
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