Digital Token Identifier

Providing market transparency for digital assets

The increasing adoption of distributed ledger technology in the traditional financial sector and the rapid growth of the decentralised crypto ecosystem have led to heightened demand by public authorities and market participants for identifying digital tokens within these networks, where they are issued, traded, settled, or stored.

What is a DTI?
A Digital Token Identifier (DTI) is a global identification standard for digital tokens and is defined by the International Organisation for Standardisation's ISO 24165.

What does a DTI convey about a digital token?
Each DTI is a random, unique combination of nine alphanumeric characters allocated to a token. A DTI uniquely identifies the digital token and unambiguously links it to the distributed ledger it is deployed on.

What are the benefits of using DTIs?

- **Transparency**: Identification of the digital token, its location on a public or private blockchain, and link to underlying assets, if relevant.
- **Interoperability**: Standardised method to distinguish between different ledgers and tokens.
- **Uniqueness**: DTI is based on the digital token's unique and verifiable origins on the distributed ledger data structure.
- **Consistency**: Ability to distinguish original, legitimate tokens from newly created digital tokens following fork events.
- **Scalability**: A unified token identifier method supports scalability and resilience to the currently fragmented crypto-asset industry.

What is the scope of the DTI?
The scope of DTI use includes all fungible digital assets which use distributed ledger technology for their issuance, storage, exchange, record of ownership, or transaction validation. Among others, DTIs can be assigned to:

- **Security tokens** (including both native digital assets and tokenised traditional financial assets)
- **Asset-backed tokens** (also known as asset-referenced tokens or stablecoins)
- **Crypto-assets** (based on the FSB’s definition, also referred to as cryptocurrencies)

Who can use a DTI?
All DTIs are found on the DTI Registry. Users, among others, include:

- **Security token market participants** to recognise, safekeep, track, and analyse DLT financial instruments.
- **Regulators and central banks** for enhanced market oversight, insights on at-risk instruments and trades, market abuse and AML/CTF.
- **Crypto-asset market participants** for greater transparency on token tracking and verification.

Resources
See the DTIF webpage and registry.

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