## Luxurious Pro Network Token

# Smart Contract Audit Report

SYSFIXED

**22 May 2021**

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# AUDITED DETAILS

## Audited Project

| Project name | Token ticker | Blockchain |
|---|---|---|
| Luxurious Pro Network Token | LPNT | Binance Smart Chain |

## Addresses

| | |
|---|---|
| **Contract address** | 0x6a4c76874e686a7d080d173987a35a9c48905583 |
| **Contract deployer address** | 0x7EC00e0D2EDa119143720A130e2584Eb22D1f553 |

## Project Website

**https://lpntoken.io/**

## Codebase

**https://bscscan.com/address/0x6a4c76874e686a7d080d173987a35a9c48905583#code**

# SUMMARY

LPN TOKEN is a financial revolution set to change how users transact. This Ethereum Blockchain-based multi-utility cryptocurrency is the initiative of LUXURIOUS PRO NETWORK TOKEN GROUP. The group is an undisputed leader in luxurious transportation and forex trading. The industry has successfully received funding from many multibillionaire investors from all parts of the world. Many prominent fund managers are also associated with the organization. These fund managers are loaded heavily with the wealth of experience required to deal with trading in forex. LPNT is being introduced to add a new value to your understanding of financial transactions. In simple words, a reliable process for safe, speedy, and affordable international transactions without any mediation is the objective of this economic revolution.

## Contract Summary

**Documentation Quality**

Luxurious Pro Network Token provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

**Code Quality**

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by Luxurious Pro Network Token with the discovery of several low issues.

**Test Coverage**

Test coverage of the project is 100% ( Through Codebase )

## Audit Findings Summary

- SWC-103 | Pragma statements can be allowed to float when a contract is intended on lines 7, 36, 118, 209, 374, 445 and 793.

# CONCLUSION

We have audited the Luxurious Pro Network Token project released on May 2021 to discover issues and identify potential security vulnerabilities in Luxurious Pro Network Token Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides satisfactory results with low-risk issues.

The Luxurious Pro Network Token smart contract code issues do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issue found is a floating pragma is set. The current pragma Solidity directive is ""^0.6.8"". Specifying a fixed compiler version is recommended to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

# AUDIT RESULT

| Article | Category | Description | Result |
|---|---|---|---|
| Default Visibility | SWC-100<br>SWC-108 | Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously. | PASS |
| Integer Overflow and Underflow | SWC-101 | If unchecked math is used, all math operations should be safe from overflows and underflows. | PASS |
| Outdated Compiler Version | SWC-102 | It is recommended to use a recent version of the Solidity compiler. | PASS |
| Floating Pragma | SWC-103 | Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly. | ISSUE FOUND |
| Unchecked Call Return Value | SWC-104 | The return value of a message call should be checked. | PASS |
| Unprotected Ether Withdrawal | SWC-105 | Due to missing or insufficient access controls, malicious parties can withdraw from the contract. | PASS |
| SELFDESTRUCT Instruction | SWC-106 | The contract should not be self-destructible while it has funds belonging to users. | PASS |
| Reentrancy | SWC-107 | Check effect interaction pattern should be followed if the code performs recursive call. | PASS |
| Uninitialized Storage Pointer | SWC-109 | Uninitialized local storage variables can point to unexpected storage locations in the contract. | PASS |
| Assert Violation | SWC-110<br>SWC-123 | Properly functioning code should never reach a failing assert statement. | PASS |
| Deprecated Solidity Functions | SWC-111 | Deprecated built-in functions should never be used. | PASS |
| Delegate call to Untrusted Callee | SWC-112 | Delegatecalls should only be allowed to trusted addresses. | PASS |

| | | | |
|---|---|---|---|
| DoS (Denial of Service) | SWC-113<br>SWC-128 | Execution of the code should never be blocked by a specific contract state unless required. | PASS |
| Race Conditions | SWC-114 | Race Conditions and Transactions Order Dependency should not be possible. | PASS |
| Authorization through tx.origin | SWC-115 | tx.origin should not be used for authorization. | PASS |
| Block values as a proxy for time | SWC-116 | Block numbers should not be used for time calculations. | PASS |
| Signature Unique ID | SWC-117<br>SWC-121<br>SWC-122 | Signed messages should always have a unique id. A transaction hash should not be used as a unique id. | PASS |
| Incorrect Constructor Name | SWC-118 | Constructors are special functions that are called only once during the contract creation. | PASS |
| Shadowing State Variable | SWC-119 | State variables should not be shadowed. | PASS |
| Weak Sources of Randomness | SWC-120 | Random values should never be generated from Chain Attributes or be predictable. | PASS |
| Write to Arbitrary Storage Location | SWC-124 | The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations. | PASS |
| Incorrect Inheritance Order | SWC-125 | When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/. | PASS |
| Insufficient Gas Griefing | SWC-126 | Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract. | PASS |
| Arbitrary Jump Function | SWC-127 | As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value. | PASS |

| | | | |
|---|---|---|---|
| Typographical Error | SWC-129 | A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable. | PASS |
| Override control character | SWC-130 | Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract. | PASS |
| Unused variables | SWC-131 SWC-135 | Unused variables are allowed in Solidity and they do not pose a direct security issue. | PASS |
| Unexpected Ether balance | SWC-132 | Contracts can behave erroneously when they strictly assume a specific Ether balance. | PASS |
| Hash Collisions Variable | SWC-133 | Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision. | PASS |
| Hardcoded gas amount | SWC-134 | The transfer() and send() functions forward a fixed amount of 2300 gas. | PASS |
| Unencrypted Private Data | SWC-136 | It is a common misconception that private type variables cannot be read. | PASS |

# SMART CONTRACT ANALYSIS

| | |
|---|---|
| **Started** | Friday May 21 2021 08:55:35 GMT+0000 (Coordinated Universal Time) |
| **Finished** | Saturday May 22 2021 08:12:04 GMT+0000 (Coordinated Universal Time) |
| **Mode** | Standard |
| **Main Source File** | LuxuriousProNetworkToken.sol |

## Detected Issues

| ID | Title | Severity | Status |
|---|---|---|---|
| SWC-103 | A FLOATING PRAGMA IS SET. | low | acknowledged |
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# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 7

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
6
7   pragma solidity ^0.6.8;
8
9   /*
10   * @dev Provides information about the current execution context, including the
11
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 36

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
35
36   pragma solidity ^0.6.8;
37
38   /**
39   * @dev Contract module which provides a basic access control mechanism, where
40
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 118

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
117
118   pragma solidity ^0.6.8;
119
120   /**
121   * @dev Interface of the BEP20 standard as defined in the EIP.
122
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 209

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
208
209   pragma solidity ^0.6.8;
210
211   /**
212   * @dev Wrappers over Solidity's arithmetic operations with added overflow
213
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 374

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
373
374   pragma solidity ^0.6.8;
375
376   /**
377   * @dev Collection of functions related to the address type
378
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 445

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
444
445   pragma solidity ^0.6.8;
446
447   contract BEP20 is Context, IBEP20 {
448   using SafeMath for uint256;
449
```

# SWC-103 | A FLOATING PRAGMA IS SET.

LINE 793

## low SEVERITY

The current pragma Solidity directive is ""^0.6.8"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

## Source File

- LuxuriousProNetworkToken.sol

## Locations

```
792
793   pragma solidity ^0.6.8;
794
795   contract LuxuriousProNetworkToken is Ownable, BEP20 {
796   constructor(uint256 total) public Ownable() BEP20("Luxurious Pro Network Token",
"LPNT", total, 18) {}
797
```

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