



# PEERPLAYS BULLETIN

peerplays.com

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## **Recommended Global Parameter Settings for the Peerplays Genesis Block**

This document contains the list of recommended Global Parameter Settings to be initialized at the launch of the Peerplays Blockchain. Most of the following settings can be updated in the future by consensus vote through the elected on-chain advisory committee.

Please note, the USD value equivalents shown for each individual fee *are for demonstration purposes only*. A hypothetical value of US\$5.00 per PPY token has been used in this document for purposes of calculating the approximate USD value equivalent of each fee at the time of launch. USD equivalent values are shown in **[bold brackets]**.

Peerplays is built on the MIT licensed Graphene toolkit, which incidentally happens to support some other software functions that are not integrated with Peerplays. Therefore, for software security purposes it is strongly recommended that **all parameters which are highlighted in RED remain permanently disabled (as shown) by the on-chain advisory committee.**

## **Recommended Global Parameter Settings for the Peerplays Genesis Block**

(Scale: 100000 = 1 PPY)

**###**

"max\_core\_supply": "1446051993031" , # total PPY available to claim: 5,460,519.93031  
# total PPY on-chain reserve pool: 9,000,000

### **### Fees for general operations**

```
"initial_parameters": {
"current_fees": {
"parameters": [[
0,{
"fee": 1000, # fee for "transfer" operation [$0.05]
"price_per_kbyte": 1000 # additional fee depending on transferred memo size [$0.05/kb]
}
],[
1,{
"fee": 50 # fee for "limit_order_create" operation [$0.0025]
}
],[
```

```

2,{
"fee": 0 # fee for "limit_order_cancel" operation [free]
}
3,{
"Fee": 500000000000 # fee for "call_order_update" operation [disabled]
} # (borrow an asset with collateral - SmartCoins)
],[
4,{} # fee for "fill_order" operation [free]
],[
5,{ # fees for "account_create" operation:
"basic_fee": 500, # the cost to register a new basic account [$0.025]
"premium_fee": 250000, # the cost to register a premium account [$12.50]
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}
],[
6,{ # fee for "account_update" operation [$0.005]
"fee": 100, # (update keys, account proxy, votes, etc.)
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}
],[
7,{ # fee for "account_whitelist" operation [$0.05]
"fee": 1000
}
],[
8,{ # additional fees for "account_upgrade" operation:
"membership_annual_fee": 500000000000, # upgrade to annual membership [disabled]
"membership_lifetime_fee": 500000 # upgrade to lifetime membership [$25.00]
}
],[
9,{ # fee for "account_transfer" operation [$10.00]
"fee": 200000 # (transfer an account to a new owner)
}
],[
10,{ # fees for "asset_create" operation
"symbol3": "500000000000", # fee for 3 letter symbol [disabled]
"symbol4": "500000000000", # fee for 4 letter symbol [disabled]
"long_symbol": 5000000, # fee for 5 or more letter symbol [$250.00]
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}

```

```
11,{
"fee": 100000,           # fee for "asset_update" operation [$5.00]
"price_per_kbyte": 100  # additional fee depending on transferred memo size [$0.05/kb]
}
],[
12,{
"fee": 500000000000     # fee for "asset_update_bitasset" operation [disabled]
}
],[
13,{
"fee": 500000000000     # fee for "asset_update_feed_producers" operation [disabled]
}
],[
14,{
"fee": 1000,            # fee for "asset_issue" operation [$0.05]
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}
],[
15,{
"fee": 1000             # fee for "asset_reserve" operation [$0.05]
}
],[
16,{
"fee": 1000             # fee for "asset_fund_fee_pool" operation [$0.05]
}
],[
17,{
"fee": 500000000000     # fee for "asset_settle" operation [disabled]
}
],[
18,{
"fee": 500000000000     # fee for "asset_global_settle" operation [disabled]
}
],[
19,{
"fee": 500000000000     # fee for "asset_publish_feed" operation [disabled]
}
],[
```

```
20,{
  "fee": 800000          # fee for "witness_create" operation [$40.00]
}
],[
21,{
  "fee": 50000          # fee for "witness_update" operation [$2.50]
}
],[
22,{
  "fee": 1000,          # fee for "proposal_create" operation (propose a transaction) [$0.05]
  "price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}
],[
23,{
  "fee": 1000,          # fee for "proposal_update" operation [$0.05]
  "price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}
],[
24,{
  "fee": 0              # fee for "proposal_delete" operation [free]
}
],[
25,{
  "fee": 3000          # fee for "withdraw_permission_create" operation [$0.15]
}
],[
26,{
  "fee": 1000          # fee for "withdraw_permission_update" operation [$0.05]
}
],[
27,{
  "fee": 1000,          # fee for "withdraw_permission_claim" operation [$0.05]
  "price_per_kbyte": 1000 # additional fee depending on transferred memo size [$0.05]
}
],[
28,{
  "fee": 0              # fee for "withdraw_permission_delete" operation [free]
}
],[
```

```

29,{
"fee": 100000 # fee for "committee_member_create" operation ("advisor" create) [$5.00]
}
],[
30,{
"fee": 50000 # fee for "committee_member_update" operation [$2.50]
}
],[
31,{
"fee": 1000 # fee for "committee_member_update_global_parameters" operation [$0.05]
}
],[
32,{
"fee": 100000 # fee for "vesting_balance_create" operation [$5.00]
} # (manually create a vesting_balance for an account)
],[
33,{
"fee": 1000 # fee for "vesting_balance_withdraw" operation [$0.05]
} # (withdraw funds from a vesting_balance)
],[
34,{
"fee": 500000000000 # fee for "worker_create" operation [disabled]
}
],[
35,{
"fee": 1000, # fee for "custom operation" [$0.05]
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05]
}
],[
36,{
"fee": 1000 # fee for "assert operation" [$0.05]
} # (used to set required pre/post conditions for other operations in a transaction)
],[
37,{} # fee for "balance_claim" operation [free]
],[
38,{
"fee": 20000, # fee for "override_transfer" operation [$1.00]
"price_per_kbyte": 1000 # additional fee depending on transferred data size [$0.05/kb]
}

```

```

39,{
"fee": 1000,          # fee for "transfer_to_blind" operation [$0.05]
"price_per_output": 1000 # additional fee depending on output size [$0.05/kb]
}
],[
40,{
"fee": 1000,          # fee for "blind_transfer" operation [$0.05]
"price_per_output": 1000 # additional fee depending on output size [$0.05/kb]
}
],[
41,{
"fee": 1000 # fee for "transfer_from_blind" operation [$0.05]
}
],[
42,{} # fee for "asset_settle_cancel" operation [disabled]
],[
43,{
"fee": 3000 # fee for "asset_claim_fees" operation (to claim fee pool funds) [$0.15]
}
],[
44,{} # fee for "fba_distribute" operation [disabled]
],[

```

### **### Fees for Rock Paper Scissors & profit sharing operations**

```

45,{
"fee": 1000 # fee for "tournament_create" operation [$0.05]
}
],[
46,{
"fee": 5000 # fee for "tournament_join" operation\ [$0.25]
}
],[
47,{
"fee": 0 # fee for "game_move" operation [free]
}
],[

```

```
48,{
"fee": 100000 # fee for "asset_update_dividend" operation [$5.00]
}
],[
49,{} # fee for "tournament_leave" operation [free]
]
],
"Scale": 10000 # fee calculated as fee * scale / 10000
]},
```

### ### General Settings & Parameters

```
"block_interval": 3, # interval in seconds between blocks

"maintenance_interval": 3600, # interval in seconds between maintenance periods

"maintenance_skip_slots": 3, # number of block_intervals to skip at maintenance time

"committee_proposal_review_period": 3600, # minimum time in seconds that a proposed
transaction requiring committee authority may not be signed, prior to expiration

"maximum_transaction_size": 99999, # maximum allowable size in bytes for a transaction

"maximum_block_size": 2000000, # maximum allowable size in bytes for a block

"maximum_time_until_expiration": 86400, # maximum lifetime in seconds for transactions to be
valid, before expiring

"maximum_proposal_lifetime": 2419200, # maximum lifetime in seconds for proposed
transactions to be kept, before expiring

"maximum_asset_whitelist_authorities": 10, # maximum number of accounts which an asset
owner may list as authorities for the asset's whitelist or blacklist

"maximum_asset_feed_publishers": 10, # maximum number of feed publishers for a given asset
[disabled]

"maximum_witness_count": 101, # maximum number of active witnesses
```

"maximum\_committee\_count": 33, # maximum number of active committee\_members

"maximum\_authority\_membership": 11, # largest number of keys/accounts an authority can have

"reserve\_percent\_of\_fee": 0, # the percentage of the network's allocation of a fee that is burned [0%]

"network\_percent\_of\_fee": 10000, # percent of transaction fees paid to network (added back to the reserve pool) [100%]

"lifetime\_referrer\_percent\_of\_fee": 0, # percentage of fee which should go to lifetime referrer [0%]

"cashback\_vesting\_period\_seconds": 9999999, # time after cashback rewards are accrued before they become liquid [disabled]

"cashback\_vesting\_threshold": 100000, # the maximum cashback that can be received without vesting [disabled]

"count\_non\_member\_votes": true, # if set to false, voting privileges are restricted to member accounts

"allow\_non\_member\_whitelists": true, # true if non-member accounts may set whitelists and blacklists; false otherwise

"witness\_pay\_per\_block": 725, # amount of PPY to be allocated to witnesses (per block)

"worker\_budget\_per\_day": "0", # amount of PPY to be allocated to workers per day [disabled]

"max\_predicate\_opcode": 1, # predicate\_opcode must be less than this number

"fee\_liquidation\_threshold": 500000000000, # value in PPY at which accumulated fees in blockchain-issued market assets should be liquidated [disabled]

"accounts\_per\_fee\_scale": 1000, # number of accounts between fee scalings

"account\_fee\_scale\_bitshifts": 0, # number of times to left bitshift account registration fee at each scaling

"max\_authority\_depth": 2, # number of allowed recursions when looking for account authorities

### **### Rock Paper Scissors Settings & Parameters:**

"witness\_schedule\_algorithm": 0, # 0 shuffled, 1 randomly generated

"min\_round\_delay": 10, # minimum delay between tournament rounds [seconds]

"max\_round\_delay": 300, # maximum delay between tournament rounds [seconds]

"min\_time\_per\_commit\_move": 15, # minimum time to commit the next blinded proof [seconds]

"max\_time\_per\_commit\_move": 15, # maximum time to commit the next blinded proof [seconds]

"min\_time\_per\_reveal\_move": 9, # minimum to reveal the blinded proof [seconds]

"max\_time\_per\_reveal\_move": 9, # maximum to reveal the blinded proof [seconds]

"rake\_fee\_percentage": 300, # part of prize paid into the dividend account for the core token holders [3%]

"maximum\_registration\_deadline": 2592000, # maximum number of seconds before registration deadline [seconds from current block time]

"maximum\_players\_in\_tournament": 256, # maximum number of players in a tournament

"maximum\_tournament\_whitelist\_length": 1000, # maximum list of players whitelisted for a tournament

"maximum\_tournament\_start\_time\_in\_future": 5184000, # maximum number of seconds from current block time that a "fixed start time" tournament can start

"maximum\_tournament\_start\_delay": 259200, # for "flexible start time" tournaments, this is the maximum delay of the tournament start after the final player registers [seconds]

"maximum\_tournament\_number\_of\_wins": 25, # maximum number of wins needed for a single game

### ### Additional Settings & Parameters

```
"extensions": []          # placeholder for future dapp. extensions
},
"initial_accounts": [{   # "init" accounts with their keys

"initial_assets": [],    # assets to be initialized (other than PPY) [none]

"initial_balances": [{  # Addresses with PPY balances to be claimed (see Peerplays Bulletin)

"asset_symbol": "PPY",

"initial_vesting_balances": [],    # initial vesting PPY balances (see Peerplays Bulletin)

"initial_active_witnesses": 11,    # number of "init" witnesses

"initial_witness_candidates": [],   # (same accounts created under "initial_accounts")

"initial_committee_candidates": [], # (same accounts created under "initial_accounts")

"initial_worker_candidates": [],    # these accounts become workers in genesis [disabled]

"initial_chain_id": (N/A)           # unique id of the witness_node

"min_committee_member_count": 9,   # minimum number of committee members needed

"min_witness_count": 11,           # minimum number of witnesses needed

"num_special_accounts": 0,         # additional special accounts in genesis [none]

"num_special_assets": 0            # additional special assets in genesis [none]
```