



# SMART CONTRACT SECURITY AUDIT

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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.

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## 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 DefiBet (\$DBET) 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/>)



# SMART CONTRACT REVIEW



**Contract Created on the 14th December 2021      Solidity compiler v0.8.5**

Contract name	DefiBet
Contract address	0x67654acD0fA49f98c2A9a6a6135D0CCB88836A85
Total supply	20,000,000
Token ticker	\$DBET
Decimals	9
Token holders	Not Launched
Transactions count	1
Top 5 holders dominance	Not Launched
Tax fee	5%
Total fees	5% ~ BUY / SELL
Contract deployer address	0xc69Fbb1779Fba0C1625FFb2af08d058D432b63c6
Contract's current owner address	0xc69Fbb1779Fba0C1625FFb2af08d058D432b63c6



# Project Overview



## Project Details: (Website: <http://defibet.pro/>)

DefiBet is a blockchain betting website in which their token \$DBET will power all betting processes. The concept of betting on players performance and longing or shorting their share prices is unique. More details can be found on their website.

## Tokenomics:

Supply: 20,000,000 (20 Million)

### 5% Tax for Buys and Sells comprising of:

- 2% Liquidity
- 1% BuyBack
- 1% Reflections
- 1% Marketing

## 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 \$DBET team have a very good understanding of Cryptocurrency.

The Website is well built and unique however DefiBets Search Engine Optimisation (SEO) and social media needs development.

## TEAM DOXXED/KYC:

Watchtower is not aware of the team being Doxxed.



# CONTRACT FUNCTIONS DETAILS

## Functions (Public)

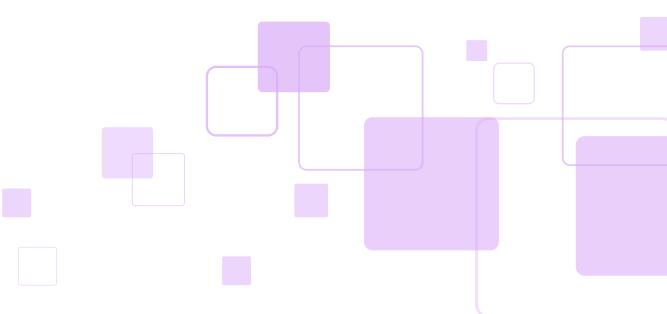
This contract has 24 available public functions which the owner can call.  
They can be viewed on BSC Scan.

### LINK:

<https://bscscan.com/token/0x67654acd0fa49f98c2a9a6a6135d0ccb88836a85#writeContract>

### Function risks:

-No scam functions identified.



# Contract Stress Test

## Imported Libraries / Interfaces

- SafeMath
- IBEP20
- Auth
- IDEXFactory
- IDEXRouter
- IDividendDistributor

## 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.	Passed
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

Nil



## Medium Severity Issues

### Centralization Risk

- authorized addresses have the privilege to:
- set fees to 100 blocking all trades
- include / exclude from rewards
- include / exclude from fees
- include / exclude from transaction limit



## Low Severity Issues

- **Fees declared as private:** Private variables can't be viewed so users can't know the current fees values - It is advised to declare fees as public
- **High Gas Limit: distributorGas = 500000.** If BNB price increase gas fees can be higher than rewards. It can be adjusted by authorized users.



# CONCLUSION



**Watchtower reviewed the DefiBet deployed and verified contract to conduct this audit.**

**Watchtower is satisfied that the contract is void of any malicious coding and nil high severity issues.**

## **Watchtower Disclaimer:**

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## **Contact Us**

 @Watchtower\_WTW

 Watchtower-WTW

 Watchtowercrypto

