



# Cyberscope

## Audit Report

# ROI MASTER ACADEMY INC

June 2022

Type      BEP20

Network    BSC

Address    0x13118451B4b12B2fbEBc909387713DEb3225117A

Audited by   © cyberscope

# Table of Contents

<b>Table of Contents</b>	<b>1</b>
<b>Contract Review</b>	<b>3</b>
<b>Source Files</b>	<b>3</b>
<b>Audit Updates</b>	<b>3</b>
<b>Contract Analysis</b>	<b>4</b>
<b>Contract Diagnostics</b>	<b>5</b>
<b>L01 - Public Function could be Declared External</b>	<b>6</b>
<b>Description</b>	<b>6</b>
<b>Recommendation</b>	<b>6</b>
<b>L02 - State Variables could be Declared Constant</b>	<b>7</b>
<b>Description</b>	<b>7</b>
<b>Recommendation</b>	<b>7</b>
<b>L04 - Conformance to Solidity Naming Conventions</b>	<b>8</b>
<b>Description</b>	<b>8</b>
<b>Recommendation</b>	<b>8</b>
<b>L07 - Missing Events Arithmetic</b>	<b>9</b>
<b>Description</b>	<b>9</b>
<b>Recommendation</b>	<b>9</b>
<b>L09 - Dead Code Elimination</b>	<b>10</b>
<b>Description</b>	<b>10</b>
<b>Recommendation</b>	<b>10</b>
<b>Contract Functions</b>	<b>11</b>
<b>Contract Flow</b>	<b>14</b>
<b>Summary</b>	<b>15</b>
<b>Disclaimer</b>	<b>16</b>
<b>About Cyberscope</b>	<b>17</b>

## Contract Review

<b>Contract Name</b>	CoinToken
<b>Compiler Version</b>	v0.8.2+commit.661d1103
<b>Optimization</b>	200 runs
<b>Licence</b>	Apache-2.0
<b>Explorer</b>	<a href="https://bscscan.com/token/0x13118451B4b12B2fbEBc909387713DEb3225117A">https://bscscan.com/token/0x13118451B4b12B2fbEBc909387713DEb3225117A</a>
<b>Symbol</b>	RMAI
<b>Decimals</b>	9
<b>Total Supply</b>	98,990,546
<b>Domain</b>	

## Source Files

<b>Filename</b>	<b>SHA256</b>
<b>contract.sol</b>	df8ebc1495d2c8a09793a216ada0a2dbafceb74adf2bd136073d8e606c96e048

## Audit Updates

<b>Initial Audit</b>	2nd June 2022
<b>Corrected</b>	

# Contract Analysis

● Critical   ● Medium   ● Minor   ● Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

# Contract Diagnostics

● Critical    ● Medium    ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L02	State Variables could be Declared Constant
●	L04	Conformance to Solidity Naming Conventions
●	L07	Missing Events Arithmetic
●	L09	Dead Code Elimination

## L01 - Public Function could be Declared External

<b>Criticality</b>	minor
<b>Location</b>	contract.sol#L406,425,434,496,500,504,508,512,517,522,526,531,537,542,547,552,556,560,564,573,617

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
updateFee
reflectionFromToken
deliver
totalCharity
totalBurn
totalFees
isExcluded
decreaseAllowance
increaseAllowance
...
```

### Recommendation

Use the external attribute for functions never called from the contract.

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L459,457

### Description

Constant state variables should be declared constant to save gas.

```
_MAX  
_GRANULARITY
```

### Recommendation

Add the constant attribute to state variables that never change.

## L04 - Conformance to Solidity Naming Conventions

<b>Criticality</b>	minor
<b>Location</b>	contract.sol#L398,617,452,453,454,455,457,458,459,468,469,470,473,474,475

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
ORIG_CHARITY_FEE
ORIG_BURN_FEE
ORIG_TAX_FEE
_CHARITY_FEE
_BURN_FEE
_TAX_FEE
_GRANULARITY
_DECIMALFACTOR
_MAX
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>



## L07 - Missing Events Arithmetic

**Criticality**

minor

**Location**

contract.sol#L617

### Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_TAX_FEE = _txFee * 100
```

### Recommendation

Emit an event for critical parameter changes.

## L09 - Dead Code Elimination

<b>Criticality</b>	minor
<b>Location</b>	contract.sol#L361,321,331,346,356,268,295,819

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
_getTaxFee  
sendValue  
isContract  
functionCallWithValue  
functionCall  
_functionCallWithValue
```

### Recommendation

Remove unused functions.

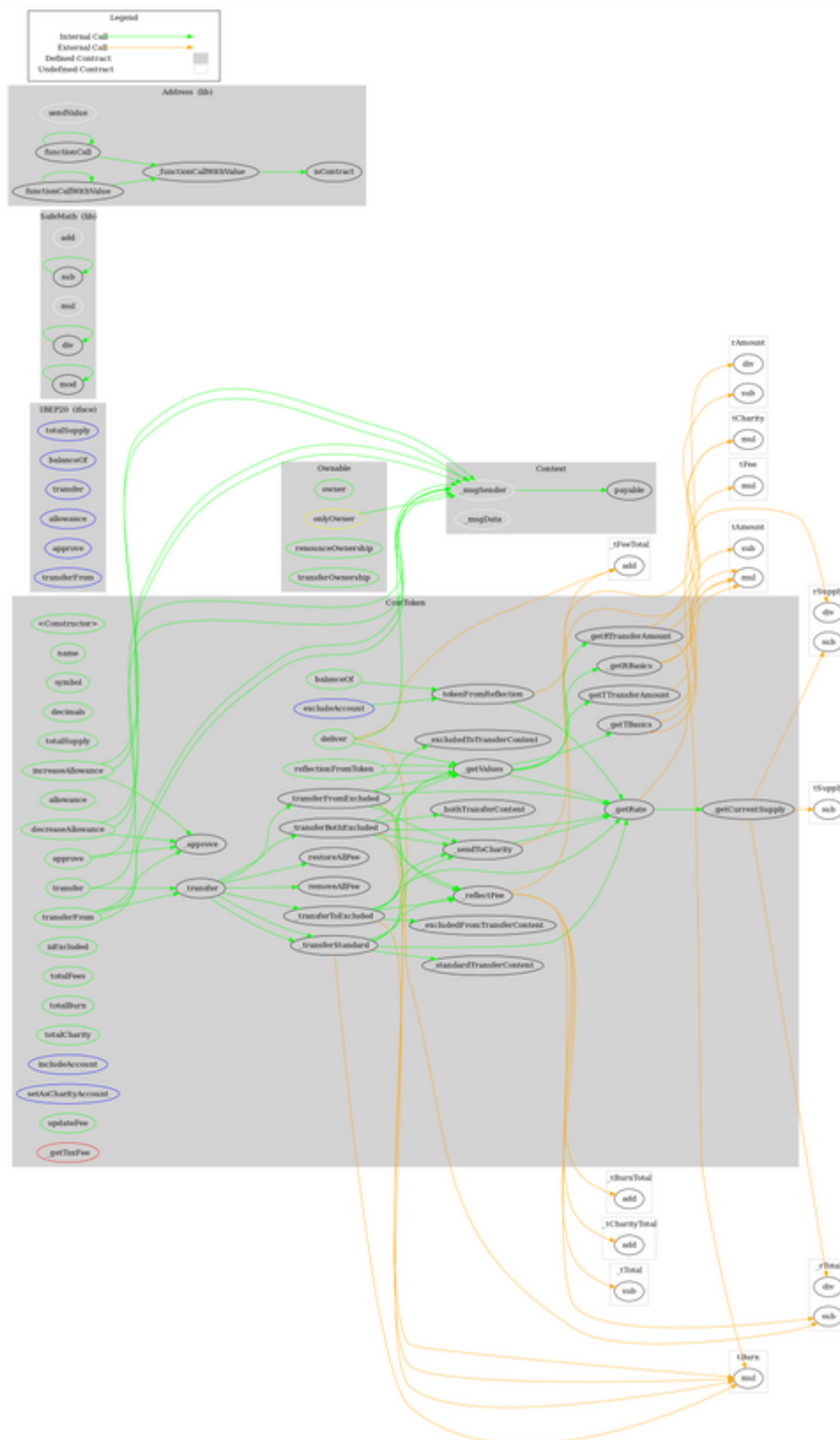
# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
<b>Context</b>	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
<b>IBEP20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>SafeMath</b>	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
	mod	Internal		
	mod	Internal		
<b>Address</b>	Library			
	isContract	Internal		
	sendValue	Internal	✓	
	functionCall	Internal	✓	
	functionCall	Internal	✓	
	functionCallWithValue	Internal	✓	

	functionCallWithValue	Internal	✓	
	_functionCallWithValue	Private	✓	
<b>Ownable</b>	Implementation	Context		
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
<b>CoinToken</b>	Implementation	Context, IBEP20, Ownable		
	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	isExcluded	Public		-
	totalFees	Public		-
	totalBurn	Public		-
	totalCharity	Public		-
	deliver	Public	✓	-
	reflectionFromToken	Public		-
	tokenFromReflection	Public		-
	excludeAccount	External	✓	onlyOwner
	includeAccount	External	✓	onlyOwner
	setAsCharityAccount	External	✓	onlyOwner
	updateFee	Public	✓	onlyOwner
	_approve	Private	✓	

	_transfer	Private	✓	
	_transferStandard	Private	✓	
	_standardTransferContent	Private	✓	
	_transferToExcluded	Private	✓	
	_excludedFromTransferContent	Private	✓	
	_transferFromExcluded	Private	✓	
	_excludedToTransferContent	Private	✓	
	_transferBothExcluded	Private	✓	
	_bothTransferContent	Private	✓	
	_reflectFee	Private	✓	
	_getValues	Private		
	_getTBasics	Private		
	getTTransferAmount	Private		
	_getRBasics	Private		
	_getRTransferAmount	Private		
	_getRate	Private		
	_getCurrentSupply	Private		
	_sendToCharity	Private	✓	
	removeAllFee	Private	✓	
	restoreAllFee	Private	✓	
	_getTaxFee	Private		

# Contract Flow



## Summary

ROI MASTER ACADEMY INC is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract ownership is renounced and the team can no longer interact with the smart contract. The fees are fixed and can't be changed.

# Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

Cyberscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Cyberscope team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token.

The Cyberscope team disclaims any liability for the resulting losses.



## About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Cyberscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provide all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>