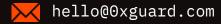


Smart contracts security assessment

Final report
Tariff: Standare

Champion Finance UVIC





Contents

1.	Introduction	3
2.	Contracts checked	3
3.	Procedure	4
4.	Known vulnerabilities checked	4
5.	Classification of issue severity	5
6.	Issues	6
7.	Conclusion	8
8	Disclaimer	9

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Introduction

The report has been prepared for Champion Finance.

The Champion Finance Protocol allows users to farm UVICTokens. The UVICToken is a rebase token. The EVICToken owner (taxOffice) can set a fee on token trading or set a limit on the amount of the sale of the token.

Contracts UVICTreasury and UVICBoardroom allow keeping a stable price of the UVICToken using the rebase mechanism.

The code is available at the GitHub <u>repository</u> and was audited after the commit 6d309c479c474582a0dff378d34dce318dc69882.

Report Update.

The contract's code was updated according to this report and rechecked after the commit b121ac0ea90d9dd762710bf1846e9a8dc3949c89.

Only 3 contracts with their dependencies were audited: UVICToken, UVICBoardroom, UVICTreasury.

Name	Champion Finance UVIC
Audit date	2022-09-26 - 2022-09-28
Language	Solidity
Platform	Avalanche Network

Contracts checked

Name	Address
UVICToken	
UVICBoardroom	
UVICTreasury	

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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

- Manually analyze smart contracts for security vulnerabilities
- Smart contracts' logic check

Known vulnerabilities checked

Title	Check result
Unencrypted Private Data On-Chain	passed
Code With No Effects	passed
Message call with hardcoded gas amount	passed
Typographical Error	passed
DoS With Block Gas Limit	passed
Presence of unused variables	passed
Incorrect Inheritance Order	passed
Requirement Violation	passed
Weak Sources of Randomness from Chain Attributes	passed
Shadowing State Variables	passed

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Incorrect Constructor Name passed Block values as a proxy for time passed Authorization through tx.origin passed DoS with Failed Call passed Delegatecall to Untrusted Callee passed Use of Deprecated Solidity Functions passed Assert Violation passed State Variable Default Visibility passed Reentrancy passed Unprotected SELFDESTRUCT Instruction passed Unprotected Ether Withdrawal passed Unchecked Call Return Value passed Floating Pragma passed Outdated Compiler Version passed Integer Overflow and Underflow passed Function Default Visibility passed

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.

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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

1. Gas optimization (UVICToken)

Status: Open

- 1. The visibility of the setMarketLpPairs() function can be changed to external to save gas.
- 2. The require check on L328 is redundant because there is no way to set polWallet to zero-address.

2. Incorrect commets (UVICTreasury)

Status: Fixed

There are incorrect comments with 'WETH' token symbol on L188, L189, L415, L416.

3. Payouts to funds 100% rewards (UVICTreasury)

Status: Open

The contract operator can set a 50% reward amount for each fund: daoFundSharedPercent and polFundSharedPercent (in total 100%). This means that all rewards will go to these funds with nothing left for all boardroom contracts.

function _expansionBoardroom(uint256 _tokenPrice) internal {



```
uint256 _daoFundReward =
boardroomReward.mul(daoFundSharedPercent).div(100);
    uint256 _polReward = boardroomReward.mul(polFundSharedPercent).div(100);
    uint256 _boardroomReward =
boardroomReward.sub(_daoFundReward).sub(_polReward);

    daoFundReward = daoFundReward.add(_daoFundReward);
    polReward = polReward.add(_polReward);

    mainTokenErc20.mint(address(this), _boardroomReward);
    IERC20(mainToken).safeApprove(boardroomAddress, _0);
    IERC20(mainToken).safeApprove(boardroomAddress, _boardroomReward);
    boardroom.allocateSeigniorage(_boardroomReward);
    ...
}
```

Recommendation: Consider lowering the total payment to the funds.

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Conclusion

Champion Finance UVIC UVICToken, UVICBoardroom, UVICTreasury contracts were audited. 3 low severity issues were found.

1 low severity issue has been fixed in the update.

According to this report 1 low issue was fixed by the Champion Finance team.

We strongly recommend writing unit tests to have extensive coverage of the codebase minimize the possibility of bugs and ensure that everything works as expected.



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