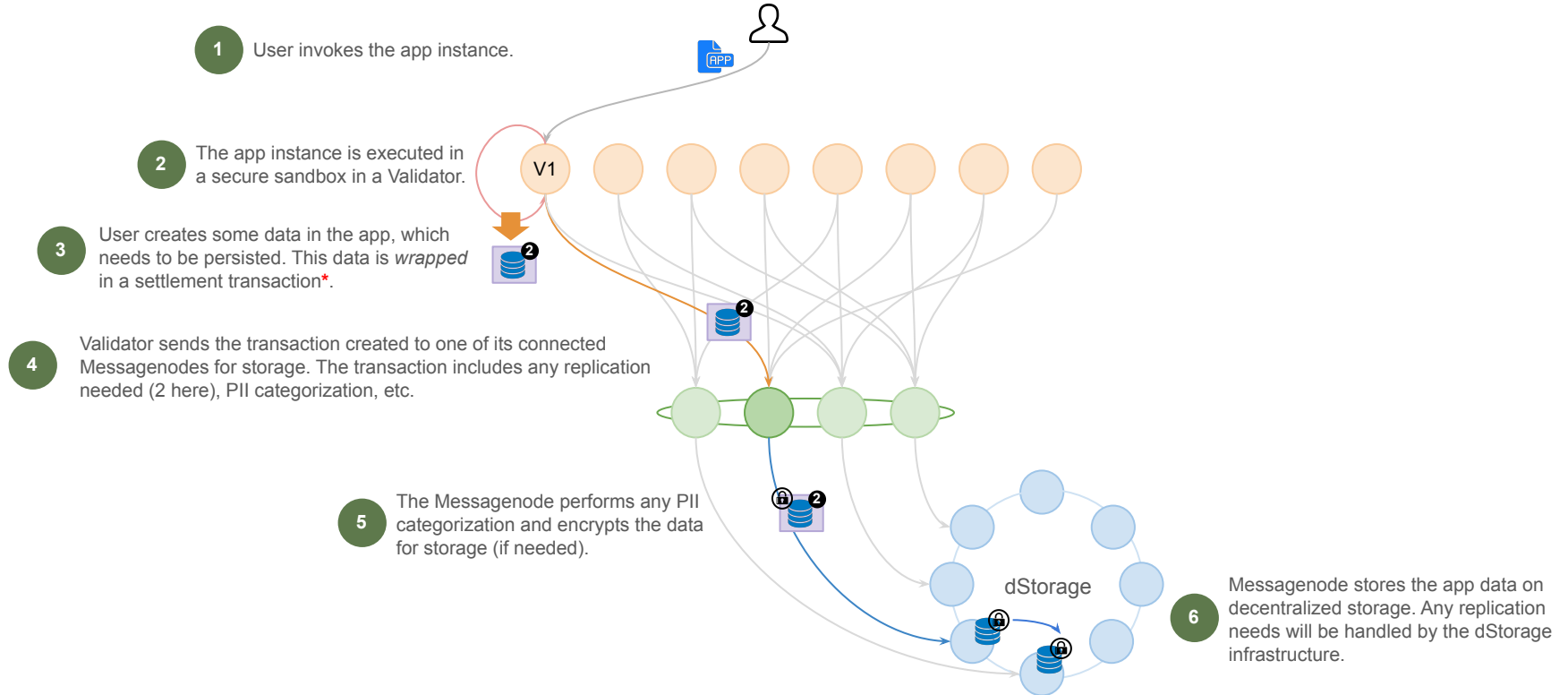


How Storecoin market works?

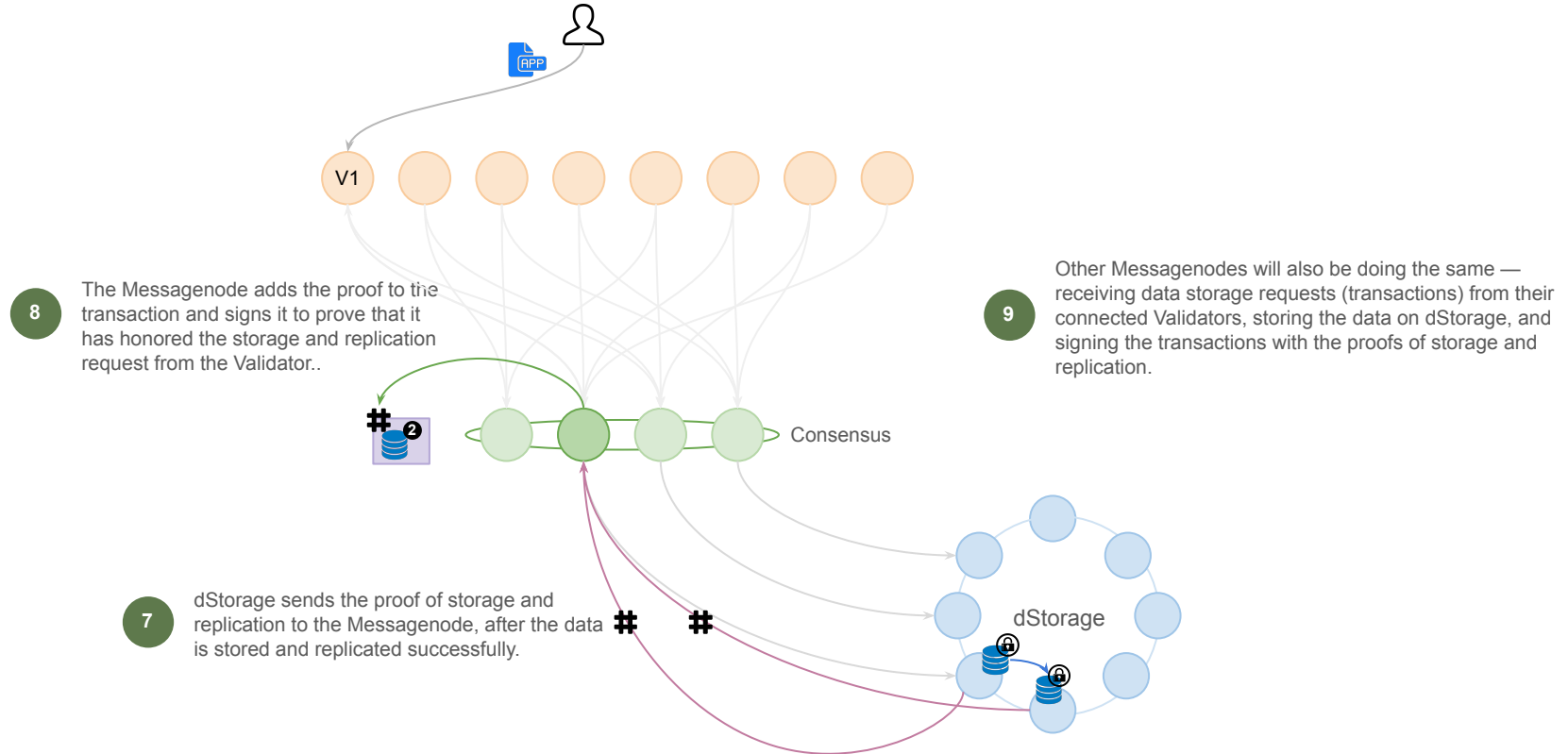
When users create data it is wrapped in a transaction and sent to Messagenodes for storage.



* Transaction type — `TXN_APP_DATA`.

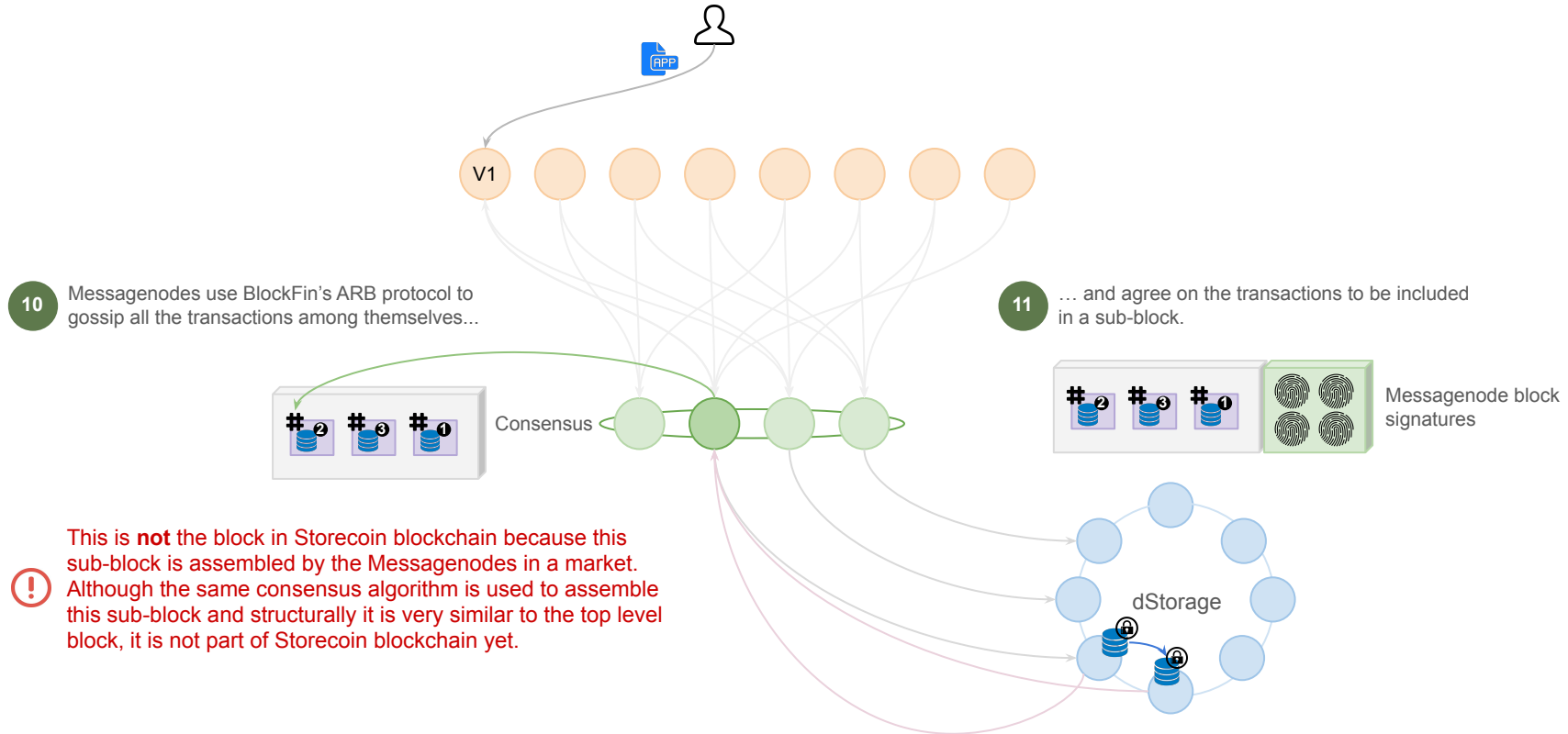
How Storecoin subnetwork works (continued)?

The proof-of-storage and proof-of-replication (if requested) are generated for the transaction.



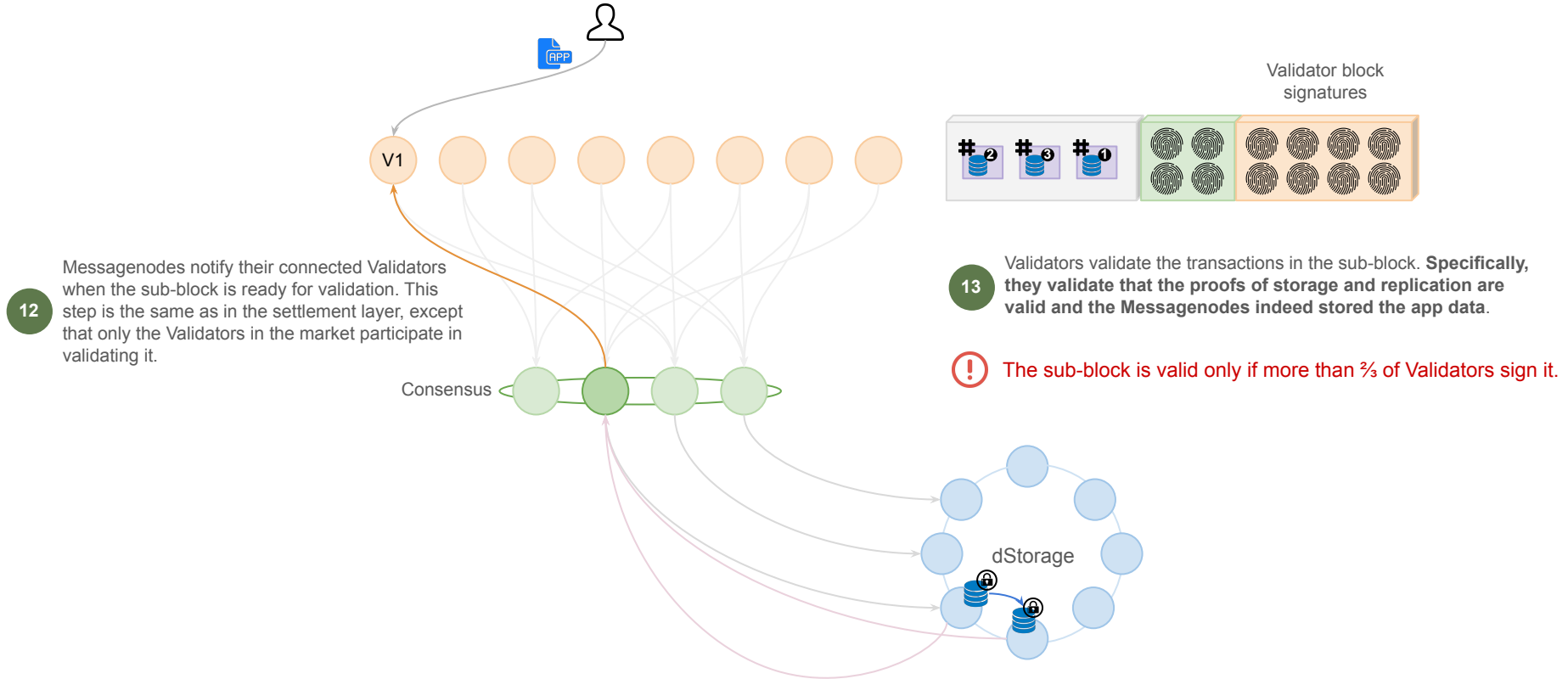
How Storecoin subnetwork works (continued)?

Messagenodes use BlockFin's ARB protocol to assemble all such transactions into a sub-block.



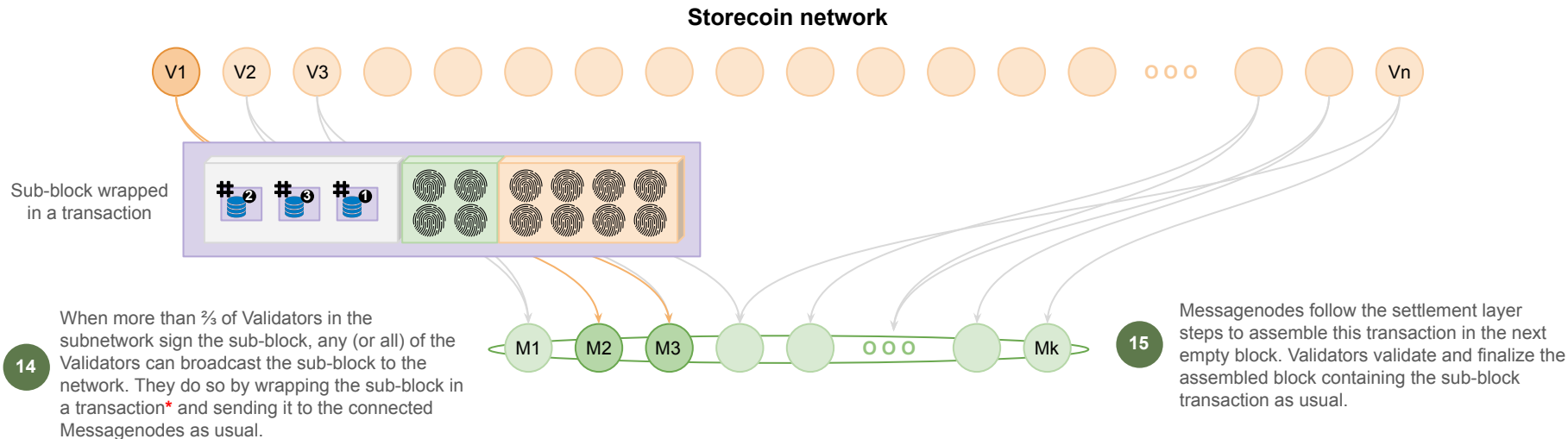
How Storecoin subnetwork works (continued)?

Validators validate the transactions in the sub-block and sign it if proof-of-computation-and-storage is valid.



Making sub-block visible to the entire Storecoin network

The sub-block is visible only within the subnetwork. It is secured by broadcasting it to the entire network.



! This is settlement layer consensus and block validation. In this phase, **all** Validators participate in verifying the proofs of storage and replication in the sub-block. The wrapped transaction is valid, only if more than $\frac{2}{3}$ of total Validators agree.

* Transaction type — `TXN_SUB_BLOCK`.