# Article XVI - v0.3.0 Draft EOS.IO Constitution - Amendment[[1]](#footnote-1)

# Purpose

Establishes the rule for amending the governing documents and the system.

# Text of Article

This Constitution and its subordinate documents the Block Producer Agreement and Arbitrator Agreement shall not be amended except by a vote of the Token Holders with no less than 15% vote participation among eligible tokens and no fewer than 10% more Yes than No vote power, sustained for 30 continuous days within a 120 day period.

# Discussion

The term "vote power" indicates that a person's vote is tallied based on their number of tokens staked for CPU and bandwidth, as handled by the system software.

The voting called for here can be, but need not be, conducted via a system-level contract. It must be handled on-chain.

The phrase "according to the terms of the then-current system contract" captures, at this time, these expectations in the software specification (see GitHub issue #2226):

* Anyone can propose a new system contract.
* Deposit of 1,000 EOS tokens is required. Get back 90% if & when it passes.
* Proposal is a binary of the new system contract plus a Proposed Tx to install it; up to the proposer to validate and/or prove to voters that the binary comes from valid source code; will probably want to publish their toolchain so others can verify it. Verification is a social activity.
* Identity contract can be used to create an identity for the proposal and make attestations about it.
* It's large but the RAM will be covered by the system or referendum contract.
* Voting will be open for up to 120 days.
* Voter can vote YES or NO or withdraw their vote entirely (which reduces 'voter turnout').
* Voter pays the RAM to store their vote; erase votes after voting ends.
* Proposed new system contract is adopted once it meets these criteria:
  + Maintains a margin of 10% more YES than NO votes (55%+ in favor).
  + Maintains a minimum 10% "voter turnout" (10% of circulating tokens have been voted).
  + Maintains the above two criteria for 30 days continuously within the 120 day window. (Obviously if they are below 55% YES or 10% turnout at any point with less than 30 days remaining in the 120 day window, the proposal dies on the spot.)
* Having passed, the Proposed Tx to install the new system contract is signed by the BPs; it takes immediately after 15 BPs have signed it.
* The Emergency Upgrade process is different and not covered in this issue.

Other comments and implications of the requirements:

Anyone who pays the fee and invokes the Referendum contract can propose an upgrade

* We can have any number of proposals open for voting. If multiple pass, they should be implemented in the sequence in which they passed.
* BPs are expected by the BP Agreement to perform upgrades; failure to do so would be a violation of their agreement and would subject them to Disputes, loss of reputation, loss of votes, etc.
* It should be publicly inspectable that the system contract proposed, and the Proposed Tx to install it, is the one signed by the BPs.
* Both YES and NO votes should be possible, on an unlimited number of proposals.

# References

None yet.

## Change History

12-May-2018: updated Discussion text to reflect 120 day voting period, not 90 day.

1. https://forums.eosgo.io/discussion/820/article-xvi-v0-3-0-draft-eos-io-constitution-amendment [↑](#footnote-ref-1)