

# ParamsControl

ParamsControl

DAO  
Conflux

ParamsControl

PoW  
CIP-99

PoS

```
// SPDX-License-Identifier: MIT

pragma solidity >=0.8.0;

interface ParamsControl {
    struct Vote {
        uint16 topic_index;
        uint256[3] votes;
    }

    /** Query Functions */
    /**
     * @dev cast vote for parameters
     * @param vote_round The round to vote for
     * @param vote_data The list of votes to cast
     */
    function castVote(uint64 vote_round, Vote[] calldata vote_data) external;

    /**
     * @dev read the vote data of an account
     * @param addr The address of the account to read
     */
    function readVote(address addr) external view returns (Vote[] memory);

    /**
     * @dev Current vote round
     */
    function currentRound() external view returns (uint64);

    /**
```

```

    * @dev read the total votes of given round
    * @param vote_round The vote number
    */
function totalVotes(uint64 vote_round) external view returns (Vote[] memory);

/**
    * @dev read the PoS stake for the round.
    */
function posStakeForVotes(uint64) external view returns (uint256);

    event CastVote(uint64 indexed vote_round, address indexed addr, uint16 indexed
topic_index, uint256[3] votes);
    event RevokeVote(uint64 indexed vote_round, address indexed addr, uint16 indexed
topic_index, uint256[3] votes);
}

```

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