



# Smart Contract Audit of [TRONBEST.me](https://tronbest.me)

SC AUDIT Labs has examined TRONBEST smart contract and conducted an internal audit on the same.

## Detailed Findings

### High severity issues

The audit did not find any high severity issues.

### Medium severity issues

Timestamp used is not that of the blockchain. It is recommended to use `time.block` to avoid errors.

```
player.time = now;
```

Simple math is used on 2 integers when SafeMath is implemented in the contract.

```
totalPlayers++;
```

```
timeLimit = timeLimit - secPassed;
```

### Low severity issues

There is a function called `getTimeLimit` for the following lines. It was used only once and not implemented on the next.

```
uint256 timeLimit = 2592000;
```

```
if(_tier == 1) timeLimit = 3240000;
```

```
if(_tier == 2) timeLimit = 4320000;
```

```
if(_tier == 3) timeLimit = 6480000;
```

```
if(_tier == 4) timeLimit = 12960000;
```

### Sanity Checks:

Functions in smart contracts can be classified as constructor, fallback, external, external\_const, public, public\_const, internal and private. Writing in a certain order can make the functions of contracts easy to understand and read.

## Audit Summary

In the final published contract code

<https://tronscan.org/#/contract/TNjj4SXJzby1rfbCdXxb3EaevgYddtbhsr/code>

- The contract is designed for small and big investors and for longer terms. Certain conditions in the code allow the contract to maintain equality for both big and small investors for a longer lifespan of the contract.
- Separate reinvest button and referral withdraw button makes it easy for investors to manage their balances.
- The code quality is well maintained and is well written following to the solidity coding standards.
- No backdoors for withdrawing investor deposits were found.
- Deposits made directly to the contract, will only increase the contract balance and sender will not be registered as a depositor.
- No errors were found during the testing period of 48 hours. Calculations are on point.

### Verified by:

Marksym J.

SCA LABS, Sg

[marksym.j@scaudits.tech](mailto:marksym.j@scaudits.tech)

