

# InfernoX Security Audit

Report Version 0.1

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Conducted by **Hunter Security**

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## 1 About Hunter Security

Hunter Security is an industry-leading smart contract security company. Having conducted over 100 security audits protecting over \$1B of TVL, our team delivers top-notch security services to the best DeFi protocols. For security audit inquiries, you can reach out on Telegram or Twitter at [@georgehntr](#).

## 2 Disclaimer

Audits are a time-, resource-, and expertise-bound effort where trained experts evaluate smart contracts using a combination of automated and manual techniques to identify as many vulnerabilities as possible. Audits can reveal the presence of vulnerabilities, but cannot guarantee their absence.

## 3 Risk classification

Severity	Impact: High	Impact: Medium	Impact: Low
Likelihood: High	High	High	Medium
Likelihood: Medium	High	Medium	Low
Likelihood: Low	Medium	Low	Low

### 3.1 Impact

- **High** - leads to a significant loss of assets in the protocol or significantly harms a group of users.
- **Medium** - involves a small loss of funds or affects a core functionality of the protocol.
- **Low** - encompasses any unexpected behavior that is non-critical.

### 3.2 Likelihood

- **High** - a direct attack vector; the cost is relatively low compared to the potential loss of funds.
- **Medium** - only a conditionally incentivized attack vector, with a moderate likelihood.
- **Low** - involves too many or unlikely assumptions; offers little to no incentive.

### 3.3 Actions required by severity level

- **High** - client **must** fix the issue.
- **Medium** - client **should** fix the issue.
- **Low** - client **could** fix the issue.

## 4 Findings

### 4.1 Informational

#### 4.1.1 Typographical mistakes and non-critical issues

**Severity:** Informational

**Description:** The contracts contain one or more typographical mistakes and non-critical issues. In an effort to keep the report size reasonable, we enumerate these below:

1. The `getTotalTitanXBurnedFromDeposits` function now returns incorrect value due to the dynamic burn percent.
2. Instead of burning Inferno through the Inferno BNB, they are now burnt directly in the InfernoX.
3. The InfernoX BNB pragma has been bumped to 0.8.X from 0.7.X. Consider reverting this change. Otherwise, consider removing the pragma abicoder line.

**Recommendation:** Consider fixing the above typographical mistakes and non-critical issues.

**Resolution:** Acknowledged.