



# Audit Report

## **LasMeta**

August 2022

|            |                                            |
|------------|--------------------------------------------|
| Type       | ERC20                                      |
| Network    | ETH                                        |
| Address    | 0x6F66f3012E0210baBD2384e31863C30f70356237 |
| Audited by | © coinscope                                |

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## Contract Review

|                         |                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | LASM                                                                                                                                                          |
| <b>Compiler Version</b> | v0.8.11+commit.d7f03943                                                                                                                                       |
| <b>Optimization</b>     | 200 runs                                                                                                                                                      |
| <b>Licence</b>          | None                                                                                                                                                          |
| <b>Explorer</b>         | <a href="https://etherscan.io/address/0x6F66f3012E0210baBD2384e31863C30f70356237">https://etherscan.io/address/0x6F66f3012E0210baBD2384e31863C30f70356237</a> |
| <b>Symbol</b>           | LASM                                                                                                                                                          |
| <b>Decimals</b>         | 18                                                                                                                                                            |
| <b>Total Supply</b>     | 800,000,000                                                                                                                                                   |
| <b>Domain</b>           | <a href="https://lasmeta.io">https://lasmeta.io</a>                                                                                                           |

## Source Files

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Filename</b>     | <b>SHA256</b>                                                    |
| <b>contract.sol</b> | 047d069f58ff40649835032aafab2bebfde42b543ade395489e951726b5fb0ce |

## Audit Updates

|                          |                    |
|--------------------------|--------------------|
| <b>Initial Audit</b>     | 13th February 2022 |
| <b>Corrected Phase 1</b> | 5th May 2022       |
| <b>Corrected Phase 2</b> | 17th August 2022   |

# Contract Analysis

● Critical   
 ● Medium   
 ● Minor   
 ● Pass

| Severity                            | Code | Description                                                                                                       |
|-------------------------------------|------|-------------------------------------------------------------------------------------------------------------------|
| <span style="color: blue;">●</span> | ST   | Contract Owner is not able to stop or pause transactions                                                          |
| <span style="color: blue;">●</span> | OCTD | Contract Owner is not able to transfer tokens from specific address                                               |
| <span style="color: blue;">●</span> | OTUT | Owner Transfer User's Tokens                                                                                      |
| <span style="color: gray;">●</span> | ELFM | Contract Owner is not able to increase fees more than a reasonable percent (25%)                                  |
| <span style="color: blue;">●</span> | ULTW | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| <span style="color: blue;">●</span> | MT   | Contract Owner is not able to mint new tokens                                                                     |
| <span style="color: blue;">●</span> | BT   | Contract Owner is not able to burn tokens from specific wallet                                                    |
| <span style="color: gold;">●</span> | BC   | Contract Owner is not able to blacklist wallets from selling                                                      |

## ELFM - Exceed Limit Fees Manipulation

|                    |                              |
|--------------------|------------------------------|
| <b>Criticality</b> | minor                        |
| <b>Location</b>    | contract.sol#L1477,1488,1499 |

### Description

The contract owner has the authority to increase over the allowed limit of 25%. The owner may take advantage of it by calling the `setTeamDevFee` function with the `MAXIMUM_TRANSFER_TAX_RATE`. The max transaction fee is 30%.

```
function setTeamDevFee(uint256 value) external onlyOwner{
    require(value <= MAXIMUM_TRANSFER_TAX_RATE, "Invalid percentage");

function setRewardsFee(uint256 value) external onlyOwner{
    require(value <= MAXIMUM_TRANSFER_TAX_RATE, "Invalid percentage");

function setLiquiditFee(uint256 value) external onlyOwner{
    require(value <= MAXIMUM_TRANSFER_TAX_RATE, "Invalid percentage");
```

### Recommendation

The contract could embody a check for the maximum acceptable transaction fee.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

## BC - Blacklisted Contracts

|                    |                    |
|--------------------|--------------------|
| <b>Criticality</b> | medium             |
| <b>Location</b>    | contract.sol#L1519 |

### Description

The contract owner has the authority to stop contracts from transactions. The owner may take advantage of it by calling the `blacklistAddress` function.

```
require(!_isBlacklisted[from] && !_isBlacklisted[to], 'Blacklisted address');
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

# Contract Diagnostics

● Critical    ● Medium    ● Minor

| Severity | Code | Description                                |
|----------|------|--------------------------------------------|
| ●        | ZD   | Zero Division                              |
| ●        | L01  | Public Function could be Declared External |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L05  | Unused State Variable                      |
| ●        | L09  | Dead Code Elimination                      |
| ●        | L12  | Using Variables before Declaration         |
| ●        | L14  | Uninitialized Variables in Local Scope     |
| ●        | L15  | Local Scope Variable Shadowing             |

## ZD - Zero Division

|                    |                    |
|--------------------|--------------------|
| <b>Criticality</b> | minor              |
| <b>Location</b>    | contract.sol#L1929 |

### Description

The contract is using variables that may be set to zero as denominators. As a result, the transactions will revert.

The variable `totalFees` can be set to zero.

```
if( canSwap &&
    !swapping &&
    !automatedMarketMakerPairs[from] &&
    from != owner() &&
    to != owner() &&
    swapAndLiquifyEnabled
) {
    swapping = true;

    uint256 teamDevTokens =
contractTokenBalance.mul(teamFee).div(totalFees);
    sendToTeamDevAndBuyBackFee(teamDevTokens);
```

### Recommendation

The contract should prevent those variables to be set to zero or should not allow them to execute the corresponding statements.

## L01 - Public Function could be Declared External

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                                             |
| <b>Location</b>    | contract.sol#L931,1116,248,684,946,259,1131,387,613,1159,252,727,596,639,707,265,395,2448,1587,662,1173,2404,1578 |

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
operator
getAccountAtIndex
withdrawnDividendOf
approve
transferOperator
process
transferOwnership
size
increaseAllowance
...
```

### Recommendation

Use the external attribute for functions never called from the contract.

## L04 - Conformance to Solidity Naming Conventions

|                    |                                                                                                                                       |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                                                                 |
| <b>Location</b>    | contract.sol#L1454,1428,1983,1596,1098,1456,1103,1450,1441,1452,1159,1451,1173,1424,2072,1166,2359,1455,1449,1275,1791,1183,1444,1453 |

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
development
manager
_owner
_amount
WETH
locked
airdrop
_account
_delegates
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>.

## L05 - Unused State Variable

**Criticality**

minor

**Location**

contract.sol#L980

### Description

There are segments that contain unused state variables.

```
MAX_INT256
```

### Recommendation

Remove unused state variables.

## L09 - Dead Code Elimination

**Criticality**

minor

**Location**

contract.sol#L1026,1193

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
_transfer  
abs
```

### Recommendation

Remove unused functions.

## L12 - Using Variables before Declaration

**Criticality**

minor

**Location**

contract.sol#L1964

### Description

The contract is using a variable before the declaration. This is usually happening either if it has not been declared yet or the variable has been declared in a different scope.

```
claims  
lastProcessedIndex  
iterations
```

### Recommendation

The variables should be declared before any usage of them.

## L14 - Uninitialized Variables in Local Scope

**Criticality**

minor

**Location**

contract.sol#L1964

### Description

There are variables that are defined in the local scope and are not initialized.

```
lastProcessedIndex  
claims  
iterations
```

### Recommendation

All the local scoped variables should be initialized.

## L15 - Local Scope Variable Shadowing

**Criticality**

minor

**Location**

contract.sol#L1112,1183,1166,1159,1173

### Description

There are variables that are defined in the local scope containing the same name from an upper scope.

```
_owner  
_symbol  
_name
```

### Recommendation

The local variables should have different names from the upper scoped variables.

# Contract Functions

| Contract               | Type           | Bases      |            |           |
|------------------------|----------------|------------|------------|-----------|
|                        | Function Name  | Visibility | Mutability | Modifiers |
|                        |                |            |            |           |
| <b>SafeMath</b>        | Library        |            |            |           |
|                        | tryAdd         | Internal   |            |           |
|                        | trySub         | Internal   |            |           |
|                        | tryMul         | Internal   |            |           |
|                        | tryDiv         | Internal   |            |           |
|                        | tryMod         | Internal   |            |           |
|                        | add            | Internal   |            |           |
|                        | sub            | Internal   |            |           |
|                        | mul            | Internal   |            |           |
|                        | div            | Internal   |            |           |
|                        | mod            | Internal   |            |           |
|                        | sub            | Internal   |            |           |
|                        | div            | Internal   |            |           |
|                        | mod            | Internal   |            |           |
|                        |                |            |            |           |
| <b>IterableMapping</b> | Library        |            |            |           |
|                        | get            | Public     |            | -         |
|                        | getIndexOfKey  | Public     |            | -         |
|                        | getKeyAtIndex  | Public     |            | -         |
|                        | size           | Public     |            | -         |
|                        | set            | Public     | ✓          | -         |
|                        | remove         | Public     | ✓          | -         |
|                        |                |            |            |           |
| <b>Context</b>         | Implementation |            |            |           |
|                        | _msgSender     | Internal   |            |           |
|                        | _msgData       | Internal   |            |           |
|                        |                |            |            |           |
| <b>Ownable</b>         | Implementation | Context    |            |           |

|                       |                    |                                       |   |           |
|-----------------------|--------------------|---------------------------------------|---|-----------|
|                       | <Constructor>      | Public                                | ✓ | -         |
|                       | owner              | Public                                |   | -         |
|                       | _checkOwner        | Internal                              |   |           |
|                       | renounceOwnership  | Public                                | ✓ | onlyOwner |
|                       | transferOwnership  | Public                                | ✓ | onlyOwner |
|                       | _transferOwnership | Internal                              | ✓ |           |
|                       |                    |                                       |   |           |
| <b>IERC20</b>         | Interface          |                                       |   |           |
|                       | totalSupply        | External                              |   | -         |
|                       | balanceOf          | External                              |   | -         |
|                       | transfer           | External                              | ✓ | -         |
|                       | allowance          | External                              |   | -         |
|                       | approve            | External                              | ✓ | -         |
|                       | transferFrom       | External                              | ✓ | -         |
|                       |                    |                                       |   |           |
| <b>IERC20Metadata</b> | Interface          | IERC20                                |   |           |
|                       | name               | External                              |   | -         |
|                       | symbol             | External                              |   | -         |
|                       | decimals           | External                              |   | -         |
|                       |                    |                                       |   |           |
| <b>ERC20</b>          | Implementation     | Context,<br>IERC20,<br>IERC20Metadata |   |           |
|                       | <Constructor>      | Public                                | ✓ | -         |
|                       | name               | Public                                |   | -         |
|                       | symbol             | Public                                |   | -         |
|                       | decimals           | Public                                |   | -         |
|                       | totalSupply        | Public                                |   | -         |
|                       | balanceOf          | Public                                |   | -         |
|                       | transfer           | Public                                | ✓ | -         |
|                       | allowance          | Public                                |   | -         |
|                       | approve            | Public                                | ✓ | -         |
|                       | transferFrom       | Public                                | ✓ | -         |
|                       | increaseAllowance  | Public                                | ✓ | -         |

|                                             |                        |                |   |   |
|---------------------------------------------|------------------------|----------------|---|---|
|                                             | decreaseAllowance      | Public         | ✓ | - |
|                                             | _transfer              | Internal       | ✓ |   |
|                                             | _mint                  | Internal       | ✓ |   |
|                                             | _burn                  | Internal       | ✓ |   |
|                                             | _approve               | Internal       | ✓ |   |
|                                             | _spendAllowance        | Internal       | ✓ |   |
|                                             | _beforeTokenTransfer   | Internal       | ✓ |   |
|                                             | _afterTokenTransfer    | Internal       | ✓ |   |
|                                             |                        |                |   |   |
| <b>ERC20Burnable</b>                        | Implementation         | Context, ERC20 |   |   |
|                                             | burn                   | Public         | ✓ | - |
|                                             | burnFrom               | Public         | ✓ | - |
|                                             |                        |                |   |   |
| <b>SafeMathUint</b>                         | Library                |                |   |   |
|                                             | toInt256Safe           | Internal       |   |   |
|                                             |                        |                |   |   |
| <b>SafeMathInt</b>                          | Library                |                |   |   |
|                                             | mul                    | Internal       |   |   |
|                                             | div                    | Internal       |   |   |
|                                             | sub                    | Internal       |   |   |
|                                             | add                    | Internal       |   |   |
|                                             | abs                    | Internal       |   |   |
|                                             | toUint256Safe          | Internal       |   |   |
|                                             |                        |                |   |   |
| <b>DividendPayingTokenInterface</b>         | Interface              |                |   |   |
|                                             | dividendOf             | External       |   | - |
|                                             | withdrawDividend       | External       | ✓ | - |
|                                             |                        |                |   |   |
| <b>DividendPayingTokenOptionalInterface</b> | Interface              |                |   |   |
|                                             | withdrawableDividendOf | External       |   | - |
|                                             | withdrawnDividendOf    | External       |   | - |
|                                             | accumulativeDividendOf | External       |   | - |

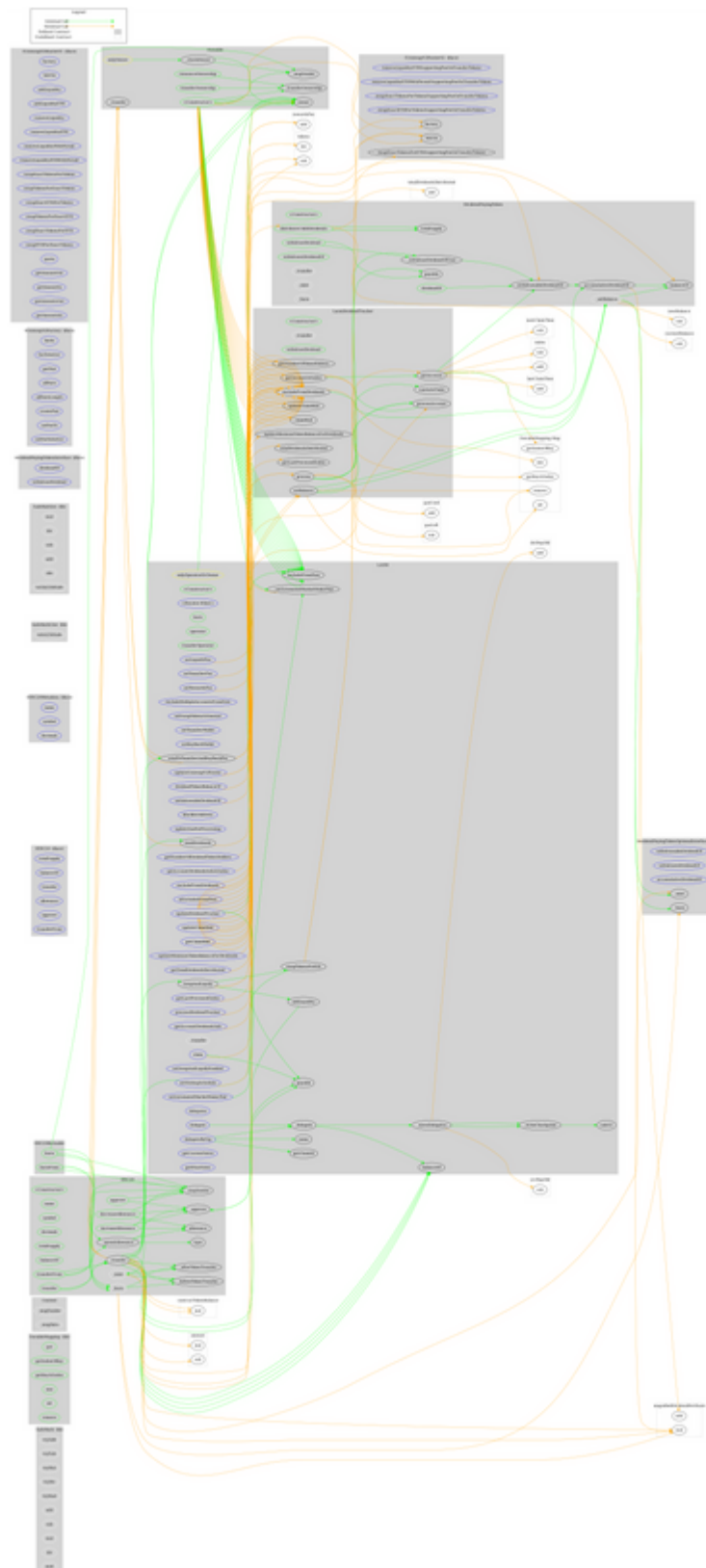
|                            |                         |                                                                                    |   |           |
|----------------------------|-------------------------|------------------------------------------------------------------------------------|---|-----------|
|                            |                         |                                                                                    |   |           |
| <b>DividendPayingToken</b> | Implementation          | ERC20, Ownable, DividendPayingTokenInterface, DividendPayingTokenOptionalInterface |   |           |
|                            | <Constructor>           | Public                                                                             | ✓ | ERC20     |
|                            | distributeCAKEDividends | Public                                                                             | ✓ | onlyOwner |
|                            | withdrawDividend        | Public                                                                             | ✓ | -         |
|                            | _withdrawDividendOfUser | Internal                                                                           | ✓ |           |
|                            | dividendOf              | Public                                                                             |   | -         |
|                            | withdrawableDividendOf  | Public                                                                             |   | -         |
|                            | withdrawnDividendOf     | Public                                                                             |   | -         |
|                            | accumulativeDividendOf  | Public                                                                             |   | -         |
|                            | _transfer               | Internal                                                                           | ✓ |           |
|                            | _mint                   | Internal                                                                           | ✓ |           |
|                            | _burn                   | Internal                                                                           | ✓ |           |
|                            | _setBalance             | Internal                                                                           | ✓ |           |
|                            |                         |                                                                                    |   |           |
| <b>IUniswapV2Factory</b>   | Interface               |                                                                                    |   |           |
|                            | feeTo                   | External                                                                           |   | -         |
|                            | feeToSetter             | External                                                                           |   | -         |
|                            | getPair                 | External                                                                           |   | -         |
|                            | allPairs                | External                                                                           |   | -         |
|                            | allPairsLength          | External                                                                           |   | -         |
|                            | createPair              | External                                                                           | ✓ | -         |
|                            | setFeeTo                | External                                                                           | ✓ | -         |
|                            | setFeeToSetter          | External                                                                           | ✓ | -         |
|                            |                         |                                                                                    |   |           |
| <b>IUniswapV2Router01</b>  | Interface               |                                                                                    |   |           |
|                            | factory                 | External                                                                           |   | -         |
|                            | WETH                    | External                                                                           |   | -         |

|                           |                                                           |                               |         |       |
|---------------------------|-----------------------------------------------------------|-------------------------------|---------|-------|
|                           | addLiquidity                                              | External                      | ✓       | -     |
|                           | addLiquidityETH                                           | External                      | Payable | -     |
|                           | removeLiquidity                                           | External                      | ✓       | -     |
|                           | removeLiquidityETH                                        | External                      | ✓       | -     |
|                           | removeLiquidityWithPermit                                 | External                      | ✓       | -     |
|                           | removeLiquidityETHWithPermit                              | External                      | ✓       | -     |
|                           | swapExactTokensForTokens                                  | External                      | ✓       | -     |
|                           | swapTokensForExactTokens                                  | External                      | ✓       | -     |
|                           | swapExactETHForTokens                                     | External                      | Payable | -     |
|                           | swapTokensForExactETH                                     | External                      | ✓       | -     |
|                           | swapExactTokensForETH                                     | External                      | ✓       | -     |
|                           | swapETHForExactTokens                                     | External                      | Payable | -     |
|                           | quote                                                     | External                      |         | -     |
|                           | getAmountOut                                              | External                      |         | -     |
|                           | getAmountIn                                               | External                      |         | -     |
|                           | getAmountsOut                                             | External                      |         | -     |
|                           | getAmountsIn                                              | External                      |         | -     |
|                           |                                                           |                               |         |       |
| <b>IUniswapV2Router02</b> | Interface                                                 | IUniswapV2Router01            |         |       |
|                           | removeLiquidityETHSupportingFeeOnTransferTokens           | External                      | ✓       | -     |
|                           | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External                      | ✓       | -     |
|                           | swapExactTokensForTokensSupportingFeeOnTransferTokens     | External                      | ✓       | -     |
|                           | swapExactETHForTokensSupportingFeeOnTransferTokens        | External                      | Payable | -     |
|                           | swapExactTokensForETHSupportingFeeOnTransferTokens        | External                      | ✓       | -     |
|                           |                                                           |                               |         |       |
| <b>LASM</b>               | Implementation                                            | ERC20, ERC20Burnable, Ownable |         |       |
|                           | <Constructor>                                             | Public                        | ✓       | ERC20 |
|                           | <Receive Ether>                                           | External                      | Payable | -     |
|                           | burn                                                      | Public                        | ✓       | -     |

|  |                                       |          |   |                     |
|--|---------------------------------------|----------|---|---------------------|
|  | operator                              | Public   |   | -                   |
|  | transferOperator                      | Public   | ✓ | onlyOwner           |
|  | setVestingSchedule                    | External | ✓ | onlyOwner           |
|  | updateDividendTracker                 | External | ✓ | onlyOwner           |
|  | updateUniswapV2Router                 | External | ✓ | onlyOwner           |
|  | excludeFromFees                       | Public   | ✓ | onlyOperatorOrOwner |
|  | excludeMultipleAccountsFromFees       | External | ✓ | onlyOwner           |
|  | setSwapTokensAtAmount                 | External | ✓ | onlyOwner           |
|  | setTeamDevWallet                      | External | ✓ | onlyOwner           |
|  | setBuyBackWallet                      | External | ✓ | onlyOwner           |
|  | setRewardsFee                         | External | ✓ | onlyOwner           |
|  | setLiquiditFee                        | External | ✓ | onlyOwner           |
|  | setTeamDevFee                         | External | ✓ | onlyOwner           |
|  | setAutomatedMarketMakerPair           | External | ✓ | onlyOwner           |
|  | blacklistAddress                      | External | ✓ | onlyOwner           |
|  | _setAutomatedMarketMakerPair          | Private  | ✓ |                     |
|  | updateGasForProcessing                | External | ✓ | onlyOwner           |
|  | updateClaimWait                       | External | ✓ | onlyOwner           |
|  | getClaimWait                          | External |   | -                   |
|  | updateMinimumTokenBalanceForDividends | External | ✓ | onlyOwner           |
|  | getTotalDividendsDistributed          | External |   | -                   |
|  | isExcludedFromFees                    | External |   | -                   |
|  | withdrawableDividendOf                | External |   | -                   |
|  | dividendTokenBalanceOf                | External |   | -                   |
|  | excludeFromDividends                  | External | ✓ | onlyOperatorOrOwner |
|  | getAccountDividendsInfo               | External |   | -                   |
|  | getAccountDividendsInfoAtIndex        | External |   | -                   |
|  | processDividendTracker                | External | ✓ | -                   |
|  | claim                                 | External | ✓ | -                   |
|  | getLastProcessedIndex                 | External |   | -                   |
|  | getNumberOfDividendTokenHolders       | External |   | -                   |
|  | _transfer                             | Internal | ✓ |                     |
|  | sendToTeamDevAndBuyBackFee            | Private  | ✓ |                     |

|                             |                                       |                              |   |                     |
|-----------------------------|---------------------------------------|------------------------------|---|---------------------|
|                             | setSwapAndLiquifyEnabled              | External                     | ✓ | onlyOwner           |
|                             | swapAndLiquify                        | Private                      | ✓ |                     |
|                             | swapTokensForEth                      | Private                      | ✓ |                     |
|                             | addLiquidity                          | Private                      | ✓ |                     |
|                             | sendDividends                         | Private                      | ✓ |                     |
|                             | delegates                             | External                     |   | -                   |
|                             | delegate                              | External                     | ✓ | -                   |
|                             | delegateBySig                         | External                     | ✓ | -                   |
|                             | getCurrentVotes                       | External                     |   | -                   |
|                             | getPriorVotes                         | External                     |   | -                   |
|                             | _delegate                             | Internal                     | ✓ |                     |
|                             | _moveDelegates                        | Internal                     | ✓ |                     |
|                             | _writeCheckpoint                      | Internal                     | ✓ |                     |
|                             | safe32                                | Internal                     |   |                     |
|                             | getChainId                            | Internal                     |   |                     |
|                             |                                       |                              |   |                     |
| <b>LasmDividend Tracker</b> | Implementation                        | Ownable, DividendPayingToken |   |                     |
|                             | <Constructor>                         | Public                       | ✓ | DividendPayingToken |
|                             | _transfer                             | Internal                     |   |                     |
|                             | withdrawDividend                      | Public                       |   | -                   |
|                             | excludeFromDividends                  | External                     | ✓ | onlyOwner           |
|                             | updateClaimWait                       | External                     | ✓ | onlyOwner           |
|                             | updateMinimumTokenBalanceForDividends | External                     | ✓ | onlyOwner           |
|                             | getLastProcessedIndex                 | External                     |   | -                   |
|                             | getNumberOfTokenHolders               | External                     |   | -                   |
|                             | getAccount                            | Public                       |   | -                   |
|                             | getAccountAtIndex                     | Public                       |   | -                   |
|                             | canAutoClaim                          | Private                      |   |                     |
|                             | setBalance                            | External                     | ✓ | onlyOwner           |
|                             | process                               | Public                       | ✓ | -                   |
|                             | processAccount                        | Public                       | ✓ | onlyOwner           |

# Contract Flow



## Domain Info

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Domain Name</b>            | lasmeta.io                                                                                                          |
| <b>Registry Domain ID</b>     | 4c52850cd4c84b64a1f77dd96092dc49-DONUTS                                                                             |
| <b>Creation Date</b>          | 2021-11-28T19:04:22Z                                                                                                |
| <b>Updated Date</b>           | 2021-12-15T11:55:12Z                                                                                                |
| <b>Registry Expiry Date</b>   | 2022-11-28T19:04:22Z                                                                                                |
| <b>Registrar WHOIS Server</b> | whois.godaddy.com/                                                                                                  |
| <b>Registrar URL</b>          | <a href="http://www.godaddy.com/domains/search.aspx?ci=8990">http://www.godaddy.com/domains/search.aspx?ci=8990</a> |
| <b>Registrar</b>              | GoDaddy.com, LLC                                                                                                    |
| <b>Registrar IANA ID</b>      | 146                                                                                                                 |

The domain has been created 3 months before the creation of the audit. It will expire in 10 months.

There is no public billing information, the creator is protected by the privacy settings.

## Summary

There are some functions that can be abused by the owner like manipulating fees and blacklisting addresses. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats. There is a max transaction fee limit of 30%.

# Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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## About Coinscope

CoinScope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

CoinScope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>



# Audit Report

## **LasMeta**

February 2022

|            |                                            |
|------------|--------------------------------------------|
| Type       | BEP20                                      |
| Network    | BSC                                        |
| Address    | 0x236Cc456F26B202F58E6fb4D05186d42B8a969eD |
| Audited by | © coinscope                                |

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## Contract Review

|                         |                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | LASM                                                                                                                                                    |
| <b>Compiler Version</b> | v0.8.0+commit.c7dfd78e                                                                                                                                  |
| <b>Optimization</b>     | 200 runs                                                                                                                                                |
| <b>Licence</b>          | None                                                                                                                                                    |
| <b>Explorer</b>         | <a href="https://bscscan.com/token/0x236Cc456F26B202F58E6fb4D05186d42B8a969eD">https://bscscan.com/token/0x236Cc456F26B202F58E6fb4D05186d42B8a969eD</a> |
| <b>Symbol</b>           | LASM                                                                                                                                                    |
| <b>Decimals</b>         | 18                                                                                                                                                      |
| <b>Total Supply</b>     | 800,000,000                                                                                                                                             |
| <b>Source</b>           | contract.sol                                                                                                                                            |
| <b>Domain</b>           | lasmeta.io                                                                                                                                              |

## Audit Updates

|                      |                    |
|----------------------|--------------------|
| <b>Initial Audit</b> | 13th February 2022 |
| <b>Corrected</b>     |                    |

# Contract Analysis

● Critical
 ● Medium
 ● Minor
 ● Pass

| Severity                            | Code | Description                                                                                                       |
|-------------------------------------|------|-------------------------------------------------------------------------------------------------------------------|
| <span style="color: blue;">●</span> | ST   | Contract Owner is not able to stop or pause transactions                                                          |
| <span style="color: gray;">●</span> | OCTD | Contract Owner is not able to transfer tokens from specific address                                               |
| <span style="color: blue;">●</span> | OTUT | Owner Transfer User's Tokens                                                                                      |
| <span style="color: red;">●</span>  | ELFM | Contract Owner is not able to increase fees more than a reasonable percent (25%)                                  |
| <span style="color: blue;">●</span> | ULTW | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| <span style="color: blue;">●</span> | MT   | Contract Owner is not able to mint new tokens                                                                     |
| <span style="color: blue;">●</span> | BT   | Contract Owner is not able to burn tokens from specific wallet                                                    |
| <span style="color: gold;">●</span> | BC   | Contract Owner is not able to blacklist wallets from selling                                                      |

## OCTD - Owner Contract Tokens Drain

|             |                    |
|-------------|--------------------|
| Criticality | minor              |
| Location    | contract.sol#L1807 |

### Description

The contract owner has the authority to claim a huge amount of the contract balance. The owner may take advantage of it by calling the `release` function. This function has not been called yet.

```
function release() public virtual onlyOwner {
    require(block.timestamp >= releaseTime(), "TokenTimelock: current time is before release time");

    uint256 amount = balanceOf(address(this));
    require(amount > 0, "TokenTimelock: no tokens to release");

    if (amount > lockedAmounts)
        amount = lockedAmounts;

    lockedAmounts = 0;

    ERC20._transfer(address(this), beneficiary(), amount);
}
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

## ELFM - Exceed Limit Fees Manipulation

|                    |                              |
|--------------------|------------------------------|
| <b>Criticality</b> | critical                     |
| <b>Location</b>    | contract.sol#L1473,1481,1489 |

### Description

The contract owner has the authority to increase over the allowed limit of 25%. The owner may take advantage of it by calling the `setGameDevFee` function with a high percentage value.

```
function setGameDevFee(uint256 value) external onlyOwner{  
    gameDevFee = value;  
    totalFees = rewardsFee.add(liquidityFee).add(gameDevFee);  
}
```

### Recommendation

The contract could embody a check for the maximum acceptable value.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

## BC - Blacklisted Contracts

|             |                    |
|-------------|--------------------|
| Criticality | medium             |
| Location    | contract.sol#L1658 |

### Description

The contract owner has the authority to stop contracts from transactions. The owner may take advantage of it by calling the `blacklistAddress` function.

```
require(!_isBlacklisted[from] && !_isBlacklisted[to], 'Blacklisted address');
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

# Contract Diagnostics

● Critical    ● Medium    ● Minor

| Severity | Code | Description                                |
|----------|------|--------------------------------------------|
| ●        | L01  | Public Function could be Declared External |
| ●        | L05  | Unused State Variable                      |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L09  | Dead Code Elimination                      |
| ●        | L12  | Using Variables before Declaration         |
| ●        | L07  | Missing Events Arithmetic                  |
| ●        | L15  | Local Scope Variable Shadowing             |
| ●        | L14  | Uninitialized Variables in Local Scope     |
| ●        | L13  | Divide before Multiply Operation           |

## L01 - Public Function could be Declared External

|                    |                                                   |
|--------------------|---------------------------------------------------|
| <b>Criticality</b> | minor                                             |
| <b>Location</b>    | contract.sol#L337,345,362,388,407,425 and 25 more |

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
process
getAccountAtIndex
release
...
```

### Recommendation

Use the external attribute for functions never called from the contract

## L05 - Unused State Variable

**Criticality**

minor

**Location**

contract.sol#L641

### Description

There are segments that contain unused state variables.

```
MAX_INT256
```

### Recommendation

Remove unused state variables.

## L04 - Conformance to Solidity Naming Conventions

**Criticality**

minor

**Location**

contract.sol#L876,883,890,900,815,820 and 15 more

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
_account  
GameDev  
airdrop  
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

## L09 - Dead Code Elimination

|                    |                                                  |
|--------------------|--------------------------------------------------|
| <b>Criticality</b> | minor                                            |
| <b>Location</b>    | contract.sol#L134,910,261,277,687,658 and 1 more |

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
mul
div
abs
...
```

### Recommendation

Remove unused functions.

## L12 - Using Variables before Declaration

**Criticality**

minor

**Location**

contract.sol#L1712

### Description

The contract is using a variable before the declaration. This is usually happening either if it has not been declared yet or the variable has been declared in a different scope.

```
iterations  
claims  
lastProcessedIndex
```

### Recommendation

The variables should be declared before any usage of them.

## L07 - Missing Events Arithmetic

**Criticality**

minor

**Location**

contract.sol#L1459,1473,1481,1489

### Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
gameDevFee = value  
liquidityFee = value  
rewardsFee = value  
...
```

### Recommendation

Emit an event for critical parameter changes.

## L15 - Local Scope Variable Shadowing

**Criticality**

minor

**Location**

contract.sol#L829,876,883,890,900

### Description

There are variables that are defined in the local scope containing the same name from an upper scope.

```
_owner  
_symbol  
_name  
...
```

### Recommendation

The local variables should have different names from the upper scoped variables.

## L14 - Uninitialized Variables in Local Scope

**Criticality**

minor

**Location**

contract.sol#L1712

### Description

There are variables that are defined in the local scope and are not initialized.

```
lastProcessedIndex  
claims  
iterations
```

### Recommendation

All the local scoped variables should be initialized.

## L13 - Divide before Multiply Operation

**Criticality**

minor

**Location**

contract.sol#L1304 and 2 more

### Description

Performing divisions before multiplications may cause lose of prediction.

```
lockedAmounts = (cap / 100) * 40
_mint(airdrop,(cap / 100) * 7)
_mint(GameRewards,(cap / 100) * 10)
...
```

### Recommendation

The multiplications should be prior to the divisions.

# Contract Functions

| Contract              | Type           | Bases      |            |           |
|-----------------------|----------------|------------|------------|-----------|
|                       | Function Name  | Visibility | Mutability | Modifiers |
| <b>IERC20</b>         | Interface      |            |            |           |
|                       | totalSupply    | External   |            | -         |
|                       | balanceOf      | External   |            | -         |
|                       | transfer       | External   | ✓          | -         |
|                       | allowance      | External   |            | -         |
|                       | approve        | External   | ✓          | -         |
|                       | transferFrom   | External   | ✓          | -         |
| <b>IERC20Metadata</b> | Interface      | IERC20     |            |           |
|                       | name           | External   |            | -         |
|                       | symbol         | External   |            | -         |
|                       | decimals       | External   |            | -         |
| <b>Context</b>        | Implementation |            |            |           |
|                       | _msgSender     | Internal   |            |           |
|                       | _msgData       | Internal   |            |           |
| <b>SafeMath</b>       | Library        |            |            |           |
|                       | add            | Internal   |            |           |
|                       | sub            | Internal   |            |           |
|                       | sub            | Internal   |            |           |
|                       | mul            | Internal   |            |           |
|                       | div            | Internal   |            |           |
|                       | div            | Internal   |            |           |
|                       | mod            | Internal   |            |           |
|                       | mod            | Internal   |            |           |
|                       |                |            |            |           |

| ERC20                | Implementation       | Context,<br>IERC20,<br>IERC20Met<br>adata |   |   |
|----------------------|----------------------|-------------------------------------------|---|---|
|                      | <Constructor>        | Public                                    | ✓ | - |
|                      | name                 | Public                                    |   | - |
|                      | symbol               | Public                                    |   | - |
|                      | decimals             | Public                                    |   | - |
|                      | totalSupply          | Public                                    |   | - |
|                      | balanceOf            | Public                                    |   | - |
|                      | transfer             | Public                                    | ✓ | - |
|                      | allowance            | Public                                    |   | - |
|                      | approve              | Public                                    | ✓ | - |
|                      | transferFrom         | Public                                    | ✓ | - |
|                      | increaseAllowance    | Public                                    | ✓ | - |
|                      | decreaseAllowance    | Public                                    | ✓ | - |
|                      | _transfer            | Internal                                  | ✓ |   |
|                      | _mint                | Internal                                  | ✓ |   |
|                      | _burn                | Internal                                  | ✓ |   |
|                      | _approve             | Internal                                  | ✓ |   |
|                      | _beforeTokenTransfer | Internal                                  | ✓ |   |
|                      |                      |                                           |   |   |
| <b>ERC20Burnable</b> | Implementation       | Context,<br>ERC20                         |   |   |
|                      | burn                 | Public                                    | ✓ | - |
|                      | burnFrom             | Public                                    | ✓ | - |
|                      |                      |                                           |   |   |
| <b>SafeMathUint</b>  | Library              |                                           |   |   |
|                      | toInt256Safe         | Internal                                  |   |   |
|                      |                      |                                           |   |   |
| <b>SafeMathInt</b>   | Library              |                                           |   |   |
|                      | mul                  | Internal                                  |   |   |
|                      | div                  | Internal                                  |   |   |
|                      | sub                  | Internal                                  |   |   |
|                      | add                  | Internal                                  |   |   |
|                      | abs                  | Internal                                  |   |   |
|                      | toUint256Safe        | Internal                                  |   |   |

|                                             |                         |                                                                                             |   |           |
|---------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|---|-----------|
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingTokenInterface</b>         | Interface               |                                                                                             |   |           |
|                                             | dividendOf              | External                                                                                    |   | -         |
|                                             | withdrawDividend        | External                                                                                    | ✓ | -         |
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingTokenOptionalInterface</b> | Interface               |                                                                                             |   |           |
|                                             | withdrawableDividendOf  | External                                                                                    |   | -         |
|                                             | withdrawnDividendOf     | External                                                                                    |   | -         |
|                                             | accumulativeDividendOf  | External                                                                                    |   | -         |
|                                             |                         |                                                                                             |   |           |
| <b>Ownable</b>                              | Implementation          | Context                                                                                     |   |           |
|                                             | <Constructor>           | Public                                                                                      | ✓ | -         |
|                                             | owner                   | Public                                                                                      |   | -         |
|                                             | renounceOwnership       | Public                                                                                      | ✓ | onlyOwner |
|                                             | transferOwnership       | Public                                                                                      | ✓ | onlyOwner |
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingToken</b>                  | Implementation          | ERC20,<br>Ownable,<br>DividendPayingTokenInterface,<br>DividendPayingTokenOptionalInterface |   |           |
|                                             | <Constructor>           | Public                                                                                      | ✓ | ERC20     |
|                                             | distributeCAKEDividends | Public                                                                                      | ✓ | onlyOwner |
|                                             | withdrawDividend        | Public                                                                                      | ✓ | -         |
|                                             | _withdrawDividendOfUser | Internal                                                                                    | ✓ |           |
|                                             | dividendOf              | Public                                                                                      |   | -         |
|                                             | withdrawableDividendOf  | Public                                                                                      |   | -         |
|                                             | withdrawnDividendOf     | Public                                                                                      |   | -         |
|                                             | accumulativeDividendOf  | Public                                                                                      |   | -         |
|                                             | _transfer               | Internal                                                                                    | ✓ |           |
|                                             | _mint                   | Internal                                                                                    | ✓ |           |

|                        |                      |          |   |   |
|------------------------|----------------------|----------|---|---|
|                        | _burn                | Internal | ✓ |   |
|                        | _setBalance          | Internal | ✓ |   |
|                        |                      |          |   |   |
| <b>IterableMapping</b> | Library              |          |   |   |
|                        | get                  | Public   |   | - |
|                        | getIndexOfKey        | Public   |   | - |
|                        | getKeyAtIndex        | Public   |   | - |
|                        | size                 | Public   |   | - |
|                        | set                  | Public   | ✓ | - |
|                        | remove               | Public   | ✓ | - |
|                        |                      |          |   |   |
| <b>IUniswapV2Pair</b>  | Interface            |          |   |   |
|                        | name                 | External |   | - |
|                        | symbol               | External |   | - |
|                        | decimals             | External |   | - |
|                        | totalSupply          | External |   | - |
|                        | balanceOf            | External |   | - |
|                        | allowance            | External |   | - |
|                        | approve              | External | ✓ | - |
|                        | transfer             | External | ✓ | - |
|                        | transferFrom         | External | ✓ | - |
|                        | DOMAIN_SEPARATOR     | External |   | - |
|                        | PERMIT_TYPEHASH      | External |   | - |
|                        | nonces               | External |   | - |
|                        | permit               | External | ✓ | - |
|                        | MINIMUM_LIQUIDITY    | External |   | - |
|                        | factory              | External |   | - |
|                        | token0               | External |   | - |
|                        | token1               | External |   | - |
|                        | getReserves          | External |   | - |
|                        | price0CumulativeLast | External |   | - |
|                        | price1CumulativeLast | External |   | - |
|                        | kLast                | External |   | - |
|                        | mint                 | External | ✓ | - |

|                           |                              |          |         |   |
|---------------------------|------------------------------|----------|---------|---|
|                           | burn                         | External | ✓       | - |
|                           | swap                         | External | ✓       | - |
|                           | skim                         | External | ✓       | - |
|                           | sync                         | External | ✓       | - |
|                           | initialize                   | External | ✓       | - |
|                           |                              |          |         |   |
| <b>IUniswapV2Factory</b>  | Interface                    |          |         |   |
|                           | feeTo                        | External |         | - |
|                           | feeToSetter                  | External |         | - |
|                           | getPair                      | External |         | - |
|                           | allPairs                     | External |         | - |
|                           | allPairsLength               | External |         | - |
|                           | createPair                   | External | ✓       | - |
|                           | setFeeTo                     | External | ✓       | - |
|                           | setFeeToSetter               | External | ✓       | - |
|                           |                              |          |         |   |
| <b>IUniswapV2Router01</b> | Interface                    |          |         |   |
|                           | factory                      | External |         | - |
|                           | WETH                         | External |         | - |
|                           | addLiquidity                 | External | ✓       | - |
|                           | addLiquidityETH              | External | Payable | - |
|                           | removeLiquidity              | External | ✓       | - |
|                           | removeLiquidityETH           | External | ✓       | - |
|                           | removeLiquidityWithPermit    | External | ✓       | - |
|                           | removeLiquidityETHWithPermit | External | ✓       | - |
|                           | swapExactTokensForTokens     | External | ✓       | - |
|                           | swapTokensForExactTokens     | External | ✓       | - |
|                           | swapExactETHForTokens        | External | Payable | - |
|                           | swapTokensForExactETH        | External | ✓       | - |
|                           | swapExactTokensForETH        | External | ✓       | - |
|                           | swapETHForExactTokens        | External | Payable | - |
|                           | quote                        | External |         | - |
|                           | getAmountOut                 | External |         | - |
|                           | getAmountIn                  | External |         | - |

|                           |                                                           |                               |         |           |
|---------------------------|-----------------------------------------------------------|-------------------------------|---------|-----------|
|                           | getAmountsOut                                             | External                      |         | -         |
|                           | getAmountsIn                                              | External                      |         | -         |
|                           |                                                           |                               |         |           |
| <b>IUniswapV2Router02</b> | Interface                                                 | IUniswapV2Router01            |         |           |
|                           | removeLiquidityETHSupportingFeeOnTransferTokens           | External                      | ✓       | -         |
|                           | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External                      | ✓       | -         |
|                           | swapExactTokensForTokensSupportingFeeOnTransferTokens     | External                      | ✓       | -         |
|                           | swapExactETHForTokensSupportingFeeOnTransferTokens        | External                      | Payable | -         |
|                           | swapExactTokensForETHSupportingFeeOnTransferTokens        | External                      | ✓       | -         |
|                           |                                                           |                               |         |           |
| <b>LASM</b>               | Implementation                                            | ERC20, ERC20Burnable, Ownable |         |           |
|                           | <Constructor>                                             | Public                        | ✓       | ERC20     |
|                           | <Receive Ether>                                           | External                      | Payable | -         |
|                           | burn                                                      | Public                        | ✓       | -         |
|                           | updateDividendTracker                                     | Public                        | ✓       | onlyOwner |
|                           | updateUniswapV2Router                                     | Public                        | ✓       | onlyOwner |
|                           | beneficiary                                               | Public                        |         | -         |
|                           | releaseTime                                               | Public                        |         | -         |
|                           | excludeFromFees                                           | Public                        | ✓       | onlyOwner |
|                           | excludeMultipleAccountsFromFees                           | Public                        | ✓       | onlyOwner |
|                           | setSwapTokensAtAmount                                     | External                      | ✓       | onlyOwner |
|                           | setGameDevWallet                                          | External                      | ✓       | onlyOwner |
|                           | setRewardsFee                                             | External                      | ✓       | onlyOwner |
|                           | setLiquiditFee                                            | External                      | ✓       | onlyOwner |
|                           | setGameDevFee                                             | External                      | ✓       | onlyOwner |
|                           | setAutomatedMarketMakerPair                               | Public                        | ✓       | onlyOwner |
|                           | blacklistAddress                                          | External                      | ✓       | onlyOwner |
|                           | _setAutomatedMarketMakerPair                              | Private                       | ✓       |           |
|                           | updateGasForProcessing                                    | Public                        | ✓       | onlyOwner |

|                             |                                 |                               |   |                      |
|-----------------------------|---------------------------------|-------------------------------|---|----------------------|
|                             | updateClaimWait                 | External                      | ✓ | onlyOwner            |
|                             | getClaimWait                    | External                      |   | -                    |
|                             | getTotalDividendsDistributed    | External                      |   | -                    |
|                             | isExcludedFromFees              | Public                        |   | -                    |
|                             | withdrawableDividendOf          | Public                        |   | -                    |
|                             | dividendTokenBalanceOf          | Public                        |   | -                    |
|                             | excludeFromDividends            | External                      | ✓ | onlyOwner            |
|                             | getAccountDividendsInfo         | External                      |   | -                    |
|                             | getAccountDividendsInfoAtIndex  | External                      |   | -                    |
|                             | processDividendTracker          | External                      | ✓ | -                    |
|                             | claim                           | External                      | ✓ | -                    |
|                             | getLastProcessedIndex           | External                      |   | -                    |
|                             | getNumberOfDividendTokenHolders | External                      |   | -                    |
|                             | _transfer                       | Internal                      | ✓ |                      |
|                             | sendToGameDevFee                | Private                       | ✓ |                      |
|                             | swapAndLiquify                  | Private                       | ✓ |                      |
|                             | swapTokensForEth                | Private                       | ✓ |                      |
|                             | addLiquidity                    | Private                       | ✓ |                      |
|                             | sendDividends                   | Private                       | ✓ |                      |
|                             | release                         | Public                        | ✓ | onlyOwner            |
|                             |                                 |                               |   |                      |
| <b>LasmDividend Tracker</b> | Implementation                  | Ownable, DividendPay ingToken |   |                      |
|                             | <Constructor>                   | Public                        | ✓ | DividendPayin gToken |
|                             | _transfer                       | Internal                      |   |                      |
|                             | withdrawDividend                | Public                        |   | -                    |
|                             | excludeFromDividends            | External                      | ✓ | onlyOwner            |
|                             | updateClaimWait                 | External                      | ✓ | onlyOwner            |
|                             | getLastProcessedIndex           | External                      |   | -                    |
|                             | getNumberOfTokenHolders         | External                      |   | -                    |
|                             | getAccount                      | Public                        |   | -                    |
|                             | getAccountAtIndex               | Public                        |   | -                    |
|                             | canAutoClaim                    | Private                       |   |                      |
|                             | setBalance                      | External                      | ✓ | onlyOwner            |

|  |                |        |   |           |
|--|----------------|--------|---|-----------|
|  | process        | Public | ✓ | -         |
|  | processAccount | Public | ✓ | onlyOwner |

# Contract Flow

## Domain Info

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Domain Name</b>            | lasmeta.io                                                                                                          |
| <b>Registry Domain ID</b>     | 4c52850cd4c84b64a1f77dd96092dc49-DONUTS                                                                             |
| <b>Creation Date</b>          | 2021-11-28T19:04:22Z                                                                                                |
| <b>Updated Date</b>           | 2021-12-15T11:55:12Z                                                                                                |
| <b>Registry Expiry Date</b>   | 2022-11-28T19:04:22Z                                                                                                |
| <b>Registrar WHOIS Server</b> | whois.godaddy.com/                                                                                                  |
| <b>Registrar URL</b>          | <a href="http://www.godaddy.com/domains/search.aspx?ci=8990">http://www.godaddy.com/domains/search.aspx?ci=8990</a> |
| <b>Registrar</b>              | GoDaddy.com, LLC                                                                                                    |
| <b>Registrar IANA ID</b>      | 146                                                                                                                 |

The domain has been created 3 months before the creation of the audit. It will expire in 10 months.

There is no public billing information, the creator is protected by the privacy settings.

## Summary

There are some functions that can be abused by the owner, like manipulating fees and blacklisting contracts. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

# Disclaimer

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment.

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## About Coinscope

CoinScope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

CoinScope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>



# Audit Report

## **LasMeta**

February 2022

|            |                                            |
|------------|--------------------------------------------|
| Type       | ERC20                                      |
| Network    | ETH                                        |
| Address    | 0xf150ec99e2f53672fd2fcd12b47797024f4a1902 |
| Audited by | © coinscope                                |

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## Contract Review

|                         |                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contract Name</b>    | LASM                                                                                                                                                          |
| <b>Compiler Version</b> | v0.8.7+commit.e28d00a7                                                                                                                                        |
| <b>Optimization</b>     | 200 runs                                                                                                                                                      |
| <b>Licence</b>          | None                                                                                                                                                          |
| <b>Explorer</b>         | <a href="https://etherscan.io/address/0xf150ec99e2f53672fd2fcd12b47797024f4a1902">https://etherscan.io/address/0xf150ec99e2f53672fd2fcd12b47797024f4a1902</a> |
| <b>Symbol</b>           | LASM                                                                                                                                                          |
| <b>Decimals</b>         | 18                                                                                                                                                            |
| <b>Total Supply</b>     | 800,000,000                                                                                                                                                   |
| <b>Domain</b>           | lasmeta.io                                                                                                                                                    |

## Source Files

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| <b>Filename</b>     | <b>SHA256</b>                                                    |
| <b>contract.sol</b> | cf33f7d20ca8879dfec7b8e56cdf9bd107478704e106ca010cb1f0b6c58d35e6 |

## Audit Updates

|                      |                    |
|----------------------|--------------------|
| <b>Initial Audit</b> | 13th February 2022 |
| <b>Corrected</b>     | 5th May 2022       |

# Contract Analysis

● Critical
 ● Medium
 ● Minor
 ● Pass

| Severity                            | Code | Description                                                                                                       |
|-------------------------------------|------|-------------------------------------------------------------------------------------------------------------------|
| <span style="color: blue;">●</span> | ST   | Contract Owner is not able to stop or pause transactions                                                          |
| <span style="color: blue;">●</span> | OCTD | Contract Owner is not able to transfer tokens from specific address                                               |
| <span style="color: blue;">●</span> | OTUT | Owner Transfer User's Tokens                                                                                      |
| <span style="color: red;">●</span>  | ELFM | Contract Owner is not able to increase fees more than a reasonable percent (25%)                                  |
| <span style="color: blue;">●</span> | ULTW | Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent |
| <span style="color: blue;">●</span> | MT   | Contract Owner is not able to mint new tokens                                                                     |
| <span style="color: blue;">●</span> | BT   | Contract Owner is not able to burn tokens from specific wallet                                                    |
| <span style="color: gold;">●</span> | BC   | Contract Owner is not able to blacklist wallets from selling                                                      |

## ELFM - Exceed Limit Fees Manipulation

|                    |                              |
|--------------------|------------------------------|
| <b>Criticality</b> | critical                     |
| <b>Location</b>    | contract.sol#L1477,1488,1499 |

### Description

The contract owner has the authority to increase over the allowed limit of 25%. The owner may take advantage of it by calling the `setTeamDevFee` function with a high percentage value.

```
function setTeamDevFee(uint256 value) external onlyOwner{
    require(value < 100, "Invalid percentage");
    teamFee = value;
    totalFees = rewardsFee.add(liquidityFee).add(teamFee);

    emit SetTeamDevFee(value);
}
```

### Recommendation

The contract could embody a check for the maximum acceptable value.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

## BC - Blacklisted Contracts

|                    |                    |
|--------------------|--------------------|
| <b>Criticality</b> | medium             |
| <b>Location</b>    | contract.sol#L1519 |

### Description

The contract owner has the authority to stop contracts from transactions. The owner may take advantage of it by calling the `blacklistAddress` function.

```
require(!_isBlacklisted[from] && !_isBlacklisted[to], 'Blacklisted address');
```

### Recommendation

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

# Contract Diagnostics

● Critical    ● Medium    ● Minor

| Severity | Code | Description                                |
|----------|------|--------------------------------------------|
| ●        | L01  | Public Function could be Declared External |
| ●        | L02  | State Variables could be Declared Constant |
| ●        | L04  | Conformance to Solidity Naming Conventions |
| ●        | L05  | Unused State Variable                      |
| ●        | L09  | Dead Code Elimination                      |
| ●        | L12  | Using Variables before Declaration         |
| ●        | L14  | Uninitialized Variables in Local Scope     |
| ●        | L15  | Local Scope Variable Shadowing             |

## L01 - Public Function could be Declared External

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                               |
| <b>Location</b>    | contract.sol#L345,362,388,407,425,447,466,597,612,789,798,833,848,876,890,962,966,973,979,2174,2218 |

### Description

Public functions that are never called by the contract should be declared external to save gas.

```
process
getAccountAtIndex
size
getKeyAtIndex
getIndexOfKey
get
withdrawnDividendOf
dividendOf
withdrawDividend
...
```

### Recommendation

Use the external attribute for functions never called from the contract.

## L02 - State Variables could be Declared Constant

**Criticality**

minor

**Location**

contract.sol#L1249

### Description

Constant state variables should be declared constant to save gas.

```
manager
```

### Recommendation

Add the constant attribute to state variables that never change.

## L04 - Conformance to Solidity Naming Conventions

|                    |                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Criticality</b> | minor                                                                                                                           |
| <b>Location</b>    | contract.sol#L876,883,890,900,815,820,1029,1030,1047,1084,1564,1753,1230,1234,1246,1254,1255,1256,1257,1258,1259,1260,1842,2129 |

### Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
_account  
_delegates  
airdrop  
stakingRewards  
development  
marketing  
partners  
team  
locked  
...
```

### Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

## L05 - Unused State Variable

|                    |                   |
|--------------------|-------------------|
| <b>Criticality</b> | minor             |
| <b>Location</b>    | contract.sol#L641 |

### Description

There are segments that contain unused state variables.

```
MAX_INT256
```

### Recommendation

Remove unused state variables.

## L09 - Dead Code Elimination

**Criticality**

minor

**Location**

contract.sol#L910,687

### Description

Functions that are not used in the contract, and make the code's size bigger.

```
abs  
_transfer
```

### Recommendation

Remove unused functions.

## L12 - Using Variables before Declaration

**Criticality**

minor

**Location**

contract.sol#L1733

### Description

The contract is using a variable before the declaration. This is usually happening either if it has not been declared yet or the variable has been declared in a different scope.

```
claims  
lastProcessedIndex  
iterations
```

### Recommendation

The variables should be declared before any usage of them.

## L14 - Uninitialized Variables in Local Scope

**Criticality**

minor

**Location**

contract.sol#L1733

### Description

There are variables that are defined in the local scope and are not initialized.

```
lastProcessedIndex  
iterations  
claims
```

### Recommendation

All the local scoped variables should be initialized.

## L15 - Local Scope Variable Shadowing

**Criticality**

minor

**Location**

contract.sol#L829,876,883,890,900

### Description

There are variables that are defined in the local scope containing the same name from an upper scope.

```
_owner  
_symbol  
_name
```

### Recommendation

The local variables should have different names from the upper scoped variables.

# Contract Functions

| Contract              | Type           | Bases      |            |           |
|-----------------------|----------------|------------|------------|-----------|
|                       | Function Name  | Visibility | Mutability | Modifiers |
| <b>IERC20</b>         | Interface      |            |            |           |
|                       | totalSupply    | External   |            | -         |
|                       | balanceOf      | External   |            | -         |
|                       | transfer       | External   | ✓          | -         |
|                       | allowance      | External   |            | -         |
|                       | approve        | External   | ✓          | -         |
|                       | transferFrom   | External   | ✓          | -         |
| <b>IERC20Metadata</b> | Interface      | IERC20     |            |           |
|                       | name           | External   |            | -         |
|                       | symbol         | External   |            | -         |
|                       | decimals       | External   |            | -         |
| <b>Context</b>        | Implementation |            |            |           |
|                       | _msgSender     | Internal   |            |           |
|                       | _msgData       | Internal   |            |           |
| <b>SafeMath</b>       | Library        |            |            |           |
|                       | add            | Internal   |            |           |
|                       | sub            | Internal   |            |           |
|                       | sub            | Internal   |            |           |
|                       | mul            | Internal   |            |           |
|                       | div            | Internal   |            |           |
|                       | div            | Internal   |            |           |
|                       | mod            | Internal   |            |           |
|                       | mod            | Internal   |            |           |
|                       |                |            |            |           |

|                      |                      |                                           |   |   |
|----------------------|----------------------|-------------------------------------------|---|---|
| <b>ERC20</b>         | Implementation       | Context,<br>IERC20,<br>IERC20Meta<br>data |   |   |
|                      | <Constructor>        | Public                                    | ✓ | - |
|                      | name                 | Public                                    |   | - |
|                      | symbol               | Public                                    |   | - |
|                      | decimals             | Public                                    |   | - |
|                      | totalSupply          | Public                                    |   | - |
|                      | balanceOf            | Public                                    |   | - |
|                      | transfer             | Public                                    | ✓ | - |
|                      | allowance            | Public                                    |   | - |
|                      | approve              | Public                                    | ✓ | - |
|                      | transferFrom         | Public                                    | ✓ | - |
|                      | increaseAllowance    | Public                                    | ✓ | - |
|                      | decreaseAllowance    | Public                                    | ✓ | - |
|                      | _transfer            | Internal                                  | ✓ |   |
|                      | _mint                | Internal                                  | ✓ |   |
|                      | _burn                | Internal                                  | ✓ |   |
|                      | _approve             | Internal                                  | ✓ |   |
|                      | _beforeTokenTransfer | Internal                                  | ✓ |   |
|                      |                      |                                           |   |   |
| <b>ERC20Burnable</b> | Implementation       | Context,<br>ERC20                         |   |   |
|                      | burn                 | Public                                    | ✓ | - |
|                      | burnFrom             | Public                                    | ✓ | - |
|                      |                      |                                           |   |   |
| <b>SafeMathUint</b>  | Library              |                                           |   |   |
|                      | toInt256Safe         | Internal                                  |   |   |
|                      |                      |                                           |   |   |
| <b>SafeMathInt</b>   | Library              |                                           |   |   |
|                      | mul                  | Internal                                  |   |   |
|                      | div                  | Internal                                  |   |   |
|                      | sub                  | Internal                                  |   |   |
|                      | add                  | Internal                                  |   |   |
|                      | abs                  | Internal                                  |   |   |
|                      | toUint256Safe        | Internal                                  |   |   |

|                                             |                         |                                                                                             |   |           |
|---------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|---|-----------|
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingTokenInterface</b>         | Interface               |                                                                                             |   |           |
|                                             | dividendOf              | External                                                                                    |   | -         |
|                                             | withdrawDividend        | External                                                                                    | ✓ | -         |
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingTokenOptionalInterface</b> | Interface               |                                                                                             |   |           |
|                                             | withdrawableDividendOf  | External                                                                                    |   | -         |
|                                             | withdrawnDividendOf     | External                                                                                    |   | -         |
|                                             | accumulativeDividendOf  | External                                                                                    |   | -         |
|                                             |                         |                                                                                             |   |           |
| <b>Ownable</b>                              | Implementation          | Context                                                                                     |   |           |
|                                             | <Constructor>           | Public                                                                                      | ✓ | -         |
|                                             | owner                   | Public                                                                                      |   | -         |
|                                             | renounceOwnership       | Public                                                                                      | ✓ | onlyOwner |
|                                             | transferOwnership       | Public                                                                                      | ✓ | onlyOwner |
|                                             |                         |                                                                                             |   |           |
| <b>DividendPayingToken</b>                  | Implementation          | ERC20,<br>Ownable,<br>DividendPayingTokenInterface,<br>DividendPayingTokenOptionalInterface |   |           |
|                                             | <Constructor>           | Public                                                                                      | ✓ | ERC20     |
|                                             | distributeCAKEDividends | Public                                                                                      | ✓ | onlyOwner |
|                                             | withdrawDividend        | Public                                                                                      | ✓ | -         |
|                                             | _withdrawDividendOfUser | Internal                                                                                    | ✓ |           |
|                                             | dividendOf              | Public                                                                                      |   | -         |
|                                             | withdrawableDividendOf  | Public                                                                                      |   | -         |
|                                             | withdrawnDividendOf     | Public                                                                                      |   | -         |
|                                             | accumulativeDividendOf  | Public                                                                                      |   | -         |
|                                             | _transfer               | Internal                                                                                    | ✓ |           |
|                                             | _mint                   | Internal                                                                                    | ✓ |           |

|                        |                      |          |   |   |
|------------------------|----------------------|----------|---|---|
|                        | _burn                | Internal | ✓ |   |
|                        | _setBalance          | Internal | ✓ |   |
|                        |                      |          |   |   |
| <b>IterableMapping</b> | Library              |          |   |   |
|                        | get                  | Public   |   | - |
|                        | getIndexOfKey        | Public   |   | - |
|                        | getKeyAtIndex        | Public   |   | - |
|                        | size                 | Public   |   | - |
|                        | set                  | Public   | ✓ | - |
|                        | remove               | Public   | ✓ | - |
|                        |                      |          |   |   |
| <b>IUniswapV2Pair</b>  | Interface            |          |   |   |
|                        | name                 | External |   | - |
|                        | symbol               | External |   | - |
|                        | decimals             | External |   | - |
|                        | totalSupply          | External |   | - |
|                        | balanceOf            | External |   | - |
|                        | allowance            | External |   | - |
|                        | approve              | External | ✓ | - |
|                        | transfer             | External | ✓ | - |
|                        | transferFrom         | External | ✓ | - |
|                        | DOMAIN_SEPARATOR     | External |   | - |
|                        | PERMIT_TYPEHASH      | External |   | - |
|                        | nonces               | External |   | - |
|                        | permit               | External | ✓ | - |
|                        | MINIMUM_LIQUIDITY    | External |   | - |
|                        | factory              | External |   | - |
|                        | token0               | External |   | - |
|                        | token1               | External |   | - |
|                        | getReserves          | External |   | - |
|                        | price0CumulativeLast | External |   | - |
|                        | price1CumulativeLast | External |   | - |
|                        | kLast                | External |   | - |
|                        | mint                 | External | ✓ | - |

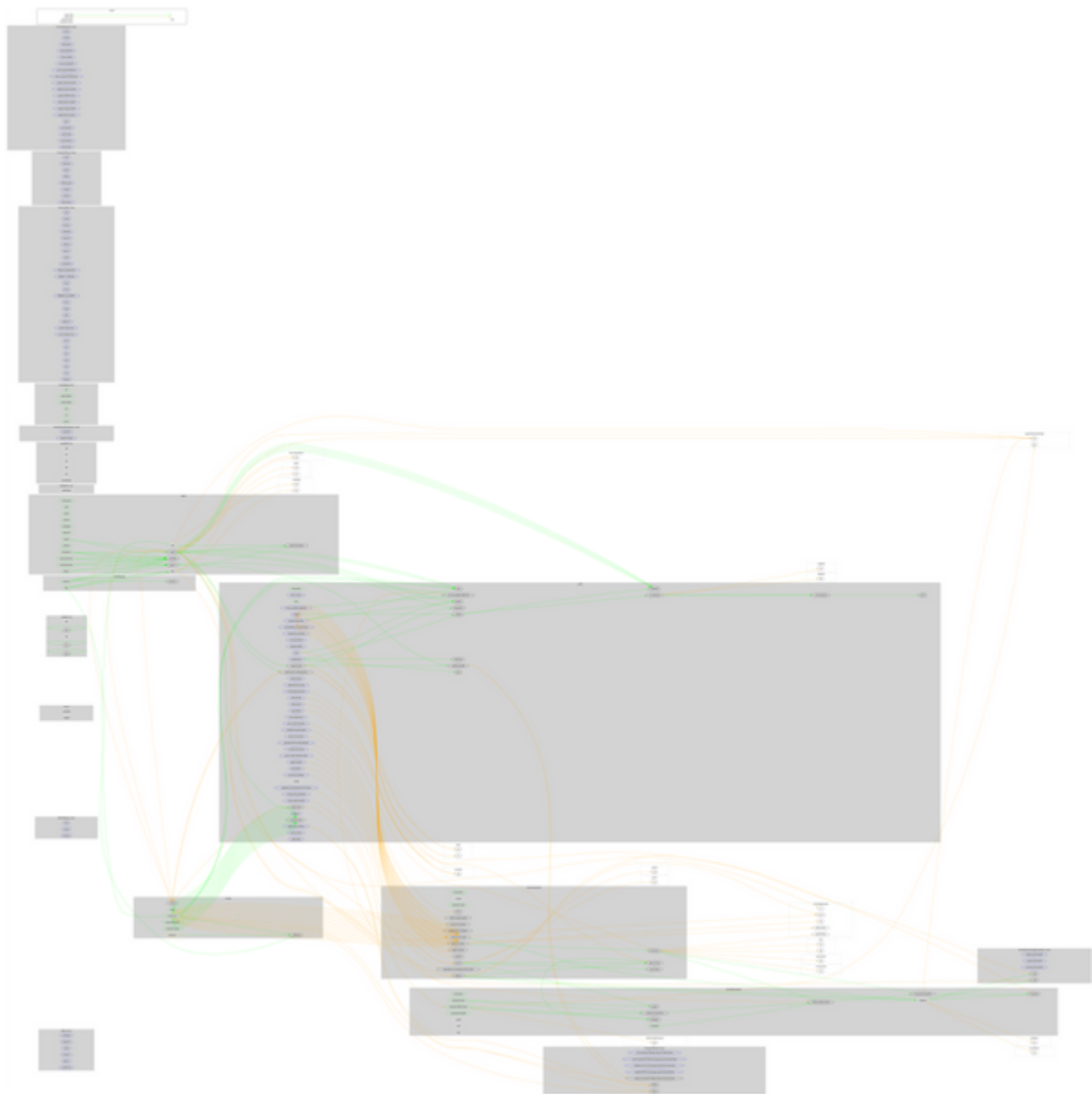
|                           |                              |          |         |   |
|---------------------------|------------------------------|----------|---------|---|
|                           | burn                         | External | ✓       | - |
|                           | swap                         | External | ✓       | - |
|                           | skim                         | External | ✓       | - |
|                           | sync                         | External | ✓       | - |
|                           | initialize                   | External | ✓       | - |
|                           |                              |          |         |   |
| <b>IUniswapV2Factory</b>  | Interface                    |          |         |   |
|                           | feeTo                        | External |         | - |
|                           | feeToSetter                  | External |         | - |
|                           | getPair                      | External |         | - |
|                           | allPairs                     | External |         | - |
|                           | allPairsLength               | External |         | - |
|                           | createPair                   | External | ✓       | - |
|                           | setFeeTo                     | External | ✓       | - |
|                           | setFeeToSetter               | External | ✓       | - |
|                           |                              |          |         |   |
| <b>IUniswapV2Router01</b> | Interface                    |          |         |   |
|                           | factory                      | External |         | - |
|                           | WETH                         | External |         | - |
|                           | addLiquidity                 | External | ✓       | - |
|                           | addLiquidityETH              | External | Payable | - |
|                           | removeLiquidity              | External | ✓       | - |
|                           | removeLiquidityETH           | External | ✓       | - |
|                           | removeLiquidityWithPermit    | External | ✓       | - |
|                           | removeLiquidityETHWithPermit | External | ✓       | - |
|                           | swapExactTokensForTokens     | External | ✓       | - |
|                           | swapTokensForExactTokens     | External | ✓       | - |
|                           | swapExactETHForTokens        | External | Payable | - |
|                           | swapTokensForExactETH        | External | ✓       | - |
|                           | swapExactTokensForETH        | External | ✓       | - |
|                           | swapETHForExactTokens        | External | Payable | - |
|                           | quote                        | External |         | - |
|                           | getAmountOut                 | External |         | - |
|                           | getAmountIn                  | External |         | - |

|                           |                                                           |                               |         |           |
|---------------------------|-----------------------------------------------------------|-------------------------------|---------|-----------|
|                           | getAmountsOut                                             | External                      |         | -         |
|                           | getAmountsIn                                              | External                      |         | -         |
|                           |                                                           |                               |         |           |
| <b>IUniswapV2Router02</b> | Interface                                                 | IUniswapV2Router01            |         |           |
|                           | removeLiquidityETHSupportingFeeOnTransferTokens           | External                      | ✓       | -         |
|                           | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External                      | ✓       | -         |
|                           | swapExactTokensForTokensSupportingFeeOnTransferTokens     | External                      | ✓       | -         |
|                           | swapExactETHForTokensSupportingFeeOnTransferTokens        | External                      | Payable | -         |
|                           | swapExactTokensForETHSupportingFeeOnTransferTokens        | External                      | ✓       | -         |
|                           |                                                           |                               |         |           |
| <b>LASM</b>               | Implementation                                            | ERC20, ERC20Burnable, Ownable |         |           |
|                           | <Constructor>                                             | Public                        | ✓       | ERC20     |
|                           | <Receive Ether>                                           | External                      | Payable | -         |
|                           | burn                                                      | Public                        | ✓       | -         |
|                           | updateDividendTracker                                     | External                      | ✓       | onlyOwner |
|                           | updateUniswapV2Router                                     | External                      | ✓       | onlyOwner |
|                           | excludeFromFees                                           | Public                        | ✓       | onlyOwner |
|                           | excludeMultipleAccountsFromFees                           | External                      | ✓       | onlyOwner |
|                           | setSwapTokensAtAmount                                     | External                      | ✓       | onlyOwner |
|                           | setTeamDevWallet                                          | External                      | ✓       | onlyOwner |
|                           | setBuyBackWallet                                          | External                      | ✓       | onlyOwner |
|                           | setRewardsFee                                             | External                      | ✓       | onlyOwner |
|                           | setLiquiditFee                                            | External                      | ✓       | onlyOwner |
|                           | setTeamDevFee                                             | External                      | ✓       | onlyOwner |
|                           | setAutomatedMarketMakerPair                               | External                      | ✓       | onlyOwner |
|                           | blacklistAddress                                          | External                      | ✓       | onlyOwner |
|                           | _setAutomatedMarketMakerPair                              | Private                       | ✓       |           |
|                           | updateGasForProcessing                                    | External                      | ✓       | onlyOwner |
|                           | updateClaimWait                                           | External                      | ✓       | onlyOwner |

|                             |                                       |                              |   |                     |
|-----------------------------|---------------------------------------|------------------------------|---|---------------------|
|                             | getClaimWait                          | External                     |   | -                   |
|                             | updateMinimumTokenBalanceForDividends | External                     | ✓ | onlyOwner           |
|                             | getTotalDividendsDistributed          | External                     |   | -                   |
|                             | isExcludedFromFees                    | External                     |   | -                   |
|                             | withdrawableDividendOf                | External                     |   | -                   |
|                             | dividendTokenBalanceOf                | External                     |   | -                   |
|                             | excludeFromDividends                  | External                     | ✓ | onlyOwner           |
|                             | getAccountDividendsInfo               | External                     |   | -                   |
|                             | getAccountDividendsInfoAtIndex        | External                     |   | -                   |
|                             | processDividendTracker                | External                     | ✓ | -                   |
|                             | claim                                 | External                     | ✓ | -                   |
|                             | getLastProcessedIndex                 | External                     |   | -                   |
|                             | getNumberOfDividendTokenHolders       | External                     |   | -                   |
|                             | _transfer                             | Internal                     | ✓ |                     |
|                             | sendToTeamDevAndBuyBackFee            | Private                      | ✓ |                     |
|                             | setSwapAndLiquifyEnabled              | External                     | ✓ | onlyOwner           |
|                             | swapAndLiquify                        | Private                      | ✓ |                     |
|                             | swapTokensForEth                      | Private                      | ✓ |                     |
|                             | addLiquidity                          | Private                      | ✓ |                     |
|                             | sendDividends                         | Private                      | ✓ |                     |
|                             | delegates                             | External                     |   | -                   |
|                             | delegate                              | External                     | ✓ | -                   |
|                             | delegateBySig                         | External                     | ✓ | -                   |
|                             | getCurrentVotes                       | External                     |   | -                   |
|                             | getPriorVotes                         | External                     |   | -                   |
|                             | _delegate                             | Internal                     | ✓ |                     |
|                             | _moveDelegates                        | Internal                     | ✓ |                     |
|                             | _writeCheckpoint                      | Internal                     | ✓ |                     |
|                             | safe32                                | Internal                     |   |                     |
|                             | getChainId                            | Internal                     |   |                     |
|                             |                                       |                              |   |                     |
| <b>LasmDividend Tracker</b> | Implementation                        | Ownable, DividendPayingToken |   |                     |
|                             | <Constructor>                         | Public                       | ✓ | DividendPayingToken |

|  |                                       |          |   |           |
|--|---------------------------------------|----------|---|-----------|
|  | _transfer                             | Internal |   |           |
|  | withdrawDividend                      | Public   |   | -         |
|  | excludeFromDividends                  | External | ✓ | onlyOwner |
|  | updateClaimWait                       | External | ✓ | onlyOwner |
|  | updateMinimumTokenBalanceForDividends | External | ✓ | onlyOwner |
|  | getLastProcessedIndex                 | External |   | -         |
|  | getNumberOfTokenHolders               | External |   | -         |
|  | getAccount                            | Public   |   | -         |
|  | getAccountAtIndex                     | Public   |   | -         |
|  | canAutoClaim                          | Private  |   |           |
|  | setBalance                            | External | ✓ | onlyOwner |
|  | process                               | Public   | ✓ | -         |
|  | processAccount                        | Public   | ✓ | onlyOwner |

# Contract Flow



## Domain Info

|                               |                                                                                                                     |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Domain Name</b>            | lasmeta.io                                                                                                          |
| <b>Registry Domain ID</b>     | 4c52850cd4c84b64a1f77dd96092dc49-DONUTS                                                                             |
| <b>Creation Date</b>          | 2021-11-28T19:04:22Z                                                                                                |
| <b>Updated Date</b>           | 2021-12-15T11:55:12Z                                                                                                |
| <b>Registry Expiry Date</b>   | 2022-11-28T19:04:22Z                                                                                                |
| <b>Registrar WHOIS Server</b> | whois.godaddy.com/                                                                                                  |
| <b>Registrar URL</b>          | <a href="http://www.godaddy.com/domains/search.aspx?ci=8990">http://www.godaddy.com/domains/search.aspx?ci=8990</a> |
| <b>Registrar</b>              | GoDaddy.com, LLC                                                                                                    |
| <b>Registrar IANA ID</b>      | 146                                                                                                                 |

The domain has been created 3 months before the creation of the audit. It will expire in 10 months.

There is no public billing information, the creator is protected by the privacy settings.

## Summary

There are some functions that can be abused by the owner like manipulating fees and blacklisting addresses. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

# Disclaimer

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Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Coinscope is aiming to make crypto discoverable and efficient globally. It provides all the essential tools to assist users draw their own conclusions.



The Coinscope.co team

<https://www.coinscope.co>