



FEG - Audit Report

S U M M A R Y



FEG created a platform where fees charged from transactions are shared among token holders. Fee sharing is instant, increasing the balance of all token holders with each transaction.

FEG is deployed at

0xacfc95585d80ab62f67a14c566c1b7a49fe91167 on the Binance Smart Chain, and 0x389999216860ab8e0175387a0c90e5c52522c945 on the Ethereum Mainnet.

Notes on the contract:

- *FEG is a fork of Reflect Finance (RFI). The key notable*

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- *No mint or burn functions exist, though the circulating supply can be decreased by sending tokens to 0x...dead.*
- *57% of the total supply has been send to 0xdead on Ethereum, and 54% on BSC.*
- *1% of the supply on Ethereum and 0.75% of the supply on BSC are in liquidity pools.*
- *97% of Ethereum liquidity is locked and about half of BSC liquidity is locked.*
- *3 wallets hold slightly more than the LP pool on Ethereum, and 6 wallets on BSC. These wallets are not controlled by the team.*

- *100% of the fee charged on token transfers is redistributed to existing token holders instantly and automatically at the time of each transaction.*
- *The owner can exclude any address from the fee mechanism.*
- *The doubling of the standard fee performs a multiplication on the result of a division. While this can lead to slightly less accurate results, the large supply of the token makes this impact negligible at most.*
- *Some gas optimizations can be achieved through declaring functions external instead of public and some variables constant. As this contract is already deployed, this is merely informational.*
- *Utilization of SafeMath to prevent overflows.*

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- *No external threats were identified.*
- *Date: April 3rd, 2021*

A U D I T R E S U L T S

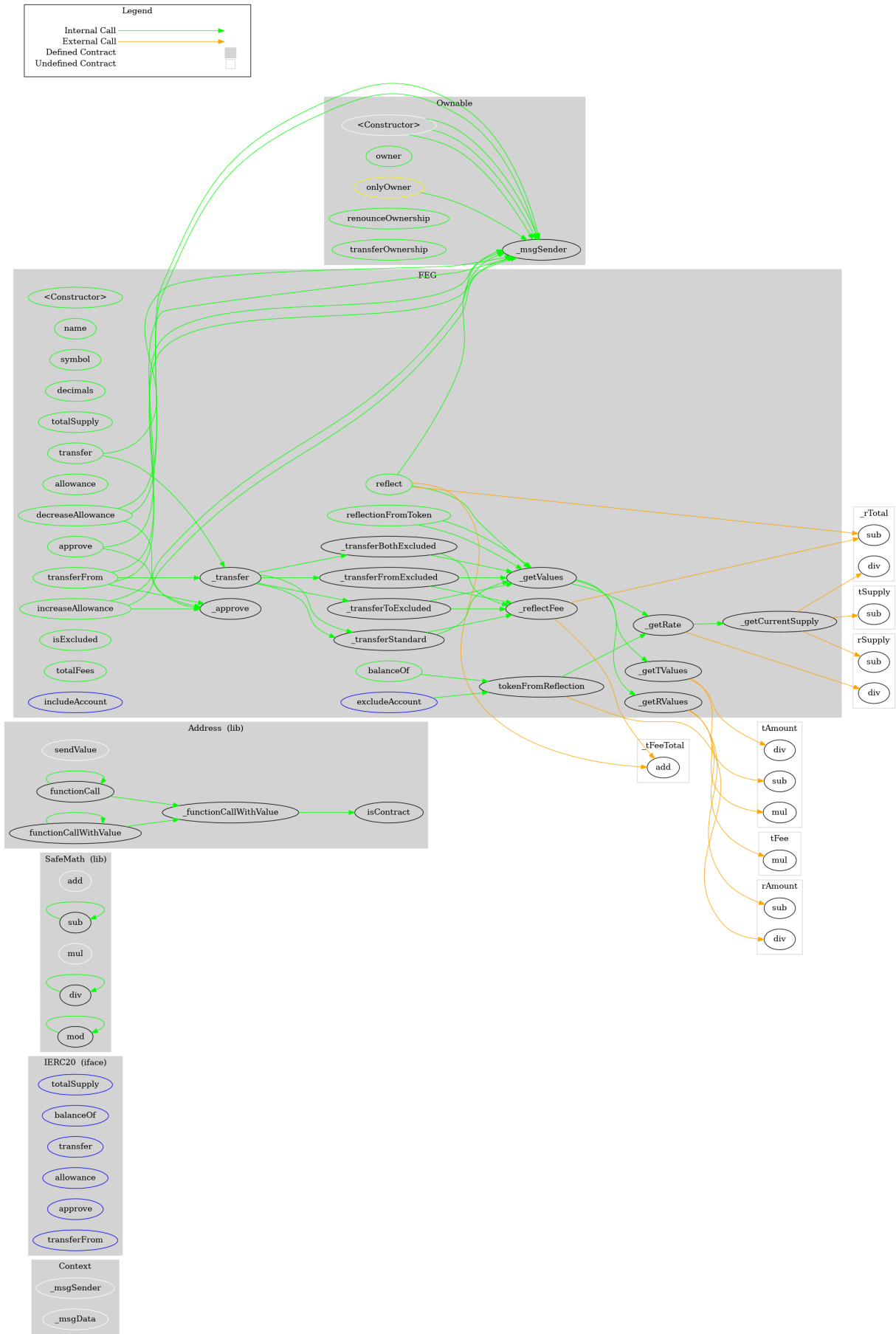
Vulnerability Category	Notes	Result
Arbitrary Storage Write	N/A	PASS
Arbitrary Jump	N/A	PASS
Delegate Call to Untrusted Contract	N/A	PASS
Dependence on Predictable Variables	N/A	PASS
Deprecated Opcodes	N/A	PASS
Ether Thief	N/A	PASS
Exceptions	N/A	PASS
External Calls	N/A	PASS
Flash Loans	N/A	PASS

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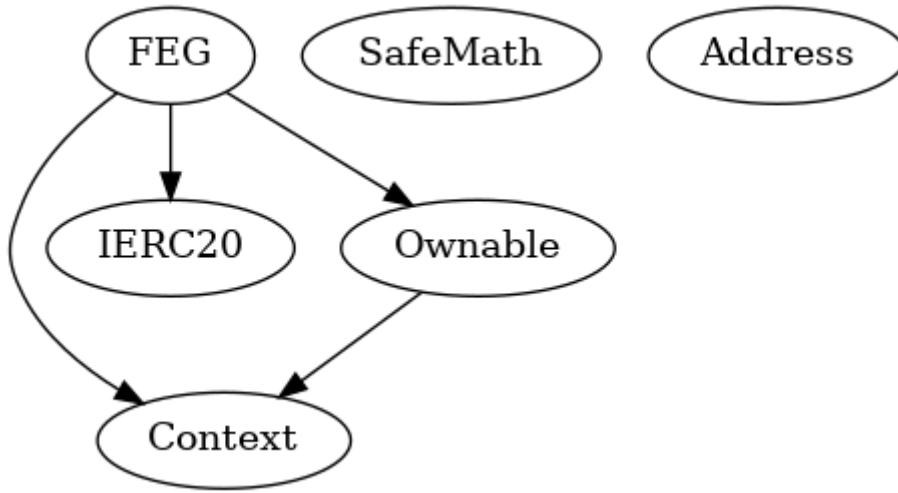
Vulnerability Category	Notes	Result
Multiple Sends	N/A	PASS
Oracles	N/A	PASS
Suicide	N/A	PASS
State Change External Calls	N/A	Pass
Unchecked Retval	N/A	PASS
User Supplied Assertion	N/A	PASS
Critical Solidity Compiler	N/A	PASS
Overall Contract Safety		PASS

F U N C T I O N G R A P H

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FUNCTIONS OVERVIEW

(\$) = payable function
 # = non-constant function

Int = Internal

Ext = External

Pub = Public

```

+ Context
  - [Int] _msgSender
  - [Int] _msgData

+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] ...
  
```

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```
+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div
  - [Int] mod
  - [Int] mod

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ Ownable (Context)
  - [Int] #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner

+ FEG (Context, IERC20, Ownable)
  - [Pub] #
  - [Pub] name
  - [Pub] symbol
```

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```
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] isExcluded
- [Pub] totalFees
- [Pub] reflect #
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Ext] excludeAccount #
  - modifiers: onlyOwner
- [Ext] includeAccount #
  - modifiers: onlyOwner
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] _transferStandard #
- [Prv] _transferToExcluded #
- [Prv] _transferFromExcluded #
- [Prv] _transferBothExcluded #
- [Prv] _reflectFee #
- [Prv] _getValues
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
```

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G O H O M E

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