

6 Verbetes sobre Blockchain

1. Blockchain

ledger distributed in a decentralized network with blocks confirmed by consensus mechanism, with time stamp, organized in a sequential chain just attached using cryptographic links

Note 1 to entry: Blockchains are designed to be tamper resistant and to create final, definitive and immutable ledger records.

2. Consensus

Collaborative process that members of a distributed network use to agree that a transaction is valid, and keep the ledger consistently in sync.

Agreement among DLT nodes that 1) a transaction is validated and 2) that the distributed ledger contains a consistent set and ordering of validated transactions

Note 1 to entry: Consensus does not necessarily mean that all DLT nodes agree.

Note 2 to entry: The details regarding consensus differ among DLT designs and this is a distinguishing characteristic between one design and another.

3. Cryptocurrency

crypto-asset designed to work as a medium of value exchange

Note 1 to entry: Cryptocurrency involves the use of decentralized control and cryptophy to secure transactions, control the creation of additional assets, and verify the transfer of assets.

4. Cryptography

discipline that embodies the principles, means, and methods for the transformation of data in order to hide their semantic content, prevent their unauthorized use, or prevent their undetected modification

5. Distributed ledger

ledger that is shared across a set of DLT nodes and synchronised between the DLT nodes using a consensus mechanism

Note 1 to entry: A distributed ledger is designed to be tamper resistant, append-only and immutable containing confirmed and validated transactions. [SOURCE: ISO 7498-2:1989, 3.3.20, modified — the NOTE has been removed.]

6. Token

It is a digital asset used in a transaction carried out on a **blockchain**. A token can be native to the blockchain, like a cryptocurrency, or it can be a digital representation of an asset outside the chain (known as an **tokenized asset**), for example, representative of a fraction of a property.

Fonte: ISO.ORG