

## Regulated tokens

Regulated tokens are tokens traded under designated conditions. For instance, only certain «whitelisted» addresses are permitted to trade. This means tokens cannot be sent to a non-whitelisted address, or bought by one on DEX, until the address owner has conducted the preliminary accreditation process.

The most popular use case for regulated tokens is Security Token Offerings (STOs). In an STO, a Security token is issued, as opposed to a Utility token. Security tokens are backed by real assets such as stocks, and the holders are entitled to dividends and other shareholder privileges.

The issuance and sale of Security tokens involve compliance with securities regulations in the relevant jurisdiction. This, in turn, forces the token issuer to compile a whitelist of accredited individuals who are allowed to buy that asset.

We would like to simplify the technical side of the token issuance process on the Waves Platform. The task is to prepare a set of smart contract examples corresponding to the documentation and administrative tools for the whitelist. As a result, any user will be able to allow circulation of their token only to addresses from a manageable whitelist.

Waves tools to be used:

- Smart Assets
- Data Transaction
- Waves Keeper
- DEX Matcher



Timeframe

1-2 weeks.

 Results

Completion of work can be proven by:

1. A detailed, illustrated manual on issuing regulated tokens and code samples on a separate landing page or in a Medium post.
2. A web interface for administering the whitelist of addresses allowed for trading and transfer of this token, including adding and removing addresses.
3. Source code on GitHub.
4. A demo version with an example of regulated token issuance and an interface for administering the whitelist.

*The goal of this description is to outline possible approaches to this objective. Maintaining these guidelines is not mandatory. You are welcome to come up with your own ideas for implementing this task.*

*If you have your own approach to solving this task or ideas/preliminary work, please apply and we will consider your solution.*