



Cyberscope

Audit Report

Soccer Prediction Master

November 2022

Type BEP20

Network BSC

Address 0x478b13fc45cd5373c1488eFdad6a24938849cd2d

Audited by © cyberscope

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Contract Review

Contract Name	SoccerPredictionMaster
Compiler Version	v0.8.4+commit.c7e474f2
Optimization	10 runs
Explorer	https://bscscan.com/token/0x478b13fc45cd5373c1488eFdad6a24938849cd2d
Symbol	SPM
Decimals	18
Total Supply	100,000,000
Domain	www.spmcoin.info

Audit Updates

Initial Audit	21st November 2022
Corrected	

Source Files

Filename	SHA256
@openzeppelin/contracts/access/Ownable.sol	75e3c97011e75627ffb36f4a2799a4e887e1a3e27ed427490e82d7b6f51cc5c9
@openzeppelin/contracts/token/ERC20/IERC20.sol	c2b06bb4572bb4f84bfc5477dadcfcc497cb66c3a1bd53480e68bedc2e154a6
@openzeppelin/contracts/utils/Context.sol	1458c260d010a08e4c20a4a517882259a23a4baa0b5bd9add9fb6d6a1549814a
contracts/interface/IUniswapFactory.sol	82e8006c49255bb978c79b85a5d79e402f7a7f31b85f11a9c671d3d053847f67
contracts/interface/IUniswapRouter.sol	e90cb29231543f003f3993633e48f9035052ae33fe7ed428f73ec7096fe86f74
contracts/SoccerPredictionMaster.sol	ca44cd7cd77656027e057affb56890bdba661aa0565bc158e85b895dbbe2ae93

Contract 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

Contract Diagnostics

● Critical ● Medium ● Minor / Informative

Severity	Code	Description	Status
●	BLC	Business Logic Concern	Unresolved
●	L02	State Variables could be Declared Constant	Unresolved
●	L04	Conformance to Solidity Naming Conventions	Unresolved

BLC - Business Logic Concern

Criticality	minor / informative
Location	contract.sol#L55
Status	Unresolved

Description

The business logic seems peculiar. The implementation may not follow the expected behavior. The owner can set the burnFeeAddress variable to any address, while it should be either the zero or the dead address.

```
burnFeeAddress = _burnFeeAddress;
```

Recommendation

The team is advised to carefully check if the implementation follows the expected business logic. The owner should check first if the given address is not the expected before assigning the value.

L02 - State Variables could be Declared Constant

Criticality	minor / informative
Location	contracts/SoccerPredictionMaster.sol#L34
Status	Unresolved

Description

Constant state variables should be declared constant to save gas.

```
feeThreshold
```

Recommendation

Add the constant attribute to state variables that never change.

L04 - Conformance to Solidity Naming Conventions

Criticality	minor / informative
Location	contracts/SoccerPredictionMaster.sol#L88,98,94,102
Status	Unresolved

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.

```
_enable  
_a  
_b
```

Recommendation

Follow the Solidity naming convention.

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

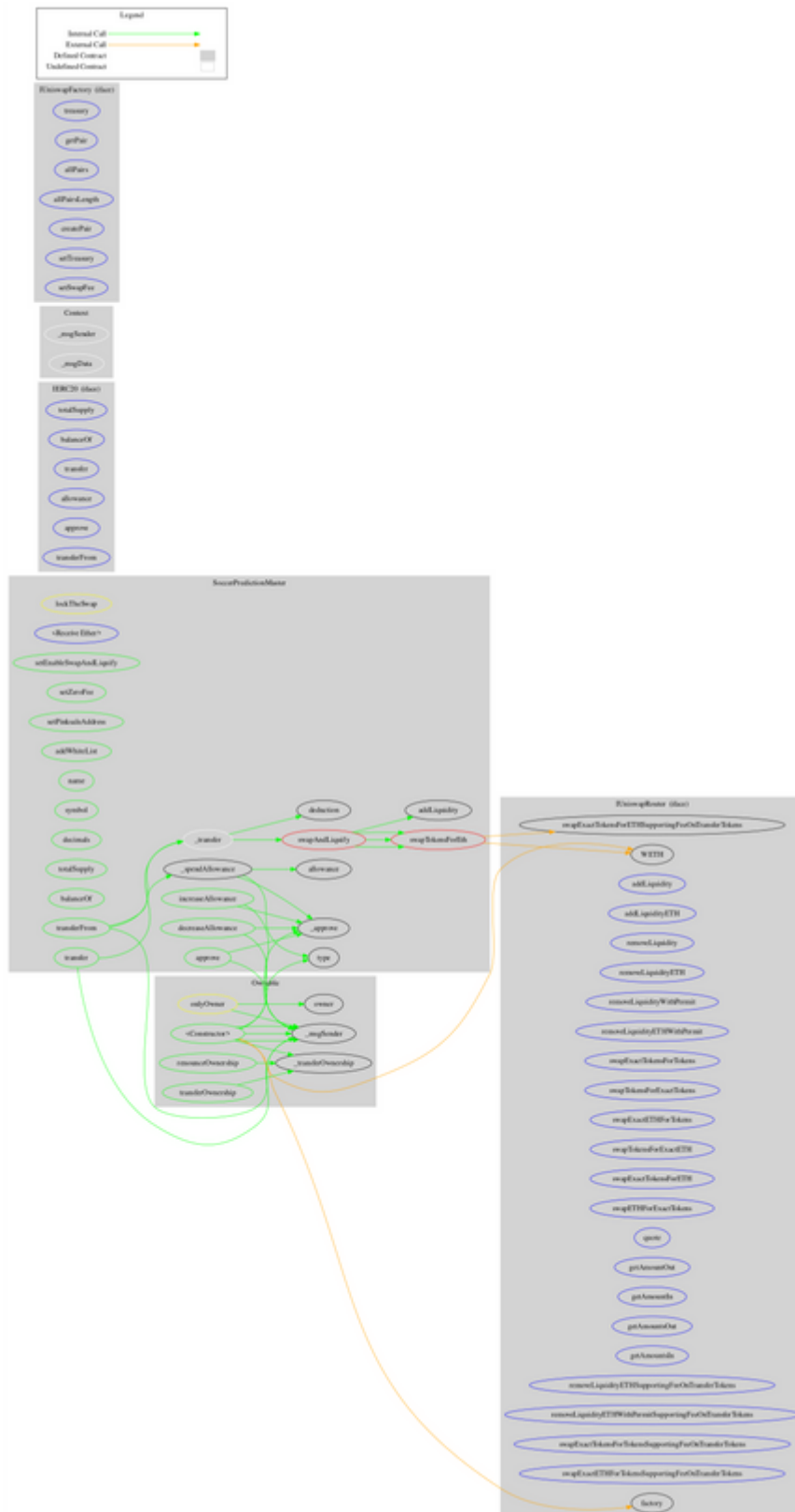
Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
IUniswapFactory	Interface			
	treasury	External		-
	getPair	External		-
	allPairs	External		-
	allPairsLength	External		-
	createPair	External	✓	-
	setTreasury	External	✓	-
	setSwapFee	External	✓	-

UniswapRouter	Interface			
	factory	External		-
	WETH	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	removeLiquidity	External	✓	-
	removeLiquidityETH	External	✓	-
	removeLiquidityWithPermit	External	✓	-
	removeLiquidityETHWithPermit	External	✓	-
	swapExactTokensForTokens	External	✓	-
	swapTokensForExactTokens	External	✓	-
	swapExactETHForTokens	External	Payable	-
	swapTokensForExactETH	External	✓	-
	swapExactTokensForETH	External	✓	-
	swapETHForExactTokens	External	Payable	-
	quote	External		-
	getAmountOut	External		-
	getAmountIn	External		-
	getAmountsOut	External		-
	getAmountsIn	External		-
	removeLiquidityETHSupportingFeeOnTransferTokens	External	✓	-
	removeLiquidityETHWithPermitSupportingFeeOnTransferTokens	External	✓	-
	swapExactTokensForTokensSupportingFeeOnTransferTokens	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
SoccerPredictionMaster	Implementation	Context, IERC20, Ownable		
	<Constructor>	Public	✓	-
	swapTokensForEth	Private	✓	
	<Receive Ether>	External	Payable	-

	setEnableSwapAndLiquify	Public	✓	onlyOwner
	setZeroFee	Public	✓	onlyOwner
	setPinksaleAddress	Public	✓	onlyOwner
	addWhiteList	Public	✓	onlyOwner
	swapAndLiquify	Private	✓	lockTheSwap
	addLiquidity	Private	✓	
	deduction	Private	✓	
	_transfer	Internal	✓	
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_approve	Internal	✓	
	_spendAllowance	Internal	✓	

Contract Flow



Domain Info

Domain Name	spmcoin.info
Registry Domain ID	c11a49f87e464fa098e792d93e44a457-DONUTS
Creation Date	2022-11-17T11:38:47Z
Updated Date	2022-11-17T11:38:48Z
Registry Expiry Date	2023-11-17T11:38:47Z
Registrar WHOIS Server	whois.godaddy.com/
Registrar URL	http://www.godaddy.com/domains/search.aspx?ci=8990
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain was created 4 days before the creation of the audit. It will expire in 12 months.

There is no public billing information, the creator is protected by the privacy settings.

Summary

Soccer Prediction Master 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 5% 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>