telosfoundation.io/roadmap>

WORK PERFORMED TO DATE

Since the vote to launch, the Telos Core Developers have been working on the following high value projects for Telos:

- Testing and merging updates in the reference eos.io code released by Block One on an ongoing basis.
- Performing updates and fixes to system contracts revealed by and necessary for the Telos mainnet launch and activation process.
- Updating the Trail voting system to versions 1.1 and then 1.2 in order to make voting more functional and user-friendly and less gameable by tactics like wash-trading.
- Developing the Arbitration contract—perhaps the most complex contract in eos.io apart from the system contract itself. The TLG decided to launch the mainnet with the Arbitration contract unfinished beyond the voting functions with the intent to build it while arbitrator elections were taking place. Otherwise, the mainnet would not have launched yet.
- Building online voting portal pages and a back-end system to support user voting apart from the functions in Sqr1 wallet.
- Updates to Sqr1 wallet to keep up with new voting and governance features, token tracking, and bug reports.
- Development of tools including Chainspector.io, the BP kick monitoring bot “Kickbot”, Telegram bots to monitor Telos price, RAM price changes, and Telos free account generation.
- Performing and validating the snapshots at block 6 million and 12 million.
- Troubleshooting and identifying problems discovered on the Telos Stagenet.
- Miscellaneous testing and bug isolation.

With this worker proposal, The TCD seeks to recoup costs for development work already performed.

PARTICIPANTS:

GoodBlock performed the largest portion of the development work, leading development on upstream code merges, launch fixes to contracts, improvements to the Trail voting system, and development of the Arbitration contract. Excluding a one-week end-of-year holiday, The GoodBlock team performed 11 weeks of continuous work, primarily by developers Peter Bue, Craig Branscom and Ed Silva with project management by James Davis and consulting by Douglas Horn. GoodBlock’s 11 weeks comes out to approximately 1,400 developer-hours of work. **This does not include work performed on TIPFS development, which is incomplete and will be applied for on a future proposal.**



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EOSphere took on the large task of developing online voting portals and the necessary back end to support Scatter interaction for arbitration, worker proposals, and ratification or amendment of governance documents. They have contributed three people—Torbin Anderson, Brendon Ross, and Ignatius Widjaja to this effort over five weeks so far.

Marlon Williams of Telos Miami has performed on-going and often rapid fixes and improvements in Sqr1 wallet to keep up with changes in other development arenas.

The Telescope has created a number of online tools, and interfaces for Telos users including Chainspector.io and the Telegram free Telos account generator.

The Telos Original snapshot was captured and verified by Jesse Schulman of CalEOS, J.T. Buice of KainosBP, Mikel Seguro1a of Telos Madrid, and Stephanie Sunshine of GoodBlock, with additional work performed by Jesse Schulman to record the snapshot values onto the Telos testnet and mainnet.

Josep Rosich of eosBarcelona created a Telegram price-checking bot and a RAM price monitoring bot.

Kevin Quaintance of Telos Global created a bot to monitor when and why Telos BPs are kicked.

Cesar Rodríguez of Nebula Protocol uncovered at least one significant bug and proposed a solution.

THE PROPOSAL

This proposal for the Telos Core Developers would create a single transaction to receive payment for work performed to date since the vote to launch the Telos mainnet, which closed out payment for work performed under the Telos Launch Group. GoodBlock will submit for work performed to during that period including a partial payment on the Arbitration contract, as more work is required, and no work on Telos IPFS to date will be charged until a future TCD worker proposal.

EOSphere will also submit partial payment for their work on voting portals and the back end, with the anticipation of another payment in the next TCD worker proposal. All other TCD contributors who have performed work will submit this worker proposal as a request payment thereof.

This worker proposal reflects work already performed and delivered to the system.

The TCD is submitting this proposal as a group because all work performed has added value to the Telos blockchain. If this proposal is accepted by the Telos voters, a single transaction will be created into the account 'teloscoredev' and immediately disbursed to each of the contributing companies as detailed in the table below.

ECONOMICS OF THE PROPOSAL

This proposal requests a single-cycle payment of 800,000 TLOS. This is approximately 53% of the 1,502,990 TLOS that will have accumulated in the worker proposal savings account (eosio.saving) as of April 3rd, 2019, when the worker proposal election is likely to be complete. Passage of this proposal would leave about 702,990 TLOS for other proposals or to accumulate. The worker proposal savings account accrues an additional 430,000 TLOS (approx) every 30 days. For calculation purposes, this proposal values TLOS at USD \$0.10/TLOS—a recent high price. The actual price of TLOS at the time of submission is approximately \$0.075/TLOS or a 25% below the



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noted price. The TCD accepts this price discrepancy. Every member of the TCD is requesting an amount well below their actual hours worked over this nearly three-month period and a significantly lower rate of pay than they would be able to charge on similar work projects. Everyone in the TCD believes in Telos and accepts that there is a maximum amount that could be charged given the current TLOS token price and the amount of work necessary to build the Telos blockchain.

| Team | Tasks | TLOS | USD @ \$0.10 | Hrs @ \$60 |
|-----------------|-----------------------------|----------------|-----------------|-----------------|
| GoodBlock | Upstream code merges | 120,000 | \$12,000 | 200 |
| GoodBlock | Launch fixes to contracts | 120,000 | \$12,000 | 200 |
| GoodBlock | Trail voting improvements | 120,000 | \$12,000 | 200 |
| GoodBlock | Arbitration - pmt 1 of 2 | 78,000 | \$7,800 | 130 |
| EOSphere | Voting portals - pmt 1 of 2 | 120,000 | \$12,000 | 200 |
| Telos Miami | Sql wallet updates | 50,000 | \$5,000 | 83.33 |
| The Telescope | Tool development | 40,000 | \$4,000 | 66.67 |
| CalEOS | Snapshots + misc | 40,000 | \$4,000 | 66.67 |
| KainosBP | Snapshots+ misc | 32,000 | \$3,200 | 53.33 |
| Telos Madrid | Snapshots + misc | 32,000 | \$3,200 | 53.33 |
| eosBarcelona | Price-bot dev + misc | 16,000 | \$1,600 | 26.67 |
| Telos Global | Kick-bot dev + misc | 16,000 | \$1,600 | 26.67 |
| Nebula Protocol | Testing/bug isolation | 16,000 | \$1,600 | 26.67 |
| TOTAL | | 800,000 | \$80,000 | 1,333.33 |

This worker proposal, if approved by the Telos voters will send **800,000 TLOS** in **1 cycle** to **'teloscoredev'** for which GoodBlock holds the keys and accepts the responsibility for disbursing the following amounts to the other participants upon receiving payment for an accepted worker proposal. The other members of the TCD have entrusted GoodBlock to collect and disburse these funds. If this proposal is approved by the Telos voters.

- EOSphere: 120,000 TLOS
- Telos Miami: 50,000 TLOS
- The Telescope: 40,000 TLOS
- CalEOS: 40,000 TLOS
- Kainos BP: 32,000 TLOS
- Telos Madrid: 32,000 TLOS
- eosBarcelona: 16,000 TLOS
- Telos Global: 16,000 TLOS
- Nebula Protocol: 16,000 TLOS

Please vote to support the Telos Core Developers. **This proposal is for nearly three months of unpaid work already performed—future TCD proposals will not be for such a large amount.** Building a pattern of successful worker proposals will attract more developers to join the Telos Core Developers and build Telos into the world's greatest blockchain.