



Cyberscope

# Audit Report

## **MASA**

September 2023

Network    BSC

Address    0xF965638225d233Ea2852f3Db1CC3BD7363022A64

Audited by    © cyberscope

# Analysis

● Critical ● Medium ● Minor / Informative ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

# Table of Contents

<b>Analysis</b>	<b>1</b>
<b>Table of Contents</b>	<b>2</b>
<b>Review</b>	<b>3</b>
Audit Updates	3
Source Files	3
<b>Findings Breakdown</b>	<b>4</b>
<b>Functions Analysis</b>	<b>5</b>
<b>Inheritance Graph</b>	<b>7</b>
<b>Flow Graph</b>	<b>8</b>
<b>Summary</b>	<b>9</b>
<b>Disclaimer</b>	<b>10</b>
<b>About Cyberscope</b>	<b>11</b>

## Review

Explorer	<a href="https://bscscan.com/address/0xf965638225d233ea2852f3db1cc3bd7363022a64">https://bscscan.com/address/0xf965638225d233ea2852f3db1cc3bd7363022a64</a>
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## Audit Updates

Initial Audit	21 Sep 2023
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## Source Files

Filename	SHA256
MasaToken.sol	2797b10efba8dfd85558dfda415b9aeb4f9d1478d281d52f6bb0fbdb1d18ed8c

## Findings Breakdown

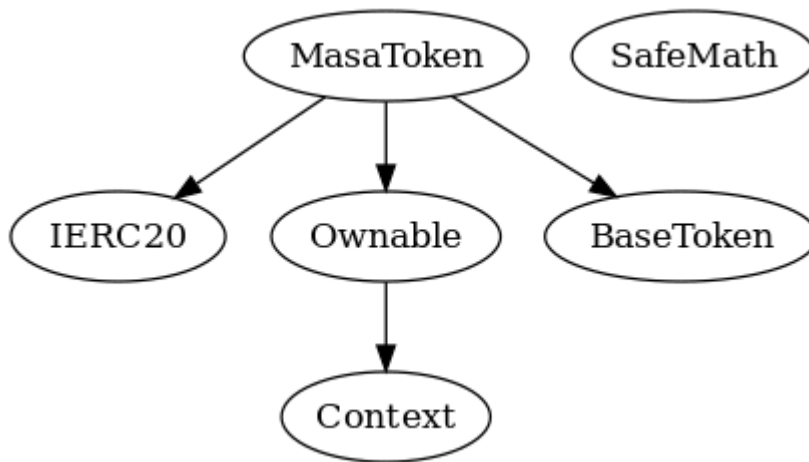
Severity	Unresolved	Acknowledged	Resolved	Other
 Critical	0	0	0	0
 Medium	0	0	0	0
 Minor / Informative	0	0	0	0

# Functions Analysis

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>Context</b>	Implementation			
	_msgSender	Internal		
<b>Ownable</b>	Implementation	Context		
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_setOwner	Private	✓	
<b>SafeMath</b>	Library			

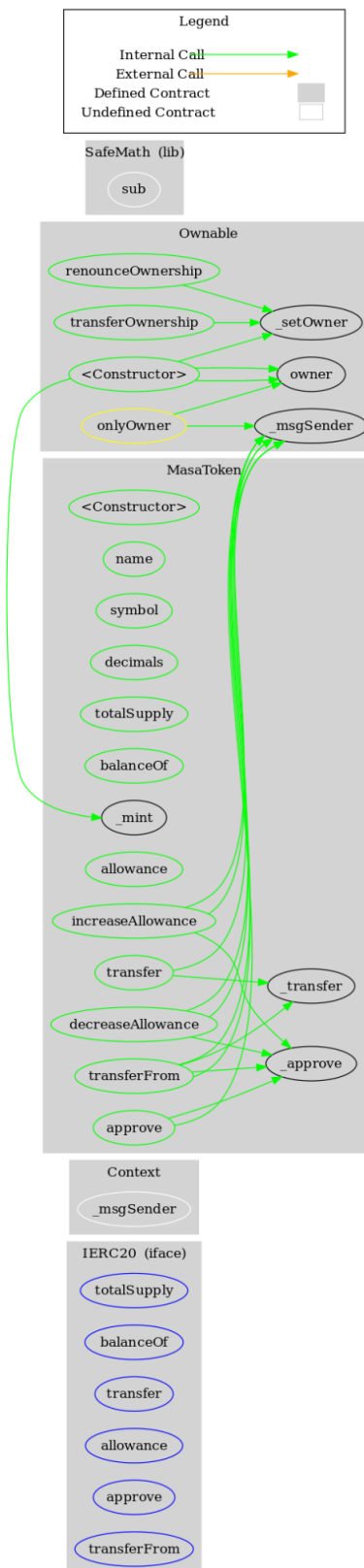
	sub	Internal		
<b>BaseToken</b>	Implementation			
<b>MasaToken</b>	Implementation	IERC20, Ownable, BaseToken		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_approve	Internal	✓	

## Inheritance Graph





# Flow Graph



## Summary

Kraton Surakarta Museum contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Kraton Surakarta Museum is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues.

## Disclaimer

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Blockchain technology and cryptographic assets present a high level of ongoing risk. Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security. Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis. Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives, false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

## 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>