PlatDot测试报告

# 1，测试情况

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| --- | --- | --- | --- | --- | --- |
| 项目名称 | Platdot | | | | |
| 缺陷总数(个) | 需求缺陷数 | | | | |
| 严重缺陷总数(个) | 设计缺陷数 | 0 | 缺陷类型(个) | 功能缺陷 | *0* |
| 编码缺陷数 | 0 | 系统缺陷 | *0* |
| 其它缺陷数 | 0 | 算法缺陷 | 0 |
| *指“缺陷等级”为A和B类* | 0 | 代码缺陷 | *0* |
| 修复的缺陷总数(个) | 0 | 0 | 轻微缺陷总数(个) | | *0* |

# 2，Solidity合约交互

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 模块名称：Bridge | | | | | | | | | | |
| 测试的工作量（小时）：0.5 | | | | | | | | | | |
| 模块名/函数名 | 设计说明书对应的章节 | 输入数据 | | 期望结果 | 实际结果 | 缺陷描述 | 缺陷等级 | 改否 | 缺陷类型 | 缺陷来源分析 |
| 数据类型 | 值 |
| GetProposal(opts \*bind.CallOpts, originChainID uint8, depositNonce uint64, dataHash [32]byte) (BridgeProposal, error) |  | A | callOpts, 1, 2, dataHash | {0，0，0，0}, nil | 正常 |  |  |  |  |  |
| HasVotedOnProposal(opts \*bind.CallOpts, destNonce \*big.Int, dataHash [32]byte, relayer common.Address) (bool, error) |  | A | callOpts, 1, 2, dataHash | false, nil | 正常 |  |  |  |  |  |
| VoteProposal(opts \*bind.TransactOpts, chainID uint8, depositNonce uint64, resourceID [32]byte, dataHash [32]byte) (\*types.Transaction, error) |  | A | callOpts, 2, 51, 0x000000000000000000000000000000000  0000000000000000000000000000002, dataHash | tx, nil | 正常 |  |  |  |  |  |
| GetDepositRecord(opts \*bind.CallOpts, depositNonce uint64, destId uint8) (ERC20HandlerDepositRecord, error) |  | A | callOpts, 52, 2 | depositRecord, nil | 正常 |  |  |  |  |  |
| AdminAddRelayer(relayerAddress common.Address) (\*types.Transaction, error) |  | A | atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jz  d2m | tx, nil | 正常 |  |  |  |  |  |
| ResourceIDToHandlerAddress(opts \*bind.CallOpts, arg0 [32]byte) (common.Address, error) |  |  | callOpts, 0x000000000000000000000000000  0000000000000000000000000000000000002 | atp18uylvwsppgg  u5wn458yxe0stet  r7tpytyllaxc, nil | 正常 |  |  |  |  |  |
| TotalRelayers() (\*big.Int, error) |  |  | nil | 5 | 正常 |  |  |  |  |  |
| IsRelayer(relayer common.Address) (bool, error) |  |  | atp1hfhgzgluf9qneuguyw36jrnnsexn388d2lu6xr | true | 正常 |  |  |  |  |  |
| AdminChangeRelayerThreshold(opts \*bind.TransactOpts, newThreshold \*big.Int) (\*types.Transaction, error) |  |  | callOpts, 5 | tx, nil | 正常 |  |  |  |  |  |
| AdminRemoveRelayer(opts \*bind.TransactOpts, relayerAddress common.Address) (\*types.Transaction, error) |  |  | callOpts, atp18hqda4eajphkfarxaa2rutc5dwdwx9z5vy2  nmh | tx, nil | 正常 |  |  |  |  |  |
| AdminSetResource(handlerAddress common.Address, resourceID [32]byte, tokenAddress common.Address) (\*types.Transaction, error) |  |  | callOpts, 0x00000000000000000000000000000000000  00000000000000000000000000002,atp18uylv  wsppggu5wn458yxe0stetr7tpytyllaxc | tx, nil | 正常 |  |  |  |  |  |

# 3，Listener模块

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 模块名称：Listener | | | | | | | | | | |
| 测试的工作量（小时）：0.5 | | | | | | | | | | |
| 模块名/函数名 | 设计说明书对应的章节 | 输入数据 | | 期望结果 | 实际结果 | 缺陷描述 | 缺陷等级 | 改否 | 缺陷类型 | 缺陷来源分析 |
| 数据类型 | 值 |
| setContracts(bridge \*Bridge.Bridge, erc20Handler \*ERC20Handler.ERC20Handler) |  | A |  | "atp1emxqzwmz0nv5pxk3h9e2dp3p6djfkqwn4v05zk"  ,"atp15nqwyjpffntmgg05aq6u7frdvy60qnm82007q5" | nil | 正常 |  |  |  |  |
| getDepositEventsForBlock(latestBlock \*big.Int) error |  |  |  | 6230724 | nil | 正常 |  |  |  |  |
| buildQuery(contract ethcommon.Address, sig utils.EventSig, startBlock \*big.Int, endBlock \*big.Int) eth.FilterQuery |  |  |  | “atp1emxqzwmz0nv5pxk3h9e2dp3p6djfkqwn4v05zk”,  Deposit(uint8,bytes32,uint64), 6230724, 6230724 | query | 正常 |  |  |  |  |
| handleErc20DepositedEvent(destId msg.ChainId, nonce msg.Nonce) (msg.Message, error) |  |  |  | 1, 55 | msg | 正常 |  |  |  |  |
| GetBlockByNumber(height int64) (\*models.BlockResponse, error) |  |  |  | 5964 | resp, nil | 正常 |  |  |  |  |
| submitMessage(m msg.Message, err error) |  |  |  | m{2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000000  0000000000000000000002,100000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m} | nil | 正常 |  |  |  |  |
| DecodeEventRecords(m \*Metadata, t interface{}) error |  |  |  | metedata, event | nil | 正常 |  |  |  |  |
| registerEventHandler(name eventName, handler eventHandler) error |  |  |  | “FungibleTransfer”, fungibleTansferHandler | nil | 正常 |  |  |  |  |
| GetFinalizedHead() (types.Hash, error) |  |  |  | nil | hash, nil | 正常 |  |  |  |  |
| GetHeader(blockHash types.Hash) (\*types.Header, error) |  |  |  | hash | head-  -er, nil | 正常 |  |  |  |  |
| processBlockExtrinsic(currentBlock int64) |  |  |  | 5964 | nil | 正常 |  |  |  |  |
| dealBlockTx(resp \*models.BlockResponse, currentBlock int64) |  |  |  | resp, 5964 | nil | 正常 |  |  |  |  |
| getSendAmount(e \*models.ExtrinsicResponse) (\*big.Int, bool) |  |  |  | extResp | 10000  0000, true | 正常 |  |  |  |  |
| GetAmountToSub(origin []byte, assetId xevents.AssetId) (\*big.Int, error) |  |  |  | 1000000000000000000, 10000000000 | 10000  0000,  nil | 正常 |  |  |  |  |

# 4，Writer模块

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 模块名称：writer | | | | | | | | | | |
| 测试的工作量（小时）：0.5 | | | | | | | | | | |
| 模块名/函数名 | 设计说明书对应的章节 | 输入数据 | | 期望结果 | 实际结果 | 缺陷描述 | 缺陷等级 | 改否 | 缺陷类型 | 缺陷来源分析 |
| 数据类型 | 值 |
| ResolveMessage(m msg.Message) bool |  | A | null | 2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000000  0000000000000000000002,100000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m | true | 正常 |  |  |  |  |
| createMultiSigProposal(m msg.Message) bool |  | A | null | 2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000000  0000000000000000000002,100000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m | true | 正常 |  |  |  |  |
| ConstructErc20ProposalData(amount []byte, recipient []byte) []byte |  |  |  | 10000000000000000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m | databytes | 正常 |  |  |  |  |
| watchThenExecute(m msg.Message, data []byte, dataHash [32]byte, latestBlock \*big.Int) |  |  |  | m{2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000000  0000000000000000000002,100000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m}, data, dataHash, 6230955 | nil | 正常 |  |  |  |  |
| shouldVote(m msg.Message, dataHash [32]byte) bool |  |  |  | m{2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000000  0000000000000000000002,100000000, atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m}, dataHash | true | 正常 |  |  |  |  |
| proposalIsPassed(srcId msg.ChainId, nonce msg.Nonce, dataHash [32]byte) bool |  |  |  | 1, 112, dataHash | false | 正常 |  |  |  |  |
| hasVoted(srcId msg.ChainId, nonce msg.Nonce, dataHash [32]byte) bool |  |  |  | 1, 112, dataHash | false | 正常 |  |  |  |  |
| PlatonToEth(platon string) ([]byte, error) |  |  |  | atp1sy2tvmghdv47hwz89yu9wz2y29nd0frr9jzd2m | 0x8114B  66d176B  2BebB84  7293857  0944516  6D7A463 | 正常 |  |  |  |  |
| executeProposal(m msg.Message, data []byte, dataHash [32]byte) |  |  |  | m{2,1,MultiSigTransfer,112, 0x000000000000000000000000000000000000000  0000000000000000000000002,100000000,atp1sy2t  vmghdv47hwz89yu9wz2y29nd0frr9jzd2m}, data, dataHash | nil | 正常 |  |  |  |  |
| GetSubChainRecipient(m msg.Message) interface{} |  |  |  | m{1,2,FungibleTransfer,23, 0x0000000000000000000000000000000000000000  000000000000000000000002,1000000000000000  000, 5CHwt8bFyDLC3MyzPQugmmxZTGjShBW2kFMWi  C2kSL5TuJxd}, data, dataHash | multiAddr  ess{5CHw  t8bFyDLC3  MyzPQug  mmxZTGj  ShBW2kF  MWi} | 正常 |  |  |  |  |
| CalculateAmountToSub(origin []byte, singleToken int64, fixedTokenFee int64, extraFeeRate int64) (\*big.Int, error) |  |  |  | 1000000000000000000, 100000000, 3000000, 1000 | 99600000 | 正常 |  |  |  |  |
| GetMetadataLatest() (\*types.Metadata, error) |  |  |  | nil | metadata | 正常 |  |  |  |  |
| NewCall(m \*Metadata, call string, args ...interface{}) (Call, error) |  |  |  | metadata, “Balances.Transfer”, multiAddress{5CHw  t8bFyDLC3MyzPQugmmxZTGjShBW2kFMWi, 99600000} | call, nil | 正常 |  |  |  |  |
| FindCallIndex(call string) (CallIndex, error) |  |  |  | “Balance.Transfer” | {12, 0}, nil | 正常 |  |  |  |  |
| FindEventNamesForEventID(eventID EventID) (Text, Text, error) |  |  |  | “balances.Transfer” | {7, 0},  nil | 正常 |  |  |  |  |
| CreateStorageKey(meta \*Metadata, prefix, method string, arg []byte, arg2 []byte) (StorageKey, error) |  |  |  | metadata, “System”, “Account”, 0x0a19674301c56a1721feb98dbe93cfab911a8c1bed1  27f598ef93b374bcc6e71, nil | storageke-  -y, nil | 正常 |  |  |  |  |
| NewExtrinsic(c Call) Extrinsic |  |  |  | call | ext | 正常 |  |  |  |  |
| SubmitAndWatchExtrinsic(xt types.Extrinsic) (\*ExtrinsicStatusSubscription, error) { |  |  |  | ext | subscribe, nil | 正常 |  |  |  |  |
| Subscribe(ctx context.Context, namespace, subscribeMethodSuffix, unsubscribeMethodSuffix,  notificationMethodSuffix string, channel interface{}, args ...interface{}) (  \*gethrpc.ClientSubscription, error) |  |  |  | ctx, “author”, “submitAndWatchExtrinsic”, "unwatchExtrinsic", "extrinsicUpdate", c, enc | sub, nil | 正常 |  |  |  |  |