



Cyberscope

Audit Report

TurboAI

May 2023

Network BSC

Address 0x0D51a64FE6b7D98aA16eF19A008C69562Ed27159

Audited by © cyberscope

Table of Contents

Table of Contents	1
Review	2
Audit Updates	2
Source Files	3
Findings Breakdown	4
Analysis	5
Diagnostics	6
L19 - Stable Compiler Version	7
Description	7
Recommendation	7
Functions Analysis	8
Inheritance Graph	9
Flow Graph	10
Summary	11
Disclaimer	12
About Cyberscope	13

Review

Contract Name	TurboAI
Compiler Version	v0.8.19+commit.7dd6d404
Optimization	200 runs
Explorer	https://bscscan.com/address/0x0d51a64fe6b7d98aa16ef19a008c69562ed27159
Address	0x0d51a64fe6b7d98aa16ef19a008c69562ed27159
Network	BSC
Symbol	TURBOAI
Decimals	18
Total Supply	69,000,000,000

Audit Updates

Initial Audit	10 May 2023
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Source Files

Filename	SHA256
@openzeppelin/contracts/access/Ownable.sol	9353af89436556f7ba8abb3f37a6677249a a4df6024fbfaa94f79ab2f44f3231
@openzeppelin/contracts/token/ERC20/ERC20.sol	5031430cc2613c32736d598037d3075985 a2a09e61592a013dbd09a5bc2041b8
@openzeppelin/contracts/token/ERC20/extensions /ERC20Burnable.sol	0344809a1044e11ece2401b4f7288f414ea 41fa9d1dad24143c84b737c9fc02e
@openzeppelin/contracts/token/ERC20/extensions /IERC20Metadata.sol	af5c8a77965cc82c33b7ff844deb9826166 689e55dc037a7f2f790d057811990
@openzeppelin/contracts/token/ERC20/IERC20.sol	94f23e4af51a18c2269b355b8c7cf4db800 3d075c9c541019eb8dcf4122864d5
@openzeppelin/contracts/utils/Context.sol	1458c260d010a08e4c20a4a517882259a2 3a4baa0b5bd9add9fb6d6a1549814a
contracts/TurboAI/TurboAI.sol	6d15519282e46e3627a6abcdd20ce25a68 6784f5528ab175c1005a14d2d8add7

Findings Breakdown



● Critical	0
● Medium	0
● Minor / Informative	1

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	0	0	0	0
● Medium	0	0	0	0
● Minor / Informative	1	0	0	0

Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OCTD	Transfers Contract's Tokens	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	ULTW	Transfers Liquidity to Team Wallet	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Diagnostics

● Critical ● Medium ● Minor / Informative

Severity	Code	Description	Status
●	L19	Stable Compiler Version	Unresolved

L19 - Stable Compiler Version

Criticality	Minor / Informative
Location	contracts/TurboAI/TurboAI.sol#L2
Status	Unresolved

Description

The `^` symbol indicates that any version of Solidity that is compatible with the specified version (i.e., any version that is a higher minor or patch version) can be used to compile the contract. The version lock is a mechanism that allows the author to specify a minimum version of the Solidity compiler that must be used to compile the contract code. This is useful because it ensures that the contract will be compiled using a version of the compiler that is known to be compatible with the code.

```
pragma solidity ^0.8.19;
```

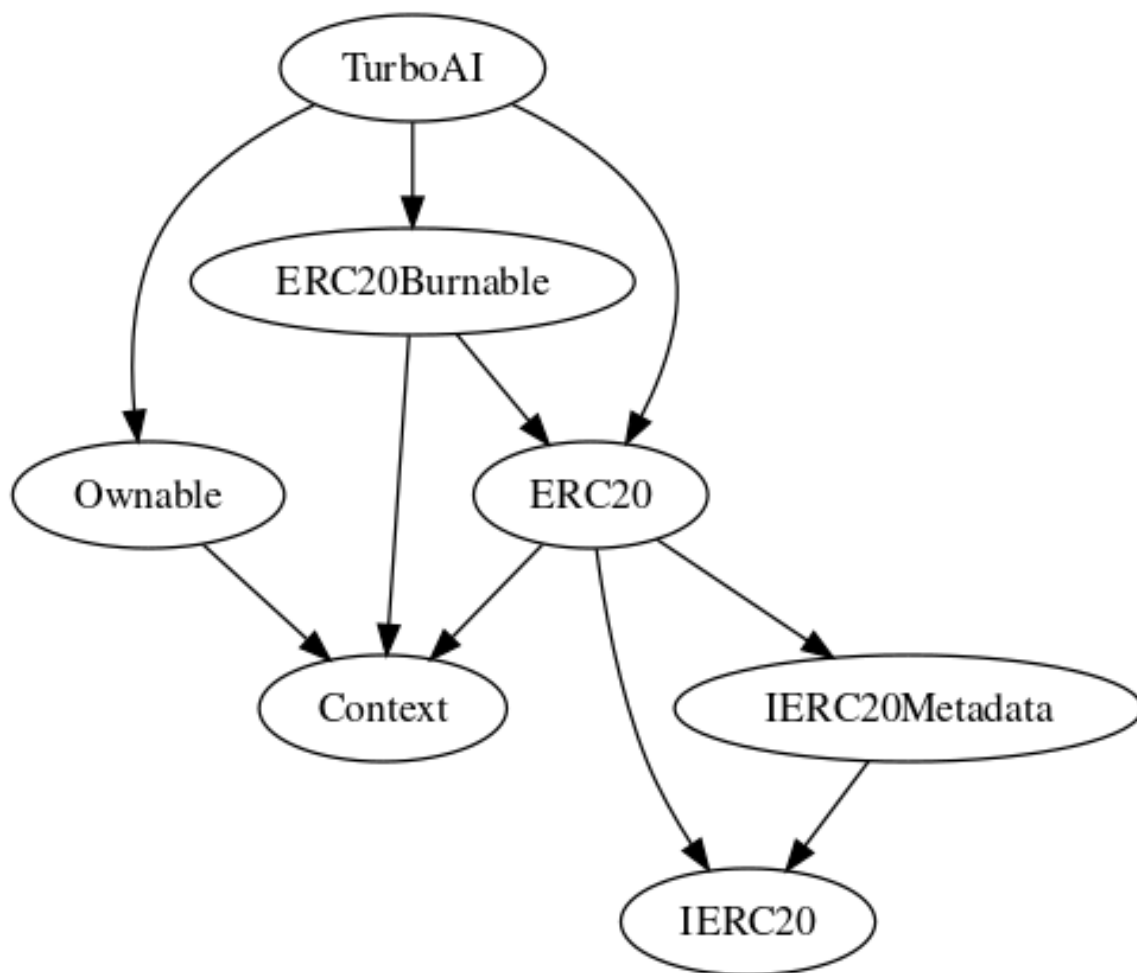
Recommendation

The team is advised to lock the pragma to ensure the stability of the codebase. The locked pragma version ensures that the contract will not be deployed with an unexpected version. An unexpected version may produce vulnerabilities and undiscovered bugs. The compiler should be configured to the lowest version that provides all the required functionality for the codebase. As a result, the project will be compiled in a well-tested LTS (Long Term Support) environment.

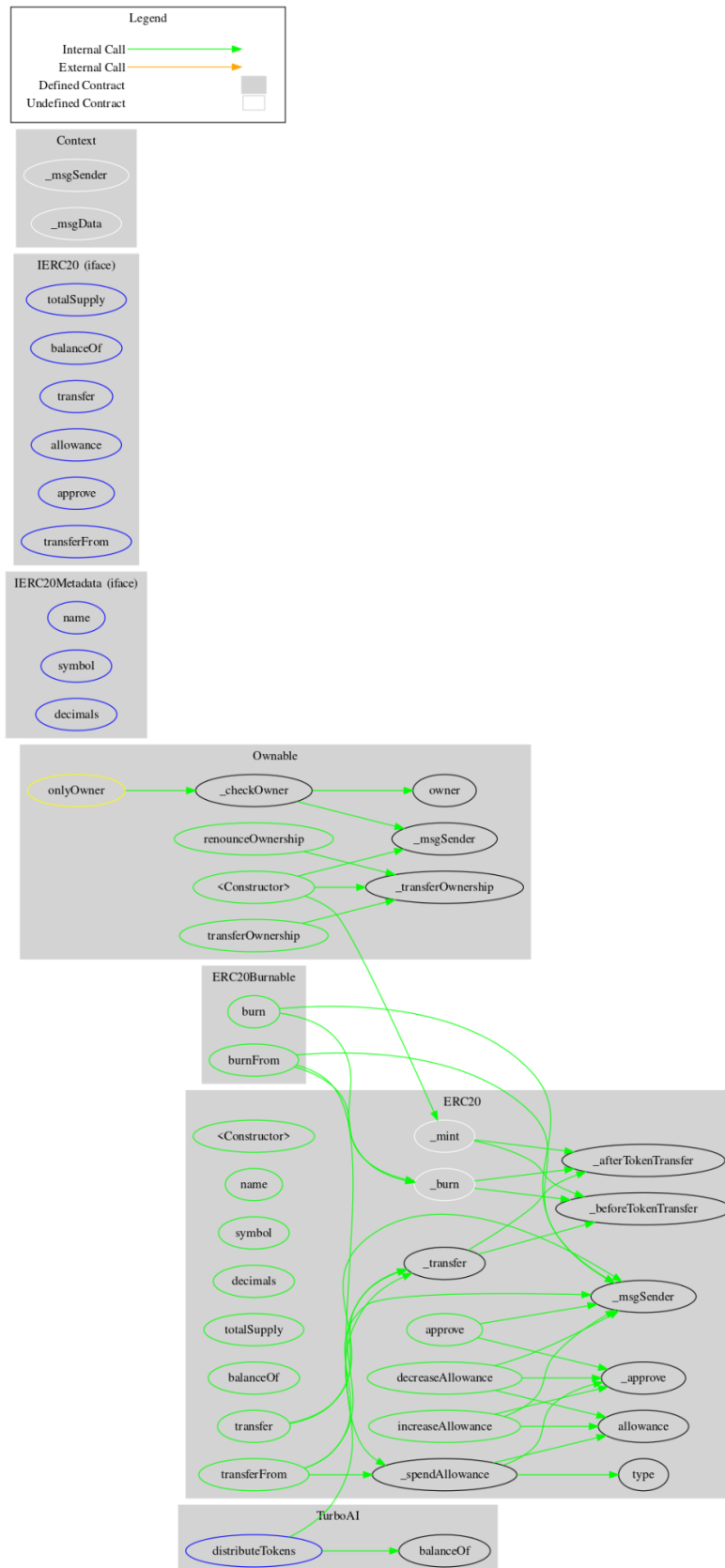
Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
TurboAI	Implementation	ERC20, ERC20Burnable, Ownable		
		Public	✓	ERC20
	distributeTokens	External	✓	onlyOwner

Inheritance Graph



Flow Graph



Summary

TurboAI contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. TurboAI is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions.

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About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.



The Cyberscope team

<https://www.cyberscope.io>