



RugFreeCoins Audit



SLEEP Token
Smart Contract Security Audit
October 3rd, 2022

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Audit details



Audited project
SLEEP Token



Contract Address
0x70b514801E7e59C24c32a353AC00951BB6979944



Client contact
SLEEP Team



Blockchain
Binance smart chain



Project website
<https://sleep.game>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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Overview

- ✓ No mint function found; the owner cannot mint tokens after initial deployment.
- ✓ The owner can't set a max transaction limit
- ✓ The owner can't pause trading.
- ✓ The owner can't set fees over 25%.
- ✓ The owner can't blacklist wallets.
- ✓ The owner can't set a max wallet limit
- ✓ The owner can't claim the contract's balance of its own token.

Background

Rugfreecoins was commissioned by the SLEEP Team to perform an audit of the smart contract.

<https://bscscan.com/token/0x70b514801E7e59C24c32a353AC00951BB6979944>

The focus of this audit is to verify that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.

Roadmap

March

- The SLEEP2EARN concept is born
- Feasibility study
- Team building

April

- First design mockups
- Landing page design
- Ecosystem numbers & structure

May

- Start of development
- Whitepaper/Litepaper
- Launch of socials

June

- Ecosystem development & token minting
- Marketing for project/token launch

July/August

- Marketing for growth
- Develop IOS/Android app

Q4 2023

- In-app trade function
- Multi-chain wallet
- Rental system

Q1 2023

- Social-fi platform
- Achievement system
- Community event

Tokenomics

0% when buying & selling

Target market and the concept

Target market

- Anyone who's interested in the Crypto space with long-term investment plans.
- Anyone who's ready to earn a passive income by holding tokens.
- Anyone who's interested in trading tokens.
- Anyone who's ready to staking and receive rewards.
- Anyone who's interested in taking part of the sleep to earn ecosystem.
- Anyone who's interested in taking part in the future plans of SLEEP Token.
- Anyone who's interested in making financial transactions with any other party using SLEEP Token as the currency.

Potential to grow with score points

1.	Project efficiency	9/10
2.	Project uniqueness	9/10
3	Information quality	9/10
4	Service quality	9/10
5	System quality	8/10
6	Impact on the community	8/10
7	Impact on the business	9/10
8	Preparing for the future	8/10
9	Smart contract security	10/10
10	Smart contract functionality assessment	10/10
Total Points		8.9/10

Contract details

Token contract details for 3rd of October 2022

Contract name	SLEEP
Contract address	0x70b514801E7e59C24c32a353AC00951BB6979944
Token supply	1,000,000,000
Token ticker	\$SLEEP
Decimals	18
Token holders	3
Transaction count	12
Contract deployer address	0x655E46f95E2C2fbedfD7316322BB22Dc0901C300
Contract's current owner address	None









Contract code function details































No	Category	Item	Result
1	Coding conventions	BRC20 Token standards	pass
		compile errors	pass
		Compiler version security	pass
		visibility specifiers	pass
		Gas consumption	pass
		SafeMath features	pass
		Fallback usage	pass
		tx.origin usage	pass
		deprecated items	pass
		Redundant code	pass
		Overriding variables	pass
2	Function call audit	Authorization of function call	pass
		Low level function (call/delegate call) security	pass
		Returned value security	pass
		Self-destruct function security	pass
3	Business security	Access control of owners	
		Business logics	pass
		Business implementations	pass
4	Integer overflow/underflow		pass
5	Reentrancy		pass
6	Exceptional reachable state		pass
7	Transaction ordering dependence		pass
8	Block properties dependence		pass
9	Pseudo random number generator (PRNG)		pass
10	DoS (Denial of Service)		pass
11	Token vesting implementation		pass
12	Fake deposit		pass






























13	Event security		pass
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Contract description table

The below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions, and implementations with their visibility and mutability.



Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
Token	Implementation	ERC20		
L		Public !		ERC20
L	rawTransferFrom	External !		NO!
L	transfer	Public !		NO!
L	transferFrom	Public !		NO!
L	callTokenReceived	Internal 		
ERC20	Implementation	Context, IERC20, IERC20Meta data		
L		Public !		NO!
L	name	Public !		NO!
L	symbol	Public !		NO!
L	decimals	Public !		NO!
L	totalSupply	Public !		NO!
L	balanceOf	Public !		NO!
L	transfer	Public !		NO!

L	allowance	Public !		NO!
L	approve	Public !		NO!
L	transferFrom	Public !		NO!
L	increaseAllowance	Public !		NO!
L	decreaseAllowance	Public !		NO!
L	_transfer	Internal 		
L	_mint	Internal 		
L	_burn	Internal 		
L	_approve	Internal 		
L	_spendAllowance	Internal 		
L	_beforeTokenTransfer	Internal 		
L	_afterTokenTransfer	Internal 		
Address	Library			
L	isContract	Internal 		
L	sendValue	Internal 		
L	functionCall	Internal 		
L	functionCall	Internal 		
L	functionCallWithValue	Internal 		
L	functionCallWithValue	Internal 		
L	functionStaticCall	Internal 		

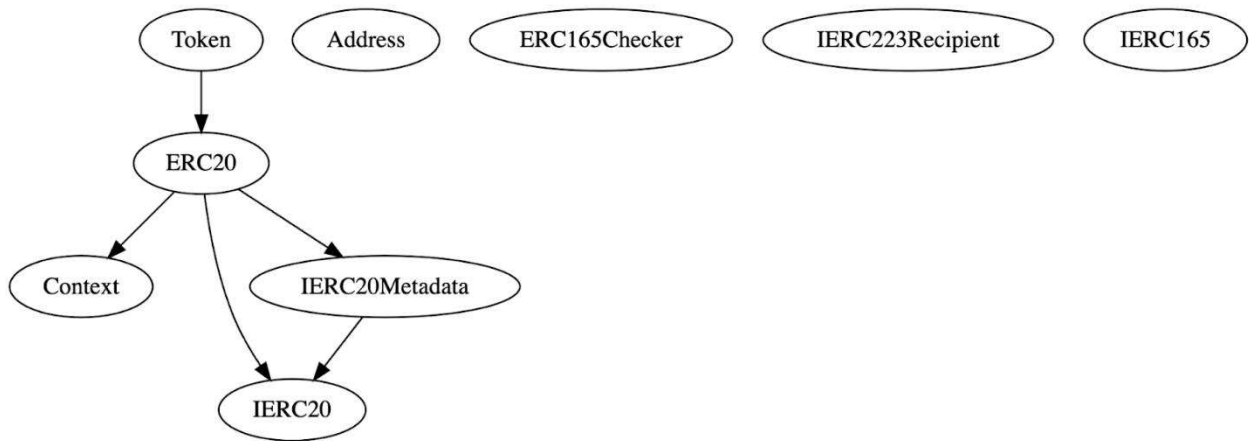
L	functionStaticCall	Internal 		
L	functionDelegateCall	Internal 		
L	functionDelegateCall	Internal 		
L	verifyCallResult	Internal 		
ERC165 Checker	Library			
L	supportsERC165	Internal 		
L	supportsInterface	Internal 		
L	getSupportedInterfaces	Internal 		
L	supportsAllInterfaces	Internal 		
L	_supportsERC165Interface	Private 		
IERC223 Recipient	Interface			
L	tokenReceived	External 		NO 
IERC20	Interface			
L	totalSupply	External 		NO 
L	balanceOf	External 		NO 
L	transfer	External 		NO 
L	allowance	External 		NO 
L	approve	External 		NO 
L	transferFrom	External 		NO 

IERC20 Metadata	Interface	IERC20		
L	name	External !		NO!
L	symbol	External !		NO!
L	decimals	External !		NO!
Context	Implementation			
L	_msgSender	Internal 🔒		
L	_msgData	Internal 🔒		
IERC165	Interface			
L	supportsInterface	External !		NO!

Legend

Symbol	Meaning
	Function can modify state
	Function is payable

Inheritance Hierarchy



Security issue checking status

❖ **High severity issues**

No High severity issues found

❖ **Medium severity issues**

No medium severity issues found

❖ **Low severity issues**

No low severity issues found

❖ **Centralization Risk**

No Centralization Risk found

Owner privileges

- ❖ No owner privileges

Audit conclusion

RugFreeCoins team has performed in-depth testings, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status: **PASS**

Number of risk issues: **0**

Solidity code functional issue level: **PASS**

Number of owner privileges: **0**

Centralization risk correlated to the active owner: **NONE**

Smart contract active ownership: **NO**