Cyberscope

Audit Report

Liquid Farming

August 2024

Network BSC

Address 0xbA576f5ecbA5182a20f010089107dFb00502241f

Audited by © cyberscope

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Risk Classification

The criticality of findings in Cyberscope's smart contract audits is determined by evaluating multiple variables. The two primary variables are:

1. **Likelihood of Exploitation**: This considers how easily an attack can be executed, including the economic feasibility for an attacker.
2. **Impact of Exploitation**: This assesses the potential consequences of an attack, particularly in terms of the loss of funds or disruption to the contract's functionality.

Based on these variables, findings are categorized into the following severity levels:

1. **Critical**: Indicates a vulnerability that is both highly likely to be exploited and can result in significant fund loss or severe disruption. Immediate action is required to address these issues.
2. **Medium**: Refers to vulnerabilities that are either less likely to be exploited or would have a moderate impact if exploited. These issues should be addressed in due course to ensure overall contract security.
3. **Minor**: Involves vulnerabilities that are unlikely to be exploited and would have a minor impact. These findings should still be considered for resolution to maintain best practices in security.
4. **Informative**: Points out potential improvements or informational notes that do not pose an immediate risk. Addressing these can enhance the overall quality and robustness of the contract.

Severity	Likelihood / Impact of Exploitation
Critical	Highly Likely / High Impact
Medium	Less Likely / High Impact or Highly Likely/ Lower Impact
Minor / Informative	Unlikely / Low to no Impact

Review

Explorer	https://bscscan.com/address/0xba576f5ecba5182a20f010089107dfb00502241f

Audit Updates

Initial Audit	16 Aug 2024

Source Files

Filename	SHA256
LiquidFarming.sol	aa7013550cece96f97f2b25700cd5f93c64e7532860b902ed3d31caf47d72e66

Findings Breakdown

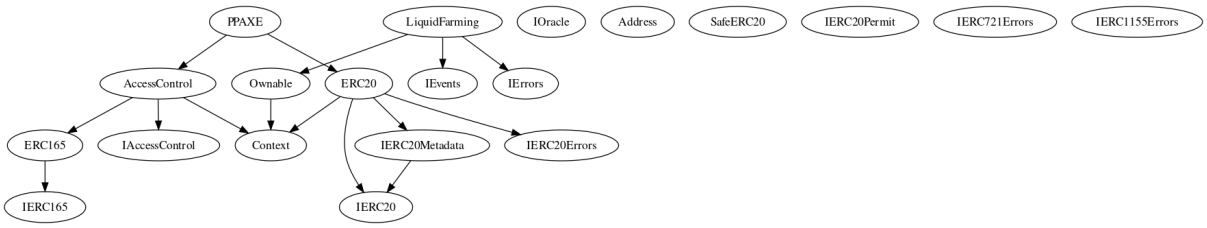
Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	0	0	0
Medium	0	0	0	0
Minor / Informative	0	0	0	0

Functions Analysis

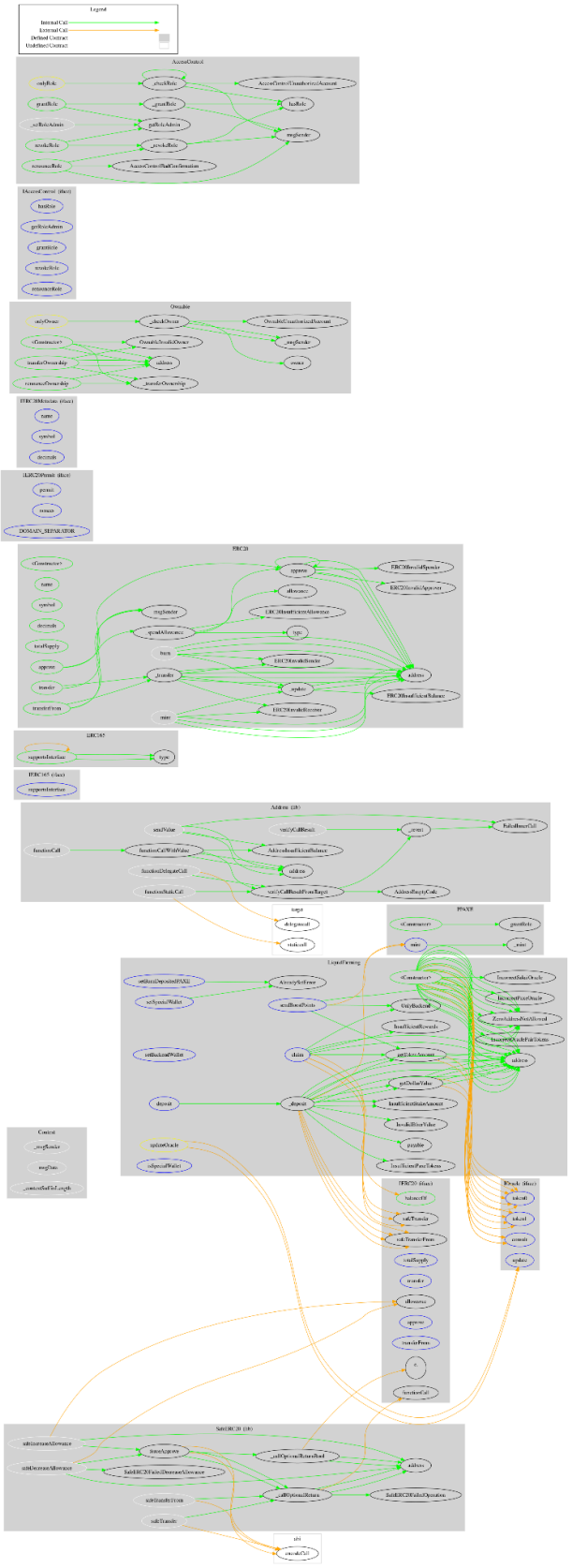
Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
IOracle	Interface			
	token0	External		-
	token1	External		-
	update	External	✓	-
	consult	External		-
PPAXE	Implementation	ERC20, AccessControl		
		Public	✓	ERC20
	mint	External	✓	onlyRole
LiquidFarming	Implementation	Ownable, IErrors, IEvents		
		Public	✓	Ownable
	setBurnDepositedPAXE	External	✓	onlyOwner
	setSignatureSigner	External	✓	onlyOwner
	deposit	External	Payable	-
	claim	External	✓	updateOracle
	_deposit	Internal	✓	updateOracle
	sendBoostPoints	External	✓	updateOracle
	getDollarValue	Internal		

	setSpecialReferrer	External	✓	onlyOwner
	isSpecialReferrer	External		-
	getTokenAmount	Internal		

Inheritance Graph



Flow Graph



Summary

The Smart Contract analysis reported no compiler error or critical issues. This audit investigates security issues, business logic concerns and potential improvements.

Disclaimer

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Blockchain technology and cryptographic assets present a high level of ongoing risk Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

About Cyberscope

Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

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