Smart Contract Code and Web Front-End

Review, Testing and Audit

Project: **BLOCKCHAIN SPLIT GAME (BSG)**
Launch Date: **JANUARY 26, 2022**
Re-Audit Date: **AUGUST 27, 2022**

- ## *CONFIDENTIALITY*

This audit report may contain confidential information about blockchain systems and the intellectual property of the Developer/s and its Owner/s, as well as information about potential vulnerabilities and methods of their exploitation. The report can be disclosed publicly after prior consent by another Party. Any subsequent publication of this report shall be without mandatory consent.

- ## *DOCUMENT*

Project Name	*Blockchain Split Game (BSG)*
Launch Date	*January 26, 2022*
Audit Date	*August 27, 2022*
Project Type	Yield Farming
Benchmark	*93%*
Network	*TRON*
Website	*https://bsgfod.com/*
Smart Contract	*https://tronscan.org/#/contract/TSQo8Nn7muPZ78CAjhGCobUnd3m6vLKnNw/code*
Twitter	
Telegram	*https://t.me/BSGleaders*
Approved By	*Encrypto Sighn*

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- ## *ENCRYPTO FINDINGS*

FRONT END

- Basic web UI design.
- All buttons and inputs are fully functional and clickable.
- Some contents need to be up to date
- Not Mobile responsive.
- Summary:
    By checking and manually testing of all buttons functionality and other features of Blockchain Split Game's website, The EnCrypto Team for Front End Web Design found no malicious and blank contents from it..

SMART CONTRACT

- Contract Creator
    TKfDiciANkmFCxF7kHaASppUYcsgmYPUHy

- Compiler Version: solidity 0.6.12
- Contract Source Code: Solidity
- Audit: Passed
- Summary:
    By final checking and manually code reading of the Blockchain Split Game's Smart Contract, the EnCrypto Team found no malicious content, backdoors and scams scripts.
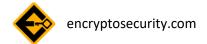
- ## *SEVERITY RATE*

- ## *SEVERITY DEFINITIONS*

CRITICAL	HIGH	MEDIUM	LOW
Vulnerabilities and issues that are very high prone to be exploited that may result to serious asset loss and at worst case technical and personal data manipulations.	Vulnerabilities and issues that are difficult to be handled, it allows the smart contract to execute by-passes and public accessibility to crucial functions.	Vulnerabilities and issues that needs minimal customization and modification of codes in the smart contract that needs to be fixed as soon as possible not to cause any asset loss.	Vulnerabilities and issues that may not affect directly to the smart contract but can cause high severity, low functionality and overall execution lags on the smart contract itself.

- ## *SOCCER BUSD SEVERITY OVERVIEW*

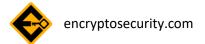| CRITICAL	HIGH	MEDIUM	LOW
No critical issues found	No critical issues found	No medium issues found	No medium issues found

- ## *OWNER ABILITY SCRIPT*

  - Distribute Rewards (distributePoolRewards)

- ## *USER ABILITY SCRIPT*

    - - - Register
    - - - Deposit (USDT)
    - - - Deposit By Split
    - - - Transfer By Split
    - - - Withdraw (USDT)

- ## PROJECT DETAILS

BLOCKCHAIN SPLIT GAME DESCRIPTION

- Blockchain Split Game (BSG) is a Hybrid Staking Yield Farming DApp base on TRON Network that promises 1.5% Daily ROI for as low as 50 USDT to 2000 USDT maximum deposit.

- Daily ROI gets for sitting investment for 15 - 45 days on the pool. (15 days = 1 Cycle, 22.5% gains/cycle).

DEVELOPERS FEE

- Dev Fee (2%)

Additional Cuts for Reward Pools

- Luck Pool (0.5%)
- Star Pool (0.3%)
- Top Pool (0.2%).

DEPOSIT (USDT)

- Minimum deposit 50 USDT, maximum deposit 2000 USDT.

- Making a deposit will sit the investment for a duration of 15 to 45 days inside the pool, depending on how many cycle the investor/user plan.

- 15 days = 1 cycle, additional 12 hours for each subsequent deposit.

- Deposit must be divisible by 50 USDT (Next deposit must be higher than previous deposit).

SPLIT BALANCE

- BSG's mechanism wherein the total gain per cycle of investors will be cut off into 30% going to the user Split Balance that can be reinvested again.

- 22.5% gains per cycle: 70% can be withdrawn (15.75%), 30% going Split Deposit Balance (6.75%).

- By this system fund shortage will be limited and can cycle will be normally distributed to the investors/user.

PLAYERS TIERING

- Tier Leveling and Referral Commissions.

Tier 1 - 5% (One Time Reward only)

Tier 2 - 1%

Tier 3 - 2%

Tier 4 - 3%

Tier 5 to 10 - 1%

Tier 11 to 20 - 0.5%

PLAYER LEVELS (STAR ROLE STAGES)

- One Star Player (50 - 450 USDT Deposit) - Solo Player, No referral/Team.

    - Two Star Players (500 - 950 USDT Deposit) - With Partner, at least 1 referral.

    - Three Star Players (1000 - 2000 USDT Deposit) - Downline A and B, more than 2 referrals.

    - Four Star Players (Personal Deposit 1000 USDT up) - composed of 50 players with effectively running line of 10,000 USDT.

    - Five Star Players (Personal Deposit 2000 USDT up) - composed of 200 players with effectively running line of 50,000 USDT.

POOL REWARDS
    - This was a set of pools for specific rewarding of investors/user of the project.

    - Reward gains are coming from collection before and after the day the rewarding happens.

Luck Pool - 10 new user of the day will receive rewards.
Star Pool - Rewards given to the four-star-players (Tier 2 to 5).
Top Pool - Rewards given to the Top 3 Referrers (1 - 50%, 2 - 30%, 3- 20%).

WITHDRAWAL AND FREEZE REWARDS
    - All rewards can withdraw anytime.

    - Capital and gains (70%) can withdraw after the cycle. Gains (30%) will remain to Split Deposit Balance for reinvestment. Total of 115.75% withdrawable.

    - BSG Freeze reward is a rule wherein user/teams must attain or drop specific level to activate/deactivate the frozen reward before withdrawing the rewards.

REFERRAL SYSTEM (MATCH BONUS)
- Referral must have at least deposited 50 USDT
- Referral distribution rewards was based on Tier Leveling (Tier 1 - 20).
- 5% for Tier 1 was one time referral commission only.

SWC REGISTRY

Smart Contract Weakness Classification

The following table contains an overview of the SWC registry. Each row consists of an SWC identifier (ID), weakness title.

SWC - 100	Function Default Visibility	*Passed*
SWC - 101	Integer Overflow and Underflow	*Passed*
SWC - 102	Outdated Compiler Version	*Passed*
SWC - 103	Floating Pragma	*Passed*
SWC - 104	Unchecked Call Return Value	*Passed*
SWC - 105	Unprotected Ether Withdrawal	*Passed*
SWC - 106	Unprotected SELFDESTRUCT Instruction	*Passed*
SWC - 107	Reentrancy	*Passed*
SWC - 108	State Variable Default Visibility	*Passed*
SWC - 109	Uninitialized Storage Pointer	*Passed*
SWC - 110	Assert Violation	*Passed*
SWC - 111	Use of Deprecated Solidity Functions	*Passed*
SWC - 112	Delegate call to Untrusted Callee	*Passed*
SWC - 113	DoS with Failed Call	*Passed*
SWC - 114	Transaction Order Dependence	*Passed*
SWC - 115	Authorization through tx.origin	*Passed*
SWC - 116	Block values as a proxy for time	*Passed*
SWC - 117	Signature Malleability	*Passed*
SWC - 118	Incorrect Constructor Name	*Passed*
SWC - 119	Shadowing State Variables	*Passed*
SWC - 120	Weak Sources of Randomness from Chain Attributes	*Passed*

DISCLAIMER

EnCrypto Team was only able to review the front-end/web design of the project and audit the Smart Contract itself. Team for the front-end/web design review was only able to check it based on its functionality and web aesthetics. On the side of Smart Contract, audits are analyzed, reviewed, and checked based on quality assurance and accordance to the best industrial standard practices of smart contract creation.

Audits does not guarantee any profit and loss but as an Auditors we will do our best to deliver secured projects. We the EnCrypto Team suggests and encourages all investors and users to "DYOR" Do-Your-Own-Research to avoid any scams and capital loss. Any loss and at worst bankruptcy are not our Team's fault.