



# Audit Report

## **Battle of MultiWorld**

December 2021

Type           BEP20

Address       0xFa926dc3d3f23149163b4b02e683a4db0E5FD206

Audited by   © coinscope

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## Contract Review

<b>Contract Name</b>	BMW
<b>Compiler Version</b>	v0.8.0+commit.c7dfd78e
<b>Optimization</b>	No with 200 runs
<b>Licence</b>	NONE
<b>Explorer</b>	<a href="https://bscscan.com/token/0xFa926dc3d3f23149163b4b02e683a4db0E5FD206">https://bscscan.com/token/0xFa926dc3d3f23149163b4b02e683a4db0E5FD206</a>
<b>Symbol</b>	BMW
<b>Decimals</b>	18
<b>Total Supply</b>	1,000,000,000
<b>Website</b>	<a href="https://bmwar.io/">https://bmwar.io/</a>

## Audit Updates

<b>Initial Audit</b>	18th of December 2021
<b>Corrected</b>	

# Contract Analysis



Contract Contains unverified Interface that cannot be audited.

```
interface AntiBot {  
    function protect( address sender, address receiver, uint256 amount ) external;  
}
```

● Critical
 ● Medium
 ● Pass

Severity	Code	Description
<span style="color: blue;">●</span>	MT	Contract Owner is not able to mint new tokens
<span style="color: blue;">●</span>	BT	Contract Owner is not able to burn tokens from specific wallet
<span style="color: blue;">●</span>	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (10%)
<span style="color: blue;">●</span>	ST	Contract Owner is not able to stop or pause transactions
<span style="color: blue;">●</span>	OCTD	Contract Owner is not able to transfer tokens from specific address
<span style="color: blue;">●</span>	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
<span style="color: blue;">●</span>	BC	Contract Owner is not able to blacklist wallets from selling

# Contract Diagnostics

Pass	Name
✓	Integer Underflow
✓	Parity Multisig Bug
✓	Callstack Depth Attack
✓	Transaction-Ordering Dependency
✓	Timestamp Dependency
✓	Re-Entrancy

# Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
Context	Implementation			

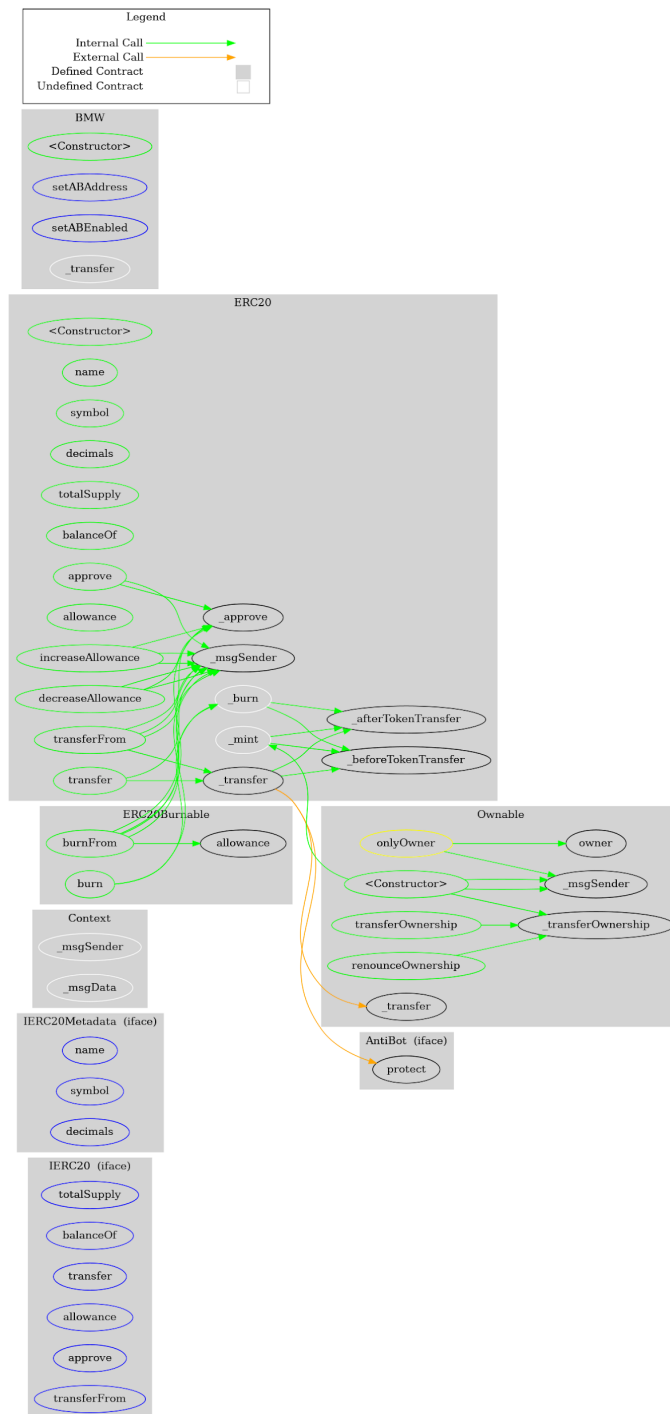
	_msgSender	Internal		
	_msgData	Internal		
ERC20	Implementation	Context, IERC20, IERC20M etadata		
		Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	



	_burn	Internal	✓	
	_approve	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
ERC20Burnable	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-
Ownable	Implementation	Context		
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
AntiBot	Interface			
	protect	External	✓	-

BMW	Implementation	ERC20, ERC20Bu rnable, Ownable		
		Public	✓	ERC20
	setABAddress	External	✓	onlyOwn er
	setABEnabled	External	✓	onlyOwn er
	_transfer	Internal	✓	

# Contract Flow



## Domain Info

<b>Domain Name</b>	bmwar.io
<b>Registry Domain ID</b>	3fa7dd5572104a7696688b837b8af379-DONUTS
<b>Registrar WHOIS Server</b>	whois.namecheap.com
<b>Registrar URL</b>	<a href="http://www.namecheap.com">http://www.namecheap.com</a>
<b>Updated Date</b>	2021-11-13T08:40:42Z
<b>Creation Date</b>	2021-10-19T15:50:11Z
<b>Registry Expiry Date</b>	2022-10-19T15:50:11Z
<b>Registrar</b>	NameCheap, Inc.
<b>Registrar IANA ID</b>	1068

The domain has been created 2 months before the analysis of the audit. It is set for expiration in one year.

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

# Summary

Battle of MultiWorld - \$BMW is an NFT game which is built on Binance Smart Chain platform in which it supports players in controlling their digital property to join the game. The token has a friendly and growing community. The smart contract analysis showed no compiler errors or critical issues. There is however an interface called AntiBot that can not be audited as the contract is unverified. Also the Owner can change the implementation of the AntiBot interface if he wants to. Renouncing the contract ownership will resolve any potential contract-related concerns.

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The CoinScope team disclaims any liability for the resulting losses.

## About Coinscope

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analysing 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.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>