

## Advanced Manual Smart Contract Audit

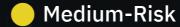


Project: AMCC

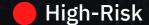
Website: no website



4 low-risk code issues found



0 medium-risk code issues found



0 high-risk code issues found

#### **Contract Address**

0x5525ab1063Aa8e84f58A53F975ba5FcDD33aC494

Disclaimer: Coinsult is not responsible for any financial losses. Nothing in this contract audit is financial advice, please do your own research.

## Disclaimer

Coinsult is not responsible if a project turns out to be a scam, rug-pull or honeypot. We only provide a detailed analysis for your own research.

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## **Tokenomics**

Rank	Address	Quantity (Token)	Percentage
1	0x0f1fdef95ae3dbb1ec6ba3165fe9c7fe99d064b9	88,893,780	88.8938%
2	Null Address: 0x000dEaD	9,000,000	9.0000%
3	0xdb50760e6f6ffd3ec08baa6d33b6bcfa7d6ecd53	1,000,000	1.0000%
4	0x9d35bca9d7af539a27172a3e80d09d1ec6038a78	990,000	0.9900%
5	0x4884901c64a07ff6856f6ac17d711182db181454	83,939.249376681017341033	0.0839%

## Source Code

Coinsult was comissioned by AMCC to perform an audit based on the following smart contract:

https://bscscan.com/address/0x5525ab1063Aa8e84f58A53F975ba5FcDD33aC494#code

## **Manual Code Review**

In this audit report we will highlight all these issues:



4 low-risk code issues found



0 medium-risk code issues found



0 high-risk code issues found

The detailed report continues on the next page...

#### **Too many digits**

Literals with many digits are difficult to read and review.

```
uint256 private initialAmount = 1000000000;
```

#### **Recommendation**

Use: Ether suffix, Time suffix, or The scientific notation

#### **Exploit scenario**

While 1\_ether looks like 1 ether, it is 10 ether. As a result, it's likely to be used incorrectly.

#### No zero address validation for some functions

Detect missing zero address validation.

```
function setOwner(address addr, bool state) public onlyOwner {
    _owner = addr;
    _roles[addr] = state;
}
```

#### **Recommendation**

Check that the new address is not zero.

#### **Exploit scenario**

```
contract C {

modifier onlyAdmin {
   if (msg.sender != owner) throw;
   _;
  }

function updateOwner(address newOwner) onlyAdmin external {
   owner = newOwner;
  }
}
```

Bob calls updateOwner without specifying the newOwner, soBob loses ownership of the contract.

#### **Conformance to Solidity naming conventions**

Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

```
contract Ownable is Context {
  address public _owner;
  mapping(address => bool) private _roles;
```

#### Recommendation

Follow the Solidity naming convention.

#### **Rule exceptions**

- Allow constant variable name/symbol/decimals to be lowercase (ERC20).
- Allow \_ at the beginning of the mixed\_case match for private variables and unused parameters.

#### **Redundant Statements**

Detect the usage of redundant statements that have no effect.

```
function _msgData() internal view virtual returns (bytes memory) {
   this;
   // silence state mutability warning without generating bytecode - see https://github.com/ethereur
   return msg.data;
}
```

#### **Recommendation**

Remove redundant statements if they congest code but offer no value.

#### **Exploit scenario**

```
contract RedundantStatementsContract {
    constructor() public {
        uint; // Elementary Type Name
        bool; // Elementary Type Name
        RedundantStatementsContract; // Identifier
    }
    function test() public returns (uint) {
        uint; // Elementary Type Name
        assert; // Identifier
        test; // Identifier
        return 777;
    }
}
```

Each commented line references types/identifiers, but performs no action with them, so no code will be generated for such statements and they can be removed.

## **Owner privileges**

- Owner cannot set fees higher than 25%
- Owner cannot pause trading
- Owner cannot change max transaction amount

## Extra notes by the team

No notes

## **Contract Snapshot**

```
contract AMCC is IERC20 {
  address private creator = msg.sender;

uint256 public totalSupply;
  string public name;
  uint8  public decimals;
  string public symbol;

uint256 private initialAmount = 1000000000;
  string private tokenName = "AMCC";
  uint8 private decimalUnits = 18;
  string private tokenSymbol = "AMCC";
```

## **Project Overview**

Not KYC verified by Coinsult

# AMCC Audited by Coinsult.net



Date: 4 June 2022

✓ Advanced Manual Smart Contract Audit