



SMART CONTRACT SECURITY AUDIT

WATCHTOWER

DISCLAIMER

Watchtower has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against Watchtower or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

DISCLAIMER: By perusing this report or any portion of it, you concur to the terms of this disclaimer. In the unlikely situation where you do not concur to the terms, you should immediately terminate reading this report, and erase and discard any and all duplicates of this report downloaded and/or printed by you. This report is given for data purposes as it were and on a non-reliance premise, and does not constitute speculation counsel. No one should have any right to depend on the report or its substance, and Watchtower and its members (including holding companies, shareholders, backups, representatives, chiefs, officers and other agents) Watchtower and its subsidiaries owe no obligation of care towards you or any other person, nor does Watchtower make any guarantee or representation to any individual on the precision or completeness of the report.

ABOUT THE AUDITOR:

Watchtower is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity.

Watchtowers Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts.

Watchtowers Website Scanner reviews a number of Risk factors to provide an adequate Risk summary of token projects.

In Addition to this the team also helps with Creation of Smart Contracts for legitimate projects, Audits and Promotion.





OVERVIEW

Watchtower was commissioned by Incognito to complete a Smart Contract audit.

The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, All investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)

Incognito RUG RISK SCORE AVAILABLE ON OUR WEBSITE

<https://cryptowatchtower.io/tokens/scan/0x452e4972cdf33d97553440e2119fe708d347aaa0/>



SMART CONTRACT REVIEW



Contract Created on the 7th September 2021 : `pragma solidity ^0.8.4;`

Contract name	Incognito
Contract address	0x452e4972cdf33d97553440e2119fe708d347aaa0
Total supply	150,000,000,000,000
Token ticker	ICO
Decimals	18
Token holders	142
Transactions count	742
Top 5 holders dominance	22.22% Burn Adjusted
Tax fee	16%
Total fees	16% ~ BUY / SELL
Contract deployer address	0x0e7e1196ddbeb15a65120fc0f3c41bb23e308b36
Contract current owner address	0x5a152b61334fc9233f9ede1d5df750bead9307bc



Project Overview

Project Details: (Website: <http://www.incognito.fund/>)

Incognito is a decentralized deflationary high-yield token. You generate a passive income and just by holding tokens you will receive free tokens! Our ultimate goal is to be the most secure and private way to store your wealth, without anyone watching you. A new, innovative blockchain is being developed, that will allow you to make anonymous transactions. This project's objective includes anonymity and security in addition to the transparency of public blockchains such as Bitcoin or Ethereum by using anon codes on a private network with permissioned nodes.

Tokenomics:

Starting Supply: 150,000,000,000,000 (150 Trillion)

16% Tax for Buys and Sells comprising of:

- 5% Marketing
- 3% Liquidity
- 3% Reflections
- 1% Burn
- 4% Development

Team Review:

Watchtower reviewed a number of factors including the teams background and Cryptocurrency experience, social media interaction and availability, project momentum, token risks and community trust score.

The team have conveyed a fair level of Cryptocurrency knowledge and utilised a Smart contract developer to create their contract.

The team was responsive and worked with us to amend functions to remove possible severity issues.

CONTRACT FUNCTIONS DETAILS

Functions (Public)

This contract has 20 available public functions which the owner can call.

These functions were identified to be safe and can be viewed on BSC Scan or through a DAPP.

LINK:

<https://bscscan.com/address/0x452e4972cdf33d97553440e2119fe708d347aaa0#writeContract>

Function risks:

-No Scam Functions Identified!



Contract Stress Test

Imported Libraries / Interfaces

- IBEP20
- SafeMath
- Context
- Address
- Ownable
- IPancakeSwapV2Factory
- IPancakeSwapV2Pair
- IPancakeSwapV2Router01
- IPancakeSwapV2Router02

Overview

1. ADDITION OF COMMENTS:	6
2. CALL STACK DEPTH ATTACK:	10
3. TIME STAMP DEPENDENCY:	10
4. PARTY MULTISIG BUG:	10
5. USE OF LIBRARIES/DEPENDENCIES (FROM TRUSTED SOURCES):	7
a. TRANSACTION-ORDERING DEPENDENCY:	10
6. ACCESS CONTROL AND AUTHORIZATION:	10
7. REENTRANCY ATTACKS:	10
8. ERC/BEP STANDARD VIOLATIONS:	10
9. USAGE OF VISIBILITY LEVELS:	10



ISSUES CHECKING STATUS



Issue description	Checking status
1. Compiler errors.	Low Sev
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed



Issue description	Checking status
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed



SECURITY ISSUES



High Severity Issues

Pair was not excluded from Rewards- [Has been resolved!](#)

Function: EnableAllFees breaks the swap Logic. It should not be called.

Once the function is called, and (inSwapAndLiquify) is set to true. This won't allow any internal swap.

setMaxTxPercent allows the owner to set a percentage lower than 16%.

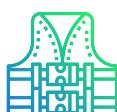
In fact the maxTxPercent value is divided by 256 not by 100 !!!



Medium Severity Issues

Immutable Router Address:

Router address can't be changed. If Pancakeswap release V3, the contracts main features will be voided if V2 is no longer supported.



Low Severity Issues

Gas Efficiency

When the contract enters the branch else if (!_isExcluded[sender] && !_isExcluded[recipient]), the contract will execute the same piece of code
_transferStandard(sender, recipient, amount)



CONCLUSION



Watchtower reviewed Incognitos' deployed and verified contract to conduct this audit.

Watchtower is satisfied that the contract has no malicious coding and issues raised are manageable or resolvable.

The main concern is that Pancakeswap would need to maintain the V2 Router in order for the Tokenomics functions to continue to operate once Pancakeswap upgrades to V3.

Watchtower Disclaimer:

Please check the disclaimer page and note, this Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or in any way provide financial advice, please do your own research. By reading this report you accept and agree to the disclaimer and understand investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)

Contact Us

 @Watchtower_WTW

 Watchtower-WTW

 Watchtowercrypto

