



Cyberscope

Audit Report

Seismic

March 2023

Network BSC

Address 0x6602d72a77235bd0666c141989831ad435b1552a

Audited by © cyberscope

Table of Contents

Table of Contents	1
Review	2
Audit Updates	2
Source Files	3
Analysis	4
Diagnostics	5
L04 - Conformance to Solidity Naming Conventions	6
Description	6
Recommendation	7
Functions Analysis	8
Inheritance Graph	11
Flow Graph	12
Summary	13
Disclaimer	14
About Cyberscope	15

Review

Contract Name	SCB
Compiler Version	v0.8.17+commit.8df45f5f
Optimization	200 runs
Explorer	https://bscscan.com/address/0x6602d72a77235bd0666c141989831ad435b1552a
Address	0x6602d72a77235bd0666c141989831ad435b1552a
Network	BSC
Symbol	SCB
Decimals	18
Total Supply	10,000,000

Audit Updates

Initial Audit	16 Mar 2023 https://github.com/cyberscope-io/audits/tree/main/seismic/v1/audit.pdf
Corrected Phase 2	20 Mar 2023 https://github.com/cyberscope-io/audits/tree/main/seismic/v2/audit.pdf
Corrected Phase 3	27 Mar 2023

Source Files

Filename	SHA256
Token.sol	c577af6627b5f93044b6a233d29830788d023662f7da0242469d769c662611cc

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
●	L04	Conformance to Solidity Naming Conventions	Unresolved

L04 - Conformance to Solidity Naming Conventions

Criticality	Minor / Informative
Location	Token.sol#L38,67,102,140,149,158,167,176,186,187,200,201,213,222,233,234,246,266,267,273,406,417,431,450
Status	Unresolved

Description

The Solidity style guide is a set of guidelines for writing clean and consistent Solidity code. Adhering to a style guide can help improve the readability and maintainability of the Solidity code, making it easier for others to understand and work with.

The followings are a few key points from the Solidity style guide:

1. Use camelCase for function and variable names, with the first letter in lowercase (e.g., myVariable, updateCounter).
2. Use PascalCase for contract, struct, and enum names, with the first letter in uppercase (e.g., MyContract, UserStruct, ErrorEnum).
3. Use uppercase for constant variables and enums (e.g., MAX_VALUE, ERROR_CODE).
4. Use indentation to improve readability and structure.
5. Use spaces between operators and after commas.
6. Use comments to explain the purpose and behavior of the code.
7. Keep lines short (around 120 characters) to improve readability.

```
function WETH() external pure returns (address);
uint256 private constant _totalSupply = 1e7 * 1e18
address public TreasuryWallet = 0x74Adf47aD22a9C95EE58A6D956FA58924D697E0F
address _newTreasury
uint256 _mb
uint256 _ms
uint256 _mt
uint256 _mx
uint256 _lpTax
uint256 _TreasuryTax
uint256 _sc
uint256 _db
uint256 _newAmount
address _wallet

...
```

Recommendation

By following the Solidity naming convention guidelines, the codebase increased the readability, maintainability, and makes it easier to work with.

Find more information on the Solidity documentation

<https://docs.soliditylang.org/en/v0.8.17/style-guide.html#naming-convention>.

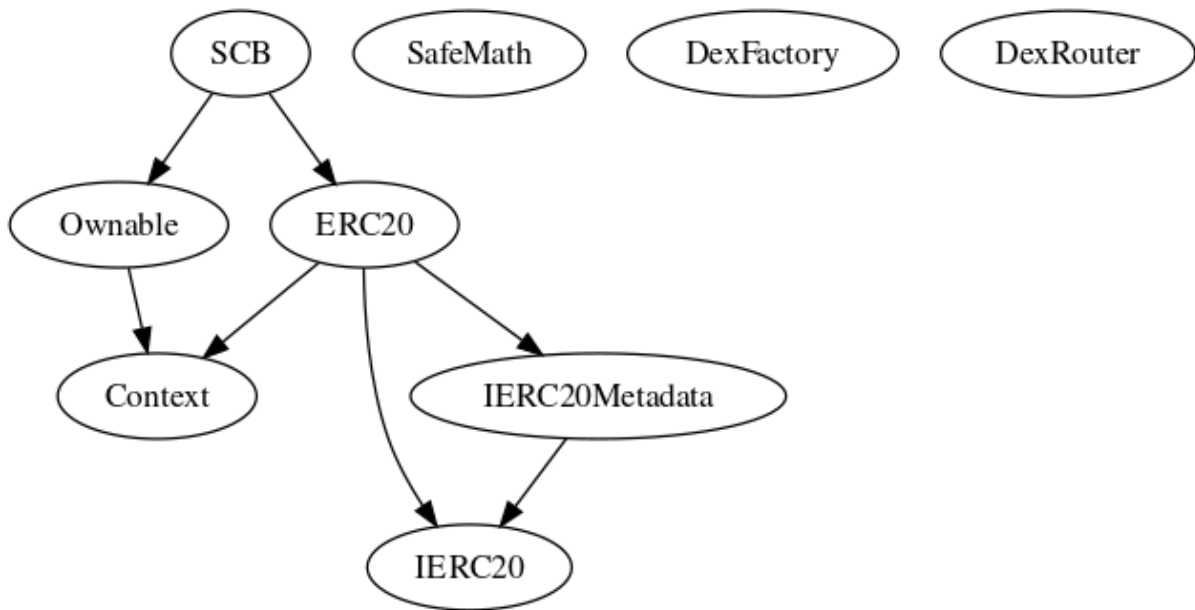
Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
DexFactory	Interface			
	createPair	External	✓	-
DexRouter	Interface			
	factory	External		-
	WETH	External		-
	addLiquidityETH	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
SCB	Implementation	ERC20, Ownable		
		Public	✓	ERC20
	enableTrading	External	✓	onlyOwner
	setTreasuryWallet	External	✓	onlyOwner

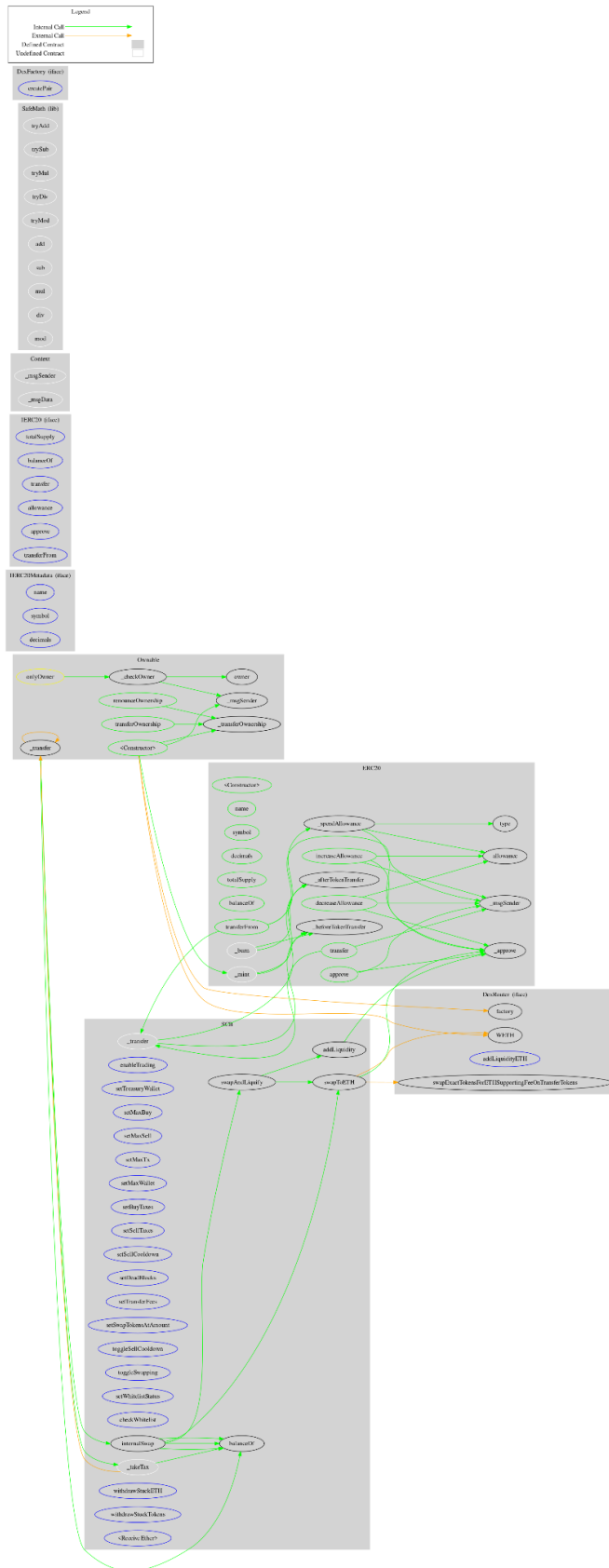
	setMaxBuy	External	✓	onlyOwner
	setMaxSell	External	✓	onlyOwner
	setMaxTx	External	✓	onlyOwner
	setMaxWallet	External	✓	onlyOwner
	setBuyTaxes	External	✓	onlyOwner
	setSellTaxes	External	✓	onlyOwner
	setSellCooldown	External	✓	onlyOwner
	setDeadBlocks	External	✓	onlyOwner
	setTransferFees	External	✓	onlyOwner
	setSwapTokensAtAmount	External	✓	onlyOwner
	toggleSellCooldown	External	✓	onlyOwner
	toggleSwapping	External	✓	onlyOwner
	setWhitelistStatus	External	✓	onlyOwner
	checkWhitelist	External		-
	_takeTax	Internal	✓	
	_transfer	Internal	✓	
	internalSwap	Internal	✓	
	swapAndLiquify	Internal	✓	
	swapToETH	Internal	✓	

	addLiquidity	Private	✓	
	withdrawStuckETH	External	✓	onlyOwner
	withdrawStuckTokens	External	✓	onlyOwner
		External	Payable	-

Inheritance Graph



Flow Graph



Summary

Seismic contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Seismic is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error 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. There is also a limit of max 22% buy/sell fees and 11% transfer fees.

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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>