ProposalBasic - 1.0.0

Summary

This contract ensures votes are cast fairly and evaluation is done according to the rules as defined by the framework and the dao config

Parameters

Parameter	Description	Type	Default
imPaideiaDaoKey	Token ID of the dao config nft	Coll[Byte]	
paideiaDaoKey	Token ID of the Paideia DAO nft	Coll[Byte]	
paideiaTokenId	Token ID of the Paideia token	Coll[Byte]	
stakeStateTokenId	Token ID of the stake state nft	Coll[Byte]	

Registers

Register	Description	Type
R4	Int values with the following use: 0. Index of the proposal 1. Proposal status (-1 active, −2 failed, 0-n option that has passed)	Coll[Int]
R5	Long values with the following use: 0. Ending time of the proposal 1. Total votes cast 2-n. Votes cast on each option	Coll[Long]
R6	AVLTree holding individual votes (tokenid of stakekey, voterecord)	AVLTree
R7	Name of the proposal	Coll[Byte]

Assets

Token name	amount
{DAO Name} Proposal	1
Paideia	Create proposal fee amount

Transactions

Transaction name	Transaction description
Cast vote	In this transaction a vote is cast on an active proposal
Evaluate proposal	In this transaction the proposal ends and is evaluated

Cast vote

In this transaction a vote is cast on an active proposal

Context Variables

CV Index	Type	Description
0	Byte	Transaction type

1	Coll[Byte]	Proof for retrieving current vote
2	Coll[Byte]	Proof for inserting/updating vote
3	Coll[Byte]	Proof for retrieving stake
4	Coll[Byte]	Vote to be cast
5	Coll[Byte]	Token ID of stake key

Config

Config key	Type	Description

Inputs

Utxo type	Description
Stake state	Stake state for this dao
Stake Vote	Stake vote logic
ProposalBasic	The proposal to be voted on
User	The utxo(s) the user provides to vote

Data Inputs

Utxo type	Description

Outputs

Utxo type	Description
Stake state	Stake state for this dao
Stake Vote	Stake vote logic
ProposalBasic	Updated proposal utxo
User	Change returned to user (including stake key)
Miner	Miner fee

Conditions

1. Stake state is correct
2. Proposal updated correct
3. End time not passed
4. Vote does not exceed staked amount

Evaluate proposal

In this transaction the proposal ends and is evaluated

Context Variables

CV Index	Type	Description
0	Byte	Transaction type
1	Coll[Byte]	Proof for retrieving dao config
2	Coll[Byte]	Proof for retrieving paideia dao config
10	(Int, Long)	The winning vote

Config

Config key	Type	Description
im.paideia.dao.quorum	Long	Quorum needed for proposal to pass
im.paideia.dao.threshold	Long	Threshold needed for a proposal option to pass
im.paideia.fees.createproposal.-paideia	Long	Fee for creating a proposal
im.paideia.contracts.split.profit	PaideiaContractSignature	Signature of split profit contract for paideia dao

Inputs

Utxo type	Description
ProposalBasic	The proposal to be voted on

Data Inputs

Utxo type	Description
Stake state	Stake state for this dao
DAO Config	Config for this dao
Paideia DAO Config	Config for Paideia DAO

Outputs

Utxo type	Description
ProposalBasic	Updated proposal utxo
SplitProfit	Proposal creation fee sent to Paideia DAO
Miner	Miner fee

Conditions

1. Stake state is correct
2. Config correct
3. Paideia Config correct
4. Winning vote correct
5. End time passed