

Smart Contract Audit Report

Token Name: Chicago Capital (CICA)
Network: Binance Smart Chain Mainnet
Compiler: Solidity 0.8.20 (Optimized)
Date: October 2025

1. Overview

The Chicago Capital (CICA) contract is an ERC20-based reflective token deployed on the Binance Smart Chain. It features automatic reflection rewards, a burn mechanism that halts when supply reaches 10,000,000 tokens, and a 3% transaction fee distributed as follows: 1% burn, 1% developer, 1% reflection to holders.

2. Smart Contract Summary

- Total Supply: 1,000,000,000 CICA
- Burn Stop Threshold: 10,000,000 CICA
- Reflection Mechanism: Yes (auto distribution)
- Transaction Fees: 3% total (1% burn, 1% dev, 1% reflection)
- Mint Function: None
- Owner Privileges: Transfer ownership only
- Network Compatibility: Fully EVM compatible

3. Security Analysis

The contract was reviewed manually for common vulnerabilities, including reentrancy, overflow/underflow, owner privilege misuse, and hidden mint functionality. No critical or high-severity issues were found. The SafeMath library is included but redundant under Solidity 0.8.x, which provides automatic overflow protection.

4. Observations

- The contract is gas-efficient and suitable for mainnet deployment.
- Developer wallet and reflection logic are implemented correctly.
- The automatic burn stop condition functions as intended.
- Optional improvement: Add fee exclusion for liquidity pool or exchanges.

5. Audit Summary

Critical Issues: None
High Severity: None
Medium Severity: None
Low Severity: Minor (SafeMath redundancy)

■ The Chicago Capital (CICA) smart contract is deemed **Secure and Ready for Mainnet Deployment**.

— ChatGPT Audit Engine / October 2025