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: Note, this discussion precedes the current specs and those should be referred to for concrete details.

As far as I know, there has been little thinking that has gone into this. General research would be appreciated.

Prompts/questions:

- What consensus algorithms are options for us given that we require low latency (maybe responsiveness)? What other properties would we want.
- The main functionalities of SUAVE consensus nodes we have listed are maintaining the mempool, maintaining attestation/mempool DA layer and maintaining SUAVE global state. Should these be separated out? Which protocols serve which needs better.
- What are our geographical decentralisation requirements? ([@phil](#))
- We likely need single-slot finality so that we can ensure kettles are running on the correct state. What is the impact of forks on the network?

Candidates off top of head:

- Multiplicity
- Narwhal and related (?)
- Themis (added benefit of allowing applications to attempt FCFS if they really want to try)