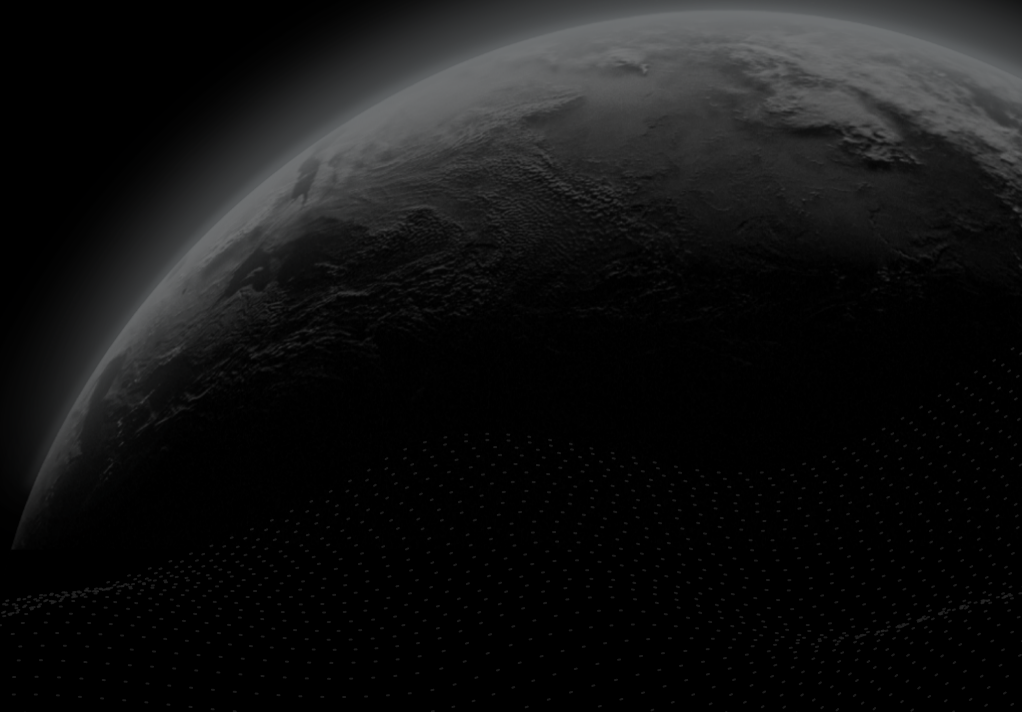




Security Assessment

# Internet Money (IM) - BNB Smart Chain (BSC)

CertiK Verified on Mar 28th, 2023





CertiK Verified on Mar 28th, 2023

## Internet Money (IM) - BNB Smart Chain (BSC)

The security assessment was prepared by CertiK, the leader in Web3.0 security.

### Executive Summary

TYPES	ECOSYSTEM	METHODS
DeFi	Binance Smart Chain (BSC)	Formal Verification, Manual Review, Static Analysis
LANGUAGE	TIMELINE	KEY COMPONENTS
Solidity	Delivered on 03/28/2023	N/A

#### CODEBASE

<https://bscscan.com/address/0xac5d23ce5e4a5eb11a5407a5fbee201a75e8c8ad>  
[...View All](#)

### Vulnerability Summary



<b>0</b> Critical		Critical risks are those that impact the safe functioning of a platform and must be addressed before launch. Users should not invest in any project with outstanding critical risks.
<b>1</b> Major	1 Resolved	Major risks can include centralization issues and logical errors. Under specific circumstances, these major risks can lead to loss of funds and/or control of the project.
<b>0</b> Medium		Medium risks may not pose a direct risk to users' funds, but they can affect the overall functioning of a platform.
<b>0</b> Minor		Minor risks can be any of the above, but on a smaller scale. They generally do not compromise the overall integrity of the project, but they may be less efficient than other solutions.
<b>0</b> Informational		Informational errors are often recommendations to improve the style of the code or certain operations to fall within industry best practices. They usually do not affect the overall functioning of the code.

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# CODEBASE | INTERNET MONEY (IM) - BNB SMART CHAIN (BSC)

## Repository

<https://bscscan.com/address/0xac5d23ce5e4a5eb11a5407a5fbee201a75e8c8ad>

# AUDIT SCOPE | INTERNET MONEY (IM) - BNB SMART CHAIN (BSC)

1 file audited ● 1 file without findings

ID	Commit	File	SHA256 Checksum
● 0XA	0xac5d2		b8c661570700d575c65697512a69de5e7be3 574292afaa162f2f86a6ade986d8

## APPROACH & METHODS

## INTERNET MONEY (IM) - BNB SMART CHAIN (BSC)

This report has been prepared for Internet Money to discover issues and vulnerabilities in the source code of the Internet Money (IM) - BNB Smart Chain (BSC) project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Formal Verification, Manual Review, and Static Analysis techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Testing the smart contracts against both common and uncommon attack vectors;
- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases;
- Provide more comments per each function for readability, especially contracts that are verified in public;
- Provide more transparency on privileged activities once the protocol is live.

## FINDINGS | INTERNET MONEY (IM) - BNB SMART CHAIN (BSC)



This report has been prepared to discover issues and vulnerabilities for Internet Money (IM) - BNB Smart Chain (BSC). Through this audit, we have uncovered 1 issues ranging from different severity levels. Utilizing the techniques of Formal Verification, Manual Review & Static Analysis to complement rigorous manual code reviews, we discovered the following findings:

ID	Title	Category	Severity	Status
0XA-01	Initial Token Distribution	Centralization / Privilege	Major	● Resolved

## 0XA-01 | INITIAL TOKEN DISTRIBUTION

Category	Severity	Location	Status
Centralization / Privilege	● Major	0xac5d23ce5e4a5eb11a5407a5fbee201a75e8c8ad: 422 ~426	● Resolved

### Description

All `IM` tokens are sent to the contract deployer when deploying the contract. This is a potential centralization risk as the deployer can distribute those tokens without the consensus of the community.

### Recommendation

We recommend transparency through providing a breakdown of the intended initial token distribution in a public location. We also recommend the team make an effort to restrict the access of the corresponding private key.

### Alleviation

The team strictly followed their initial token distribution plan.



## APPENDIX | INTERNET MONEY (IM) - BNB SMART CHAIN (BSC)

### Finding Categories

Categories	Description
Centralization / Privilege	Centralization / Privilege findings refer to either feature logic or implementation of components that act against the nature of decentralization, such as explicit ownership or specialized access roles in combination with a mechanism to relocate funds.

### Checksum Calculation Method

The "Checksum" field in the "Audit Scope" section is calculated as the SHA-256 (Secure Hash Algorithm 2 with digest size of 256 bits) digest of the content of each file hosted in the listed source repository under the specified commit.

The result is hexadecimal encoded and is the same as the output of the Linux "sha256sum" command against the target file.

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