



Smart Contract Audit

FOR
BIT CAMP

DATED : 27 FEB 23'



AUDIT SUMMARY

Project name – BIT CAMP

Date: 27 February, 2023

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: Passed (Contract is developed by pinksale's Safu Dev)

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	0	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0

USED TOOLS

Tools:

1- Manual Review:

a line by line code review has been performed by audit ace team.

2- BSC Test Network:

all tests were done on BSC Test network, each test has its transaction has attached to it.

3- Slither : Static Analysis

Testnet Link: all tests were done using this contract, tests are done on BSC Testnet

<https://testnet.bscscan.com/address/0x94453C00EBEF3138bbABC03045F35c4917C290bB>



Token Information

Token Name : BIT CAMP

Token Symbol: BCM

Decimals: 18

Token Supply: 10,000,000

Token Address:

0xef82F7Ba2481a40613921B613143f62F49ed83b8

Checksum:

f0cdafbd4fa950961761b6f20685c511c4855bff



TOKEN OVERVIEW

Fees:

Buy Fees: 0%

Sell Fees: 0%

Transfer Fees: 0%

Fees Privilige: None

Ownership : No Owners

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Privileges: None



AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
 - Manual review of the entire codebase by our experts, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
 - Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
 - Test coverage analysis determines whether the test cases are covering the code and how much code is exercised when we run the test cases.
 - Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
 - Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.
-

VULNERABILITY CHECKLIST

- | | |
|------------------------------------|-------------------------------|
| ✓ Return values of low-level calls | ✓ Gasless Send |
| ✓ Private modifier | ✓ Using block.timestamp |
| ✓ Multiple Sends | ✓ Re-entrancy |
| ✓ Using Suicide | ✓ Tautology or contradiction |
| ✓ Gas Limitand Loops | ✓ Timestamp Dependence |
| ✓ Address hardcoded | ✓ Revert/require functions |
| ✓ Exception Disorder | ✓ Use of tx.origin |
| ✓ Using inline assembly | ✓ Integer overflow/underflow |
| ✓ Divide before multiply | ✓ Dangerous strict equalities |
| ✓ Missing Zero Address Validation | ✓ Using SHA3 |
| ✓ Compiler version not fixed | ✓ Using throw |
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CLASSIFICATION OF RISK

Severity

Description

◆ Critical

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

◆ High-Risk

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

◆ Medium-Risk

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

◆ Low-Risk

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

◆ Gas Optimization /Suggestion

A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity

Found

◆ Critical

0

◆ High-Risk

0

◆ Medium-Risk

0

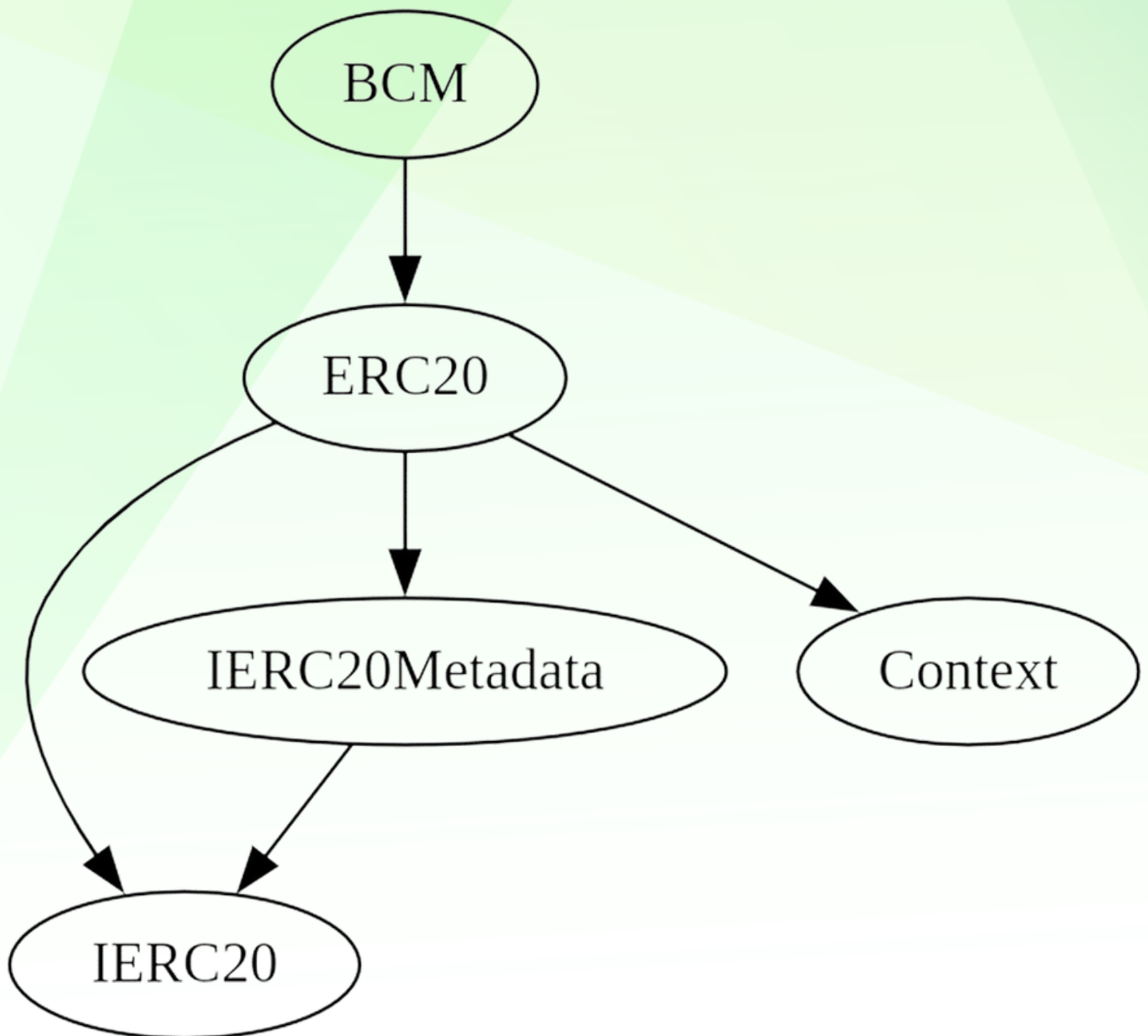
◆ Low-Risk

0

◆ Gas Optimization / Suggestions

0

INHERITANCE TREE





POINTS TO NOTE

- **Owner is not able to set buy/sell/transfer taxes (0% static)**
 - **Owner is not able to blacklist an arbitrary wallet**
 - **Owner is not able to set max buy/sell/transfer amounts**
 - **Owner is not able to disable trades**
 - **Owner is not able to mint new tokens**
-

CONTRACT ASSESMENT

Contract	Type	Bases			
:-----: :-----: :-----: :-----: :-----:					
└─	**Function Name**	**Visibility**	**Mutability**	**Modifiers**	
IERC20 Interface					
└─	totalSupply	External !		NO !	
└─	balanceOf	External !		NO !	
└─	transfer	External !	⊗	NO !	
└─	allowance	External !		NO !	
└─	approve	External !	⊗	NO !	
└─	transferFrom	External !	⊗	NO !	
IERC20Metadata Interface IERC20					
└─	name	External !		NO !	
└─	symbol	External !		NO !	
└─	decimals	External !		NO !	
Context Implementation					
└─	_msgSender	Internal 🔒			
└─	_msgData	Internal 🔒			
ERC20 Implementation Context, IERC20, IERC20Metadata					
└─	<Constructor>	Public !	⊗	NO !	
└─	name	Public !		NO !	
└─	symbol	Public !		NO !	
└─	decimals	Public !		NO !	
└─	totalSupply	Public !		NO !	
└─	balanceOf	Public !		NO !	
└─	transfer	Public !	⊗	NO !	
└─	allowance	Public !		NO !	
└─	approve	Public !	⊗	NO !	
└─	transferFrom	Public !	⊗	NO !	
└─	increaseAllowance	Public !	⊗	NO !	
└─	decreaseAllowance	Public !	⊗	NO !	
└─	_transfer	Internal 🔒	⊗		
└─	_mint	Internal 🔒	⊗		
└─	_burn	Internal 🔒	⊗		
└─	_approve	Internal 🔒	⊗		
└─	_beforeTokenTransfer	Internal 🔒	⊗		
└─	_afterTokenTransfer	Internal 🔒	⊗		
BCM Implementation ERC20					




CONTRACT ASSESMENT

| ^L | <Constructor> | Public  |  | ERC20 |

| Symbol | Meaning |

|:-----:|-----|

|  | Function can modify state |

|  | Function is payable |



STATIC ANALYSIS

```
Context.msgData() (contracts/Token.sol#46-49) is never used and should be removed
ERC20._burn(address,uint256) (contracts/Token.sol#168-183) is never used and should be removed
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

Pragma version^0.8.17 (contracts/Token.sol#17) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.16
solc-0.8.18 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

Redundant expression "this (contracts/Token.sol#47)" inContext (contracts/Token.sol#41-50)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#redundant-statements
```

**Result => A static analysis of contract's source code has been performed using slither,
No major issues were found in the output**



FUNCTIONAL TESTING

Router (PCS V2):

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

1- Adding Liquidity (Passed):

liquidity added on Pancakeswap V2:

<https://testnet.bscscan.com/tx/0x5044e6a270713b060666f57c5042eaf442e60958bf50db77be57ec63f6f83c5e>

no issue were found on adding liquidity.

2- Buying (0% Tax) (Passed):

<https://testnet.bscscan.com/tx/0x41ce0c0fc422d673618bd2f51daa9aa5cac6eee476e0c154e576a8dc26f9e3e0>

3- Selling (0% Tax) (Passed):

<https://testnet.bscscan.com/tx/0x2adf82fac28de77864f62f1536231fb073db00ed880524b8cdc50af6b7ab971a>

4-Transferring (0% tax)(Passed):

<https://testnet.bscscan.com/tx/0x2adf82fac28de77864f62f1536231fb073db00ed880524b8cdc50af6b7ab971a>



MANUAL TESTING

NO ISSUES FOUND

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