District0x Token
Smart Contracts Audit

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This document is the audit of District0x Token smart contract performed by SMCAuditors.

1. Executive Summary

This report was written to provide a security audit for District0x token smart contract. District0x is a network for decentralized marketplaces. District0x token is a standard ERC20 token (MiniMeToken clone) with vesting, burning and multisig integrations. SMCAuditors conducted the audit focusing on whether District0x token smart contract is designed and implemented without any security vulnerabilities. The contract is listed below with its link.

- https://etherscan.io/address/0x0abdace70d3790235af448c88547603b945604ea #code

We have run extensive static analysis of the codebase as well as standard security assessment utilising industry approved tools. There are no critical/high level issues with the currently deployed token contract. Our low level findings are available in the next section.

2. Audit Findings

Low Level Findings

❖ Owner/controller can generate tokens according to the allowance. Consider privileges given and consider renouncing ownership.
❖ Consider moving vesting functionality to a separate contract to make the code less prone to errors.
❖ Token owner/controller can freeze transfers. As in line 564 to 566 below; if transfersEnabled == false, tokens cannot be transferred by the users, however they can still be created, destroyed, and transferred by the controller.

```
// Allows tokens to be transferred if true or frozen if false
function enableTransfers(bool _transfersEnabled) onlyController
```

The token controller is not required for the token to function, if there is no reason to generate/destroy/transfer tokens, consider setting the token controller to 0x0 address and this functionality will be disabled.

3. Conclusion

In this audit, we thoroughly analyzed the District0x token smart contract. There are no critical/high level issues with the currently deployed token contract.

4. Disclaimer

This report is not advice on investment, nor does it guarantee adequacy of a business model and/or a bug-free code. This report should be used only to discuss known technical problems. It will be necessary to resolve addressed issues and conduct thorough tests to ensure the safety of the smart contract.