Whitepapaer ver.1.02

1. EMSA

In connection with the development of technology, more and more people are using blockchain for decentralized storage of information. This property allows you to store unique data on the network, with a guarantee of their safety and immutability.

Ethereum Message Search Application (EMSA) allows you to explore and search the Ethereum blockchain for transactions with humanly understandable content.

2. Smart Contract

Contract Address: 0x17E6616c45d267bC20A9892b58A01621c592B72d
Contract Name: EMS
Compiler Version: v0.4.25+commit.59dbf8f1
Contract Source Code (Solidity) :
https://etherscan.io/address/0x17E6616c45d267bC20A9892b58A01621c592B72d#code

EMS is a contract on the Ethereum network, the peculiarity of which is that the balance of the contract is “tied” to previously issued 10Mln tokens. The only way to access the balance of the contract is by sending tokens to the contract and then removing them from circulation.
The contract was created for advertising and more.

2.1 Token

Contract Address: 0x17E6616c45d267bC20A9892b58A01621c592B72d
Token Name: Ethereum Message Search
Symbol: EMS
Total Supply: 10,000,000 EMS
Decimals: 18

2.2 Development

1) Features:
name: Ethereum Message Search
symbol: EMS
decimals: 18

2) Provide functionality for compatibility with the ERC20 standard:
function totalSupply () public view returns (uint);
function balanceOf (address tokenOwner) public view returns (uint balance);
function allowance (address tokenOwner, address spender) public view returns (uint remaining);
function transfer (address to, uint tokens) public returns (bool success);
function approve (address spender, uint tokens) public returns (bool success);
function transferFrom (address from, address to, uint tokens) public returns (bool success);

event Transfer (address indexed from, address indexed to, uint tokens);
event Approval (address indexed tokenOwner, address indexed spender, uint tokens);

3) When creating a contract, 10 million tokens are issued, of which 5 million will be sent to the address of the partner, and the remaining 5 million will remain in the contract itself and will be distributed to users of the service under the conditions described below.

4) Upon receipt of ether to the contract, it accumulates, at the same time a certain number of EMS tokens will be sent to the sender's address. In the future, by sending EMS tokens to the contract address, it will be possible to receive ether coins at the actual rate.

5) Upon receipt of tokens on the contract, they are withdrawn from circulation.

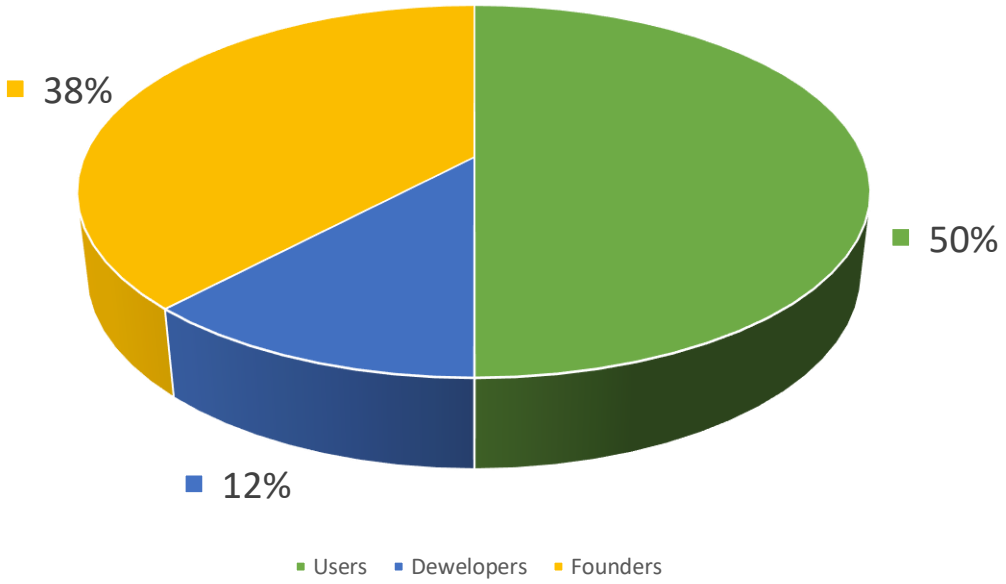
6) The cost of 1 token is determined by the formula:
1 EMS = Number of ETH on the contract / (10 million tokens - the number of tokens that have already been withdrawn from circulation)

7) The totalSupply variable stores the current number of tokens (10 million tokens - the number of tokens that have already been withdrawn from circulation)

8) Provide events:
Deposit (address user, uint value) - upon receipt of an ether contract
SellTokens (address user, uint value) - upon receipt of tokens on the contract

2.3 Distribution

Tokens in the amount of 5,000,000 EMS are available for purchase on a smart contract. It is assumed that these tokens will be distributed among the first users of the site. 3,800,000 of EMS have been privately allocated for founders and investors and 1,200,000 of EMS for team, advisors, developers and future distribution.



2.4 Actual price

The actual price for 1 EMS is calculated in ETH and determined by the formula:
1 EMS = b / (10,000,000 - q), where:
b - the amount of ETH on the balance of the contract;
q - the number of EMS withdrawn from circulation;

An example:

There is 1 ETH on the contract (0x17E6616c45d267bC20A9892b58A01621c592B72d).

The price at which the contract will offer to exchange EMS will be 1 ETH / 10Mln EMS=

0.0000001ETH.

2.5 Market price

https://www.coingecko.com/en/coins/ethereum-message-search

https://etherscan.io/token/0x17e6616c45d267bc20a9892b58a01621c592b72d#tokenInfo