
Introduction to IBS Network (International Blockchain System)

The IBS network is an international blockchain system designed with a unique architecture focused on the **mining of national currencies**. Unlike conventional blockchain systems that rely on global cryptocurrencies, IBS operates such that **only one specific national currency is mined per block cycle, and miners are rewarded exclusively in that same currency**.

IBS is fully independent from fiat-based financial systems and does not support any form of international cryptocurrencies. The system integrates real-world **economic indicators** of each country to determine reward distribution and mining parameters.

Cryptographic Algorithms and Consensus Mechanism

IBS utilizes the SHA-256 hashing algorithm to ensure the security and integrity of its blockchain data. Combined with the **Merkle Tree** structure, it allows for scalable and efficient transaction verification.

The consensus mechanism is based on **Proof of Work (PoW)**, optimized for GPU performance, and guarantees decentralization, security, and data immutability.

Mining Model and Reward Structure

Within IBS, each block corresponds to the mining of a specific **national currency**. For example, one block cycle may be based on the Euro (EUR), the next on the Canadian Dollar (CAD), followed by the UAE Dirham (AED), and so on.

The block reward is always paid in the same national currency defined for that block, and no tokens, international cryptocurrencies, or fiat intermediaries exist in the IBS system.

Reward rates for each currency are pre-defined and remain stable. They are determined using real economic metrics such as:

- National inflation rates
- Energy cost levels
- Macro-economic stability
- Country productivity indices

Role of Full Nodes and Decentralization Process

In its initial deployment phase, **full nodes are hosted within the infrastructure of selected banks and financial institutions**, using high-performance servers provided by the core development team.

This strategy ensures stability, security, and optimal performance in the early stages of the network. As the system matures, **IBS will progressively decentralize**, allowing independent institutions, organizations, and individuals to operate their own full nodes.

Key Features of IBS Network

- Block generation is based solely on real-world national currencies
- Mining rewards are issued exclusively in the corresponding block currency
- The system is completely independent of traditional cryptocurrencies and fiat systems
- Reward structures are tied to national economic indicators
- Initial centralized infrastructure through banks, with a clear path toward decentralization
- Enhanced security and scalability via SHA-256 + Proof of Work