



**Next-Generation Smart Contract Audit**  
**AI-Powered KYC & KYB | Marketing**

**Verse Casino**



**AUDIT**

**12/03/2023**

**Nordbit.io**



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# Introduction

<b>Audited by</b>	Nordbit
Client	Verse Casino
Methodology	Manual code review, Automated code review
Language	Solidity
Contract	0x040A53253771b9FB5E9304724F7758066De3BE2B
Blockchain	ETH
Centralization	Active ownership
Website	<a href="https://versecasino.games/">https://versecasino.games/</a>
Telegram	<a href="https://t.me/VerseCasinoGame">https://t.me/VerseCasinoGame</a>
Twitter	<a href="https://twitter.com/VerseCasinoGame">https://twitter.com/VerseCasinoGame</a>
Docs	<a href="https://verse-casino-1.gitbook.io/verse-casino-white-paper/">https://verse-casino-1.gitbook.io/verse-casino-white-paper/</a>

Report date March 12, 2023

Always verify authenticity of Nordbit reports on our Github:  
<https://github.com/Nordbitio/AUDIT>

NORDBIT received the application for a smart contract security audit of a Verce Casino on March 10, 2023. The following are the details and results of this smart contract security audit:

**Token Name**

Verse Casino

**Contract address**

0x040A53253771b9FB5E9304724F7758066De3BE2B

**TokenTracker:**

Verse Casino Games (VerseCasino)

**Link Address:**

<https://etherscan.io/token/0x040a53253771b9fb5e9304724f7758066de3be2b>

**Decimals**

18

**Total Supply**

100 Million

**Circulating Supply**

100 Million (100%)

**Compile Info**

v0.8.15+commit.e14f2714

-

Audit Result: **PASSED**

Audit Number: JUST112032023

Audit Date: March 12, 2023

Audit Team: Nordbit\_Just

<https://www.nordbit.io/>

# Audit

This Audit Report mainly focuses on the overall security of Verse Casino Smart Contract. With this report, we have tried to ensure the reliability and correctness of their smart contract by complete and rigorous assessment of their system's architecture and the smart contract codebase.

## Auditing Approach and Methodologies

The Nordbit team has performed rigorous testing of the project starting with analysing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries.

Nordbit then performed a formal line-by-line inspection of the Smart Contract to find any potential issues like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

In the Unit testing Phase, we coded/conducted custom unit tests written for each function in the contract to verify that each function works as expected.

In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.

### **The code was tested in collaboration with our multiple team members and this included the:**

Testing the functionality of the Smart Contract to determine proper logic has been followed

throughout the whole process.

Analysing the complexity of the code in-depth and detailed, manual review of the code, line-by-line.

Deploying the code on TESTNET using multiple clients to run live tests.

Analysing failure preparations to check how the Smart Contract performs in case of any bugs and vulnerabilities.

Checking whether all the libraries used in the code are on the latest version.

Analysing the security of the on-chain data.

Languages: Solidity (Smart contract)

Platforms and Tools: Remix IDE, Truffle, Truffle Team, Ganache, Solhint, VScode, Mythril, Contract Library

## Audit Goals

The focus of the audit was to verify that the Smart Contract System is secure, resilient and working according to the specifications. The audit activities can be grouped in the following three categories:

### Security

Identifying security related issues within each contract and the system of contract.

### Sound Architecture - **Passed**

Evaluation of the architecture of this system through the lens of established smart contract best practices and general software best practices.

### Code Correctness and Quality - **Passed**

A full review of the contract source code. The primary areas of focus include:

- Accuracy
- Readability
- Sections of code with high complexity
- Quantity and quality of test coverage

### Issue Categories - **Passed**

Every issue in this report was assigned a severity level from the following: none

### High level severity issues - **Passed**

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

### Medium level severity issues - **Passed**

Issues on this level could potentially bring problems and should eventually be fixed.

### Low level severity issues - **Passed**

Issues on this level are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

## Number of issues per severity

Critical	High	Medium	Low
0	0	0	0

## Issues Checking Status

1. Compiler warnings	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
11 Economy model	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 Zeppelin module	Passed
21. Fallback function security	Passed

## 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 below disclaimer below – please make sure to read it in full.

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## Summary

Smart contract do not contain any high severity issues.

Note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report.