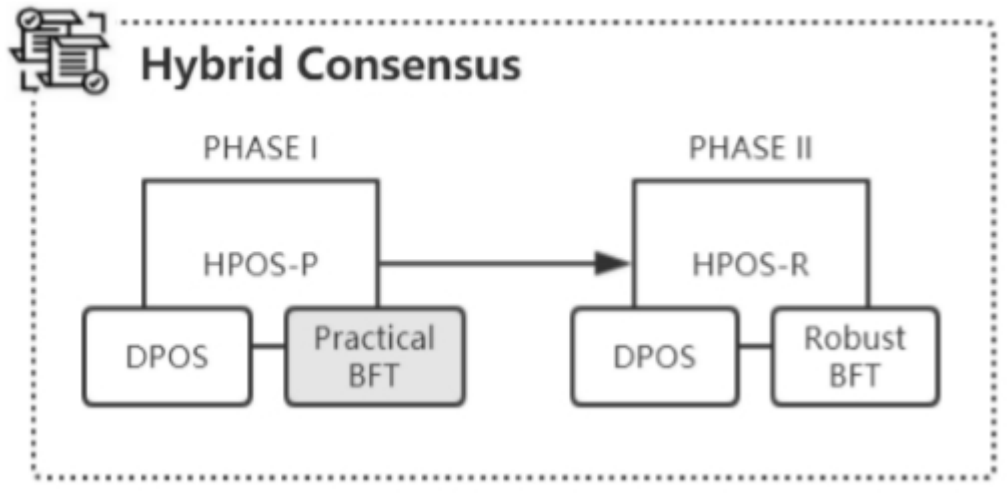# Dimension | Progress Report — July 2019

1. Technical Progress

The development progress of the Dimension project is progressing in an orderly manner. The main points of technical progress in July are as follows:

Hybrid Consensus

- The underlying code development of the DPOS+PBFT hybrid consensus is completed.
- HPoS-P consensus algorithm can reach 8000TPS on the test net.
- RBFT, based on the Hotstuff algorithm, has a definite development plan for Q3
- The construction of the converting consensus algorithm model of HPoS-P and HPoS-R is completed.
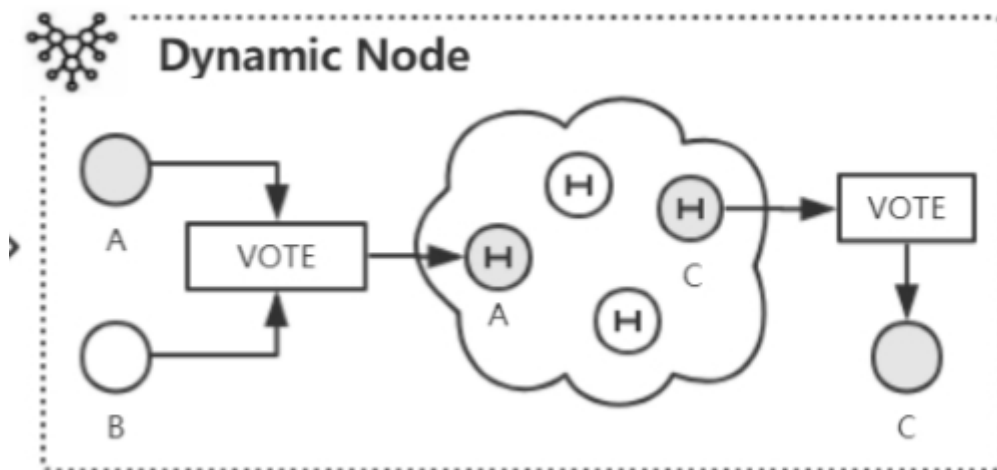
Dynamic Node

- The node registration proposal mechanism involved with the contract interface ports are completed.
- The joining, approving, and removing procedures of new-entry nodes are tested and approved.
- The scheduling mechanism of underlying code DN-Core:

A：The broadcast mechanism code has been completed and tested.

B：The buffering mechanism framework of the newly added node has been built.

ConsensusX

- The coding of the consensus switching proposal process has been completed and is under test.
- Prefabricated mainstream consensus algorithm has been completed.
- The open consensus algorithm interface API (initial, load, etc.) is partially completed.

ConsensusX

POW
POS
POA
DPOS
DPOS+BFT
POC