



Smart contracts security assessment

Final report

Tariff: Standard

Partial Finance

February 2022



0xguard.com



hello@0xguard.com

Contents

1. Introduction	3
2. Contracts checked	3
3. Procedure	4
4. Classification of issue severity	4
5. Issues	4
6. Conclusion	6
7. Disclaimer	7

Introduction

This report has been prepared for the Partial Finance team upon their request.

The audited project is a fork of the Tomb Finance Project.

The purpose of this audit was to ensure that no issues were introduced with the changes to the original code and that known vulnerabilities (e.g. [circumventing](#) the protocol's fee system) are fixed prior to deployment.

Further details about Partial Finance are available at the official website: <https://partial.finance>

Name	Partial Finance
Audit date	2022-02-25 - 2022-02-25
Language	Solidity
Platform	Fantom Network

Contracts checked

Name	Address
PshareRewardPool	0xd5f73D588C3CaCd45B334f873b7B2E7DfaA4cCc7
PARTIAL	0x9486fDA4C1192db69a08CA7235E2E6bAf31B467B
Boardroom	0x5FcE757a1aa5C489B008a4Df6CA2ef9088B5bCA4
Treasury	0x5Cf2EB28083B95A7c0E73FE0F1312e4497FC2A53
PBOND	0x490Ae3656d115b063E646AdC020FE4d5646c61b5
PSHARE	0x8C64D18E9d4A7b8e8c10C5c5a4b8D6D83cb15002

Procedure

We perform our audit according to the following procedure:

Automated analysis

- Scanning the project's smart contracts with several publicly available automated Solidity analysis tools
- Manual verification (reject or confirm) all the issues found by the tools

Manual audit

- Comparing the project to the Tomb Finance implementation

Classification of issue severity

High severity

High severity issues can cause a significant or full loss of funds, change of contract ownership, major interference with contract logic. Such issues require immediate attention.

Medium severity

Medium severity issues do not pose an immediate risk, but can be detrimental to the client's reputation if exploited. Medium severity issues may lead to a contract failure and can be fixed by modifying the contract state or redeployment. Such issues require attention.

Low severity

Low severity issues do not cause significant destruction to the contract's functionality. Such issues are recommended to be taken into consideration.

Issues

High severity issues

No issues were found

Medium severity issues

No issues were found

Low severity issues

No issues were found

Conclusion

The Partial Finance Project was compared with the Tomb Project. Partial Finance has changed the implementation of Treasury and Token contracts.

The changed Token contract is not affected by the vulnerability that was discovered in the Tomb Project since the TAX collection functionality is never used in the deployed contract at address [0x9486fDA4C1192db69a08CA7235E2E6bAf31B467B](https://etherscan.io/address/0x9486fDA4C1192db69a08CA7235E2E6bAf31B467B).

In the contract Treasury , the array of pools excludedFromTotalSupply[] was reduced to a single address.

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