Audit Report for **UP611** Date: 13 June 2024

Audit result: High-Risk Major Flag

Token Address: 0xAC66008B0a72048c048cC1F766e76D46e4F247cB

Name: UP611

Symbol: UP611

Decimals: 18

Network: BscScan

Token Type: BEP-20

Owner: -

Deployer: 0x6De47C44E99b02519e7Fa34daF730d4f691b1aee

Token Supply: 500000000

Checksum: A17acbefe2a12642d388659dffd20211

Testnet:

 $\underline{https://testnet.bscscan.com/address/0xf27f6ac1239e1466a38dfd4b2cf40431a7ab7a58\#code}$

Token Overview:

Buy Fee: 0%

Sell Fee: 0%

Transfer Fee: 0%

Fee Privilege: Owner

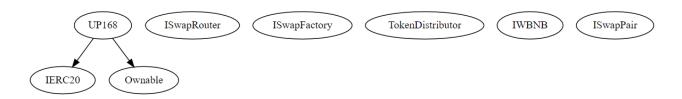
Ownership: Owned

Minting: None

Max Tx: No

Blacklist: Yes

Inheritance Tree



Static Analysis

A static analysis of the code was performed using Slither. No issues were found.

```
NPOD Detectors:

UPISS. sampTolenForFund(uint256, uint256) (UPISS. sol#734-826) performs a multiplication on the result of a division:

- toFundAmt = (nem8al * C_buyFundFee * selFundFee) / totalShare (UPI68.sol#771-772)

- amountOfFund = toFundAmt * 1 /3 (UPI68.sol#789)

UPISS. sampTolenForFund(uint256, uint256) (UPI68.sol#781-826) performs a multiplication on the result of a division:

- toFundAmt * (nem8al * C_buyFundFee * selFundFee) / totalShare (UPI68.sol#771-772)

- amountOfLapan = toFundAmt * 12 / 13 (UPI68.sol#781)

Reference: https://github.com/crytic/Sithter/wiki/Detector-DocumentationHdivide-before-multiply

INFO:Detectors:

UPI68 (UPI68.sol#131-1029) has incorrect ERC28 function interface:IERC20.approve(address, uint256) (UPI68.sol#25)

UPI68 (UPI68.sol#131-1029) has incorrect ERC28 function interface:IERC20.transfeerFom(address, address, uint256)

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Reference: https://github.com/crytic/faltHer/wiki/Detector-DocumentationHincorrect-erc28-interface

Interface

Interface to upic to
```

Functional Tests Router (PCS V2):

1- Approve (passed):

 $\frac{https://testnet.bscscan.com/tx/0xee88bb95a69b36de512401f6c247e15c49c417bfd5979e629ddd18d281ed3523}{281ed3523}$

2- launch (passed):

 $\frac{https://testnet.bscscan.com/tx/0xda22bdaa056b7000eafc8bbe98c9d418b6d214241177a86350e87d6}{51cf61cca}$

3- Multi Add Holder (passed):

https://testnet.bscscan.com/tx/0x1a3ed1bf5254e3d888df57bfdad106642935967c13f98a53b0064d98 27da6e5c

4- Set Fund Address (passed):

 $\underline{https://testnet.bscscan.com/tx/0x98d624809d81273be35cc5c82402d9cbedac47c1028016e299d8e0f9691de3ff}$

5- Multi_bclist (passed):

 $\underline{\text{https://testnet.bscscan.com/tx/0x5818c6386663aabaecb5426f7befc2164603de1be9dcbc34b7ccd9edcba89750}$

6- Set Add Liquidity Fee (passed):

 $\frac{https://testnet.bscscan.com/tx/0x7fb38df712229aed61d8254a357eb82a15ff7776676feb835898c146}{c1deae7e}$

7- Transfer (passed):

 $\frac{https://testnet.bscscan.com/tx/0xef7bc731c4a6cbea982495cea74de4465298da55753951c697fd92f5}{4cc0c7c8}$

Ownership Privileges:

- The owner can transfer ownership.
- The owner can renounce ownership.
- The owner can start trading.
- The owner can set the token sell rate.
- The owner can set an Add Liquidity Fee of not more than 25%.
- The owner can remove the liquidity fee.
- The owner can set a Fund Address.
- The owner can start/stop LP.
- The owner can set a whitelist address.
- The owner can complete customs.
- The owner can blacklist multiple addresses.
- The owner can disable the wallet limit.
- The owner can change the wallet limit.
- The owner can hold multiple addresses.
- The owner can exclude address.

Findings: Critical: 0 High: 2 Medium: 1 Low: 3

Informational & Optimizations: 1

Centralization – **Enabling Trades**

Severity: High Function: Launch Status: Open

Overview:

The **Launch** function permits only the contract owner to activate trading capabilities. Until this function is executed, no investors can buy, sell, or transfer their tokens. This places a high degree of control and centralization in the hands of the contract owner.

```
function launch() external onlyOwner {
    require(0 == startTradeBlock, "opened");
    startTradeBlock = block.number;
}
```

Suggestion:

To reduce centralization and potential manipulation, consider one of the following approaches:

- 1. Automatically enable trading after a specified condition, such as the completion of a presale, is met.
- 2. If manual activation is still desired, consider transferring the ownership of the contract to a trustworthy, third-party entity like a certified "PinkSale Safu" developer. This can give investors more confidence in the eventual activation of trading capabilities, mitigating concerns of potential bad-faith actions by the original owner.

Centralization – Owner can blacklist wallets.

Severity: High

Function: addToBlacklis

Status: Open Overview:

The owner can blacklist wallets from transferring of tokens for an indefinite period of time which is not recommended. Which can lock user's token.

Suggestion:

There should be a locking period so that the wallet cannot be locked for an indefinite. Period of time.

Centralization – Liquidity is added to EOA.

Severity: Medium

Function: addLiquidity

Status: Open Overview:

Liquidity is added to EOA. It may be drained by the fundAddress.

Suggestion:

It is suggested that the address should be a contract address or a dead address.

Centralization – **Missing Events**

Severity: Low

Subject: Missing Events

Status: Open Overview:

They serve as a mechanism for emitting and recording data onto the blockchain, making it transparent and easily accessible.

```
function completeCustoms(uint256[] calldata customs) external onlyOwner {
        require(enableChangeTax, "disabled");
        buyFundFee = customs[0];
        _buyLPFee = customs[1];
        buyRewardFee = customs[2];
        buy_burnFee = customs[3];
        _sellFundFee = customs[4];
        _sellLPFee = customs[5];
        _sellRewardFee = customs[6];
        sell_burnFee = customs[7];
        require(
            buyRewardFee + buyLPFee + buyFundFee + buy_burnFee < 2500,</pre>
            "buy!<25"
        );
        require(
            _sellRewardFee + _sellLPFee + _sellFundFee + sell_burnFee < 2500,
            "sell!<25"
        );
function setFundAddress(address payable addr) external onlyOwner {
        require(!isContract(addr), "no contract ");
        fundAddress = addr;
        _feeWhiteList[addr] = true;
function setProcessRewardWaitBlock(uint256 newValue) external onlyOwner {
        processRewardWaitBlock = newValue;
function setHolderRewardCondition(uint256 amount) external onlyOwner {
        holderRewardCondition = amount;
function setisMaxEatExempt(address holder, bool exempt) external onlyOwner {
        isMaxEatExempt[holder] = exempt;
function setAirdropNumbs(uint256 newValue) external onlyOwner {
        require(newValue <= 5, "!<= 5");</pre>
        airdropNumbs = newValue;
```

Suggestion:

Emit an event for critical changes.

Centralization – Missing Zero Address

Severity: Low

Subject: Zero Check

Status: Open Overview:

Functions can take a zero address as a parameter (0x00000...). If a function parameter of address type is not properly validated by checking for zero addresses, there could be serious consequences for the contract's functionality.

```
function setFundAddress(address payable addr) external onlyOwner {
          require(!isContract(addr), "no contract ");
          fundAddress = addr;
          _feeWhiteList[addr] = true;
    }
function setisMaxEatExempt(address holder, bool exempt) external onlyOwner {
          isMaxEatExempt[holder] = exempt;
    }
```

Centralization – Local variable Shadowing

Severity: Low

Subject: Variable Shadowing

Status: Open Overview:

```
function allowance(
         address owner,
         address spender
) public view override returns (uint256) {
        return _allowances[owner][spender];
}
function _approve(address owner, address spender, uint256 amount) private {
        _allowances[owner][spender] = amount;
        emit Approval(owner, spender, amount);
}
```

Suggestion:

Rename the local variables that shadow another component.

Optimization

Severity: Informational

Subject: Floating Pragma Solidity version

Status: Open Overview:

It is considered best practice to pick one compiler version and stick with it. With a floating pragma, contracts may accidentally be deployed using an outdated.

pragma solidity ^0.8.18;

Suggestion:

Adding the latest constant version of solidity is recommended, as this prevents the unintentional deployment of a contract with an outdated compiler that contains unresolved bugs.