

Interesting proposal but I think the 4 second liveness requirement needs to be more seriously considered. IMHO the first principles for any design need to be - does this proposal increase ethereum's consensus stability and censorship resistance against wealthy and state-level actors.

If I summarise (please correct me if I'm wrong)

Pros:

- more consensus stability due to less reorgs
- fairer MEV distribution which leads to less centralisation of validator pools which leads to less coercive control on ethereum by nation states

Cons:

- easier for state level actors to disrupt the network with bad network conditions or incentivised DOS
- harder to run validators through private networks such as mixnets and Tor^{[1][2]}

More exploration of cons may be helpful to show that the pros are indeed more significant.