

TechRate
April, 2022



SMART CONTRACTS SECURITY AUDIT REPORT



Techrate_audits



Techrate



Techrate1

Audit Details



Audited project

SmartGlobal



Deployer address

TU4HxgwCZ6CSSkkDx8XscXVb5fj2uhq86m



Client contacts:

SmartGlobal team



Blockchain

TRON



Project website:

<https://www.sgbtokens.com>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

TechRate was commissioned by SmartGlobal to perform an audit of smart contracts:

<https://tronscan.org/#/token20/TGrniPhzXr2sdMEdGtjCzzuGQ95m4A7r7L/code>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts Details

Token contract details for 02.04.2022

Contract name SmartGlobal

Contract address TGrniPhzXr2sdMEdGtjCzzuGQ95m4A7r7L

Total supply 1,000,000,000.000000000

Token ticker SGB

Decimals 9

Token holders 38

Transactions count 78

Top 10 holders dominance 98.98%

Contract deployer address TU4HxgwCZ6CSSkkDx8XscXVb5fj2uhq86m

SmartGlobal Token Distribution

■ Top 1~10 holders:98.98% ■ Top 11~50 holders:1.02% ■ Top 51~100 holders:0.00% ■ Top 101~500 holders:0.00% ■ Top 501~∞ holders:0.00%

SmartGlobal Contract Interaction Details



SmartGlobal Top 10 Token Holders

Rank	Address	Quantity	Percentage
1	SC THExGDQ6fj1VSUvJNjvmN4z8VhQqaZsC	592,300,000	59.23%
2	TNKn47ZXqkLMHKgyC8To4obdfgdpwFdyg2	100,000,000	10%
3	TThwzu2NPzRqvY5NtBrUKYU88XYz9wZY4e	98,500,000	9.85%
4	SC TCqdu9enyuh3TIX4HiwVbGovf24YiMKgYz	89,000,000	8.9%
5	TDdXCQeQ3z8iojN8SXNa6H9EnKiiSwBES2	38,400,000	3.84%
6	TLxAHJFEVhETJQ9d4DzDC62PwkFUTHfB6S	30,000,000	3%
7	TCEQoj8PqP6yFzz3pk4gAdKAF5x6ZaJMXs	20,000,000	2%
8	TU4HxgwCZ6CSSkkDx8XscXVb5fj2uhq86m	8,553,616.5	0.855362%
9	TN8Yd8jmjsQ7Xj44MtNBWmJwv2tabvntys	8,000,000	0.8%
10	TS4gPnNijYP4JV3BDifmTf56HpXVdBnXgX	5,000,000	0.5%

Contract functions details

+ [Int] ITRC20

- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #

+ [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] mul
- [Int] div
- [Int] mod

+ TRC20 (ITRC20)

- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _approve #
- [Int] _burnFrom #

+ TRC20Detailed (ITRC20)

- [Pub] <Constructor> #
- [Pub] name
- [Pub] symbol
- [Pub] decimals

+ SmartGlobal (TRC20, TRC20Detailed)

- [Pub] <Constructor> #
 - modifiers: TRC20Detailed

(\$) = payable function

= non-constant function

Issues Checking Status

Issue description	Checking status
1. Compiler errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed

Security Issues

✓ High Severity Issues

No high severity issues found.

✓ Medium Severity Issues

No medium severity issues found.

✓ Low Severity Issues

No low severity issues found.

Conclusion

Smart contracts do not contain high severity issues! The further transfers and operations with the funds raise are not related to this particular contract.

TechRate note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.