**Constraints**

* The bandwidth requirements of the blockchain must be lower than the capacities of about 75% of the network nodes in the system. (If the requirements are too high, only some of the nodes will be able to process blocks which will lead to centralization of control.)
* The timestamp contained in each block, which indicates its creation time, must have at most three hours of deviation.
* There must be a uniform access among all network nodes such that no network node must wait for another node to transmit more than one block.
* The blockchain must not accept a transaction which has more data than the maximum size of a block.
* The blockchain must not accept a block which does not a contain a particular key which indicates its validity.
* The time required for creating a new block must be less than 20 minutes.
* The block size must not be more than 1 MB.
* The contents of the transactions must not be open to third parties.

<http://www.multichain.com/blog/2016/03/blockchains-vs-centralized-databases/>

<http://www.jenitennison.com/2015/05/21/blockchain.html>