

Arbitrum One currently has an allowlist for validators ([The state of Arbitrum's progressive decentralization | Arbitrum DAO - Governance docs](#)). My question is what determines when is the turn for which validator to submit new state roots to L1? Furthermore, once the allowlist is removed, how should such coordination among (permissionless) validators be conducted?

Right now, many of the allowlisted validators do not seem to be doing anything (e.g., 0x0fF813f6BD577c3D1cDbE435baC0621BE6aE34B4), while other validators seem to be fulfilling most of the proposer role (e.g., 0x83215480dB2C6A7E56f9E99EF93AB9B36F8A3DD5). Apparently, the allocation of load among proposers is not even, but I cannot find any information about what the allocation rule is.

Relatedly, if in the future we were able to figure out a fair and orderly way to coordinate the actions of proposers, then why do we need the sequencer anymore? That is, it seems that the proposers can combine the task of sequencing and proposing assuming an orderly proposing sequence?