**Comrade.finance Specifications Doc.**

**Dual token Defi Dapp**

First token : Workers ($WORK)

ERC20

Fixed supply of 20.000.000 work

Can be staked to earn $POTAT

Every 24H, 8% of the current circulating supply in UNISWAP (pair WORK/POTAT locked liquidity) get drained in a smart contract wallet (live streamed)

From the 8%, 80% goes to a specific pool (live streamed - like the tendies.dev/game bucket).

On the DAPP panel (GET WORK screen / liberate and redistribute), at any time, users can trigger the button  “let’s do this” to obtain 1% of the pool for themselves, and an additional 3% for everyone stacking $WORK tokens. The rest of the pool (96%) get burnt forever.

From the 8%, 20% goes to a specific pool. On the DAPP panel (GET WORK screen / make a bid to get all the work), $POTAT holders can bid to get all the $WORK of the pool.

Auction ends every 12h, and the Highest bid earns the $WORK.

Second token : Potato ($POTAT)

ERC20

Pre minted 40.000.000 $POTAT

Mintable supply by staking PAIR $WORK/ETH tokens through the comrade.finance DAPP

8% of the current supply get drained out of the uniswap pool every 24h like the $WORK token.

The amount drained (definitely burnt) out of the pool define the YIELD (previously called APY) mintable by the $work stakers.

The YIELD is for the stakers a percentage comprising between 0% to 100%.  Ratio of how much a user has staked.

 E.g one user has staked 20% of the $WORK then he gets 2% of the available $POTAT for the day

Stakers providing the most of the liquidity get the most % of the available potato basket each day (index determined by the amount of $POTAT drained by the pool within 24%)

So every 24h, the DAPP calculate the total mintable $POTAT and display it on the panel. On this Value, YIELD ratio in calculated in real time.

$WORK Functionalities

$WORK token is the Primary element for the DAPP. By staking WORK tokens, you are producing $POTAT.

Within the DAPP, there is 3 functionalities :

Stake pair $WORK + ETH  ( to mint $POTAT and get $WORK from the claim smart contract)

Claim $WORK (1% for you, 3% for every $WORK stackers)

Auction $WORK (made in $POTAT)

$POTAT Functionalities

$POTAT is the secondary element for the DAPP.

You obtain $POTAT through the DAPP by stacking pair of $WORK+ETH tokens.

$POTAT single usage within the DAPP is to auction $WORK.

At the end of 12h, best $POTAT bidder gets the 20% $WORK of the pool.

**Dapp Functionality and user flow**

**Page One**

• Connect Web3 wallet

• Approve $WORK token for deposit

• Deposit $WORK to Liquidity Pool

• Approve $POTAT to Harvest

• Harvest $POTAT

• Withdraw stake (withdraw both $WORK and $POTAT current farmed amount)

**Page Two**

• “Lets do this” claims current amount in pool and redistributes 3% to all stakers and give 1% to claimer

• Auction every 24h for second  $WORK pool

• Bid $POTAT if no one bids then pool is burnt

Further readings :

https://medium.com/@bryn.bellomy/solidity-tutorial-building-a-simple-auction-contract-fcc918b0878a - Auction Smart Contract