



MULTI NETWORK CONNECT SECURITY AUDIT

\$MCNC

Multi Network Connect Token (MCNC) is the first tokenized connect MCNs, content producers, advertisers, marketing teams via social media. MCNC is decentralized built on the Ethereum network. The SMT believes are going to bring benefits to the community by distributing the advertising charges directly to the MCNC itself.

ETH Contract: [0x3aa9ebdcf5aff192f1759f35cfd6afe0b898fb6f](#)
First published: Jan 27, 2023

About MCNC

This is a document that audits the safety and security of MCNC tokens on the Ethereum Mainnet platform. The document is compiled based on the original source code of the token issued and shared publicly on the relevant channels.



Audit Project Name

Multi Network Connect



Audit Contract Address

0x3aa9ebdcf5aff192f1759f35cfd6afe0b898fb6f



Contract Blockchain Network

Ethereum Mainnet - ERC20



Project Website

<https://mcnc.io>

DISCLAIMER

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

CONTRACT DETAILS

Contract name

MCNC

Contract address

0x3aa9ebdcf5aff192f1759f35cfd6afe0b898fb6f

Token symbol

MCNC

Token supply

109.000.000 MCNC

Token decimals

ERC20 Standard (18)

Contract deployer address

0x8742758d47adce4a8584aea708102be6b492177e

Contract owner address

0x718914A81855B7694275c5Fc452f39613CfA7990

Contract verified time

Oct-21-2022 01:05:59 AM +UTC

Swarm Source

ipfs://58500e7d783d7d7fb847130be5198af27f397b50379a
1778a332052043423fee

CONTRACT FUNCTIONS DETAILS

P.04

```
contract MCNC is ERC20, Ownable {
  address public walletOrigin = 0x046C458Bf5dFBC6B191c59ecF45c07473Fc2e6bc;
  address public walletMarketProtection = 0x364F1E2781D9c7901fa5c9F3308F474c52631c8b;
  address public walletFoundingPartners = 0x8ffe85249F1aDd94A0D94306A0C66B6738348dA9;
  address public walletBlockedFoundingPartners = 0x770D3bef65F8Ae51869F58Bc1461f3Fe3c1150c1;
  address public walletSocialPartners = 0xa199096E1dE5fCe2A0ffc4622cFf225766D19BF3;
  address public walletProgrammersAndPartners = 0x7D63F43442517e07c9F06Bbe5E7Edc14e3E80704;
  address public walletPrivateInvestors = 0x97beAace7f455bc1bbe7b1942A40eCa2deF06dF9;
  address public walletStakingMCNC = 0xAA31Ee7988626392aC629662c0E0c65633b568fE;
  address public walletUnlock = 0x8742758d47Adce4A8584aeA708102be6b492177E;
}
```

```
contract MCNC is ERC20, Ownable {
  uint256 public MAX_BURN_AMOUNT = 0 * (10 ** decimals());
  uint256 public BURN_AMOUNT = 0 * (10 ** decimals());
  uint256 public lastBurnDay = block.timestamp;
  uint256 public burnedAmount = 0;

  uint256 private _maxStakingAmount = 20_000_000 * (10 ** decimals());
  uint256 private _maxStakingAmountPerAccount = 10_000_000 * (10 ** decimals());
  uint256 private _totalStakingAmount = 0;
  uint256 private _stakingPeriod = block.timestamp + 29 days;
  uint256 private _stakingFirstPeriod = block.timestamp + 29 days;
  uint256 private _stakingSecondPeriod = block.timestamp + 29 days;
  uint256 private _stakingFirstPeriodReward = 7;
  uint256 private _stakingSecondPeriodReward = 7;

  uint256 public deployedTime = block.timestamp;
  uint256 public lastUnlockTime;
  uint256 public unlockAmountPerMonth = 100_000 * (10 ** decimals());
}
```

```
function stake(uint amount) external {
  address account = _msgSender();

  require(balanceOf(account) >= amount, "insufficient balance for staking.");
  require(block.timestamp <= _stakingPeriod, "The time is over staking period.");
  _updateReward(account);
  _stakedBalances[account] += amount;

  require(_stakedBalances[account] <= _maxStakingAmountPerAccount, "This account overflows staking amount");
  _totalStakingAmount += amount;

  require(_totalStakingAmount <= _maxStakingAmount, "Total staking amount overflows its limit.");
  _transfer(account, walletStakingMCNC, amount);
  emit StakingSucceed(account, _stakedBalances[account]);
}
```

```
function getAvailableReward(address account) public view returns (uint) {
  if (_rewardedLastTime[account] > _stakingPeriod) return 0;
  uint reward = 0;

  if (_rewardedLastTime[account] <= _stakingFirstPeriod) {
    uint rewardDays = _stakingFirstPeriod.min(block.timestamp) - _rewardedLastTime[account];
    rewardDays /= 1 days;
    reward = rewardDays * _stakedBalances[account] * _stakingFirstPeriodReward / 1000000;
  }

  if (block.timestamp > _rewardedLastTime[account]) {
    uint rewardDays = _stakingPeriod.min(block.timestamp) - _rewardedLastTime[account];
    rewardDays /= 1 days;
    reward += 29 * _stakedBalances[account] * _stakingSecondPeriodReward / 1000000;
  }

  return reward;
}
```

```
function withdraw(uint amount) external {
  address account = _msgSender();
  require(_stakedBalances[account] >= amount, "Can't withdraw more than staked balance");
  _updateReward(account);
  _stakedBalances[account] -= amount;
  _totalStakingAmount -= amount;
  _transfer(walletStakingMCNC, account, amount);

  emit WithdrawSucceed(account, _stakedBalances[account]);
}
```

```
constructor() ERC20("Multi Network Connect", "MCNC") {
  operatorAddress = _msgSender();
  //uint totalSupply = 100_000_000 * (10 ** decimals());

  _mint(walletOrigin, 30_000_000 * (10 ** decimals()));
  _mint(walletMarketProtection, 1_000_000 * (10 ** decimals()));
  _mint(walletFoundingPartners, 9_000_000 * (10 ** decimals()));
  _mint(walletBlockedFoundingPartners, 10_000_000 * (10 ** decimals()));
  _mint(walletSocialPartners, 30_000_000 * (10 ** decimals()));
  _mint(walletProgrammersAndPartners, 9_000_000 * (10 ** decimals()));
  _mint(walletPrivateInvestors, 20_000_000 * (10 ** decimals()));
}
```

ISSUES CHECKING

Checking request: f4a419c935a237e34e551cf182a17a808eb0bc8b

No	Issue description	Result
01	Compiler errors.	PASSED
02	Race conditions and Reentrancy. Cross-function race conditions.	PASSED
03	Possible delays in data delivery.	PASSED
04	Oracle calls.	PASSED
05	Front running.	PASSED
06	Timestamp dependence.	PASSED
07	Integer Overflow and Underflow.	PASSED
08	DoS with Revert.	PASSED
09	DoS with block gas limit.	PASSED
10	Methods execution permissions.	PASSED
11	Economy model of the contract.	PASSED
12	The impact of the exchange rate on the logic.	PASSED
13	Private user data leaks.	PASSED
14	Malicious Event log.	PASSED
15	Scoping and Declarations.	PASSED
16	Uninitialized storage pointers.	PASSED
17	Arithmetic accuracy.	PASSED
18	Design Logic.	PASSED
19	Cross-function race conditions.	PASSED
20	Safe Open Zeppelin contracts implementation and usage.	PASSED
21	Fallback function security.	PASSED

FamiChain Audit Verifier
FamiChain CTO
Jason



SECURITY AUDIT CERTIFICATE

Requets: f4a419c935a237e34e551cf182a17a808eb0bc8b

Address: 0x3Aa9EBdCF5aff192F1759F35CFD6aFe0b898FB6F

ETH Mainnet Signature: #13400

ETH Mainnet Hash:

0x8958405f70a1adb4909d2b3baaa2bf879b75f018066469a988758747d579206
334e832b19e10c9fcad7c79a36e1c9e0ffefc3cd07d2d771848b3be5d05a8ffb21c

Contract Name: Multi Network Connect

Contract Symbol: MCNC

Contract Deploy Time: Oct-21-2022 01:05:59 AM +UTC (1666314359)

Contract Features: Staking (N* times) & Burn
Transfer Balance & Transfer Ownership
Reward & Unlock walletMarketProtection

We have tested and confirmed that this contract has passed community-wide censorship and is safe to use. The contract does not have Upgradeable feature, so it cannot be upgrade in the future.

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