Network Communication Protocol

Get Peers

| | T 1H | | | | |
|--|---------|--|--|--|---|
| | | | | | A |

Get Block Message

| | Size o | f Messa | age 5H | | T 1H |] | Reques | ted Blo | ck Nun | I | Previous Block Hash 64H | | | | | |
|-------------------------|-------------------------|---------|--------|--|---------|---|--------|---------|--------|---|----------------------------|--|--|--|--|--|
| | | | | | С | | | | | | | | | | | |
| Previous Block Hash 64H | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | Previous Block Hash 64H | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | Previous Block Hash 64H | | | | | | | | | | | | | | | |
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Send Peers Message

| | Size o | f Messa | T 1H | Number of Peers 2H | | | | | | | | |
|--------------|----------------|---------|----------------|-----------------------|---|------------------------|--|--|--|--|--|--|
| | | | | | В | | | | | | | |
| 1 10001 | ress I 1 2H | | ress I 2 2H | Addı Byte | | Address I Byte 4 2H | | | | | | |
| | | | | | | | | | | | | |
| Next Address | | | | | | | | | | | | |

Send Transaction

| Size o | f Messa | age 5H | | T 1H | | Time Created (POSIX) 8H | | | | | | | | Out Count 1H | |
|---------|---------|--------|--------|---------|----------|--|---------|-----|--|--|--|--------|----------|--------------------|--|
| | | | | E | | | | | | | | | | | |
| Input . | A Blocl | k Numb | oer 6H | | Trans | Input A Cransaction Signature 256H Number 2H | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | F | ollowir | ng Inpu | ts | | | | | | | |
| | | | Out | put Ad | dress 32 | 24H | Coin Ar | | | | | oin An | mount 4H | | |
| | | | | | | | | | | | | | | | |
| | | | | | Fo | ollowing | g Outpu | ıts | | | | | | | |

Send Block Message

| Message Length 5H | | | | | | | | | Г Н | | | | Bl | ock | Ni | ımb | er 6 | БН | | | | | F | POS | IX | Time 8H | | | | |
|---------------------|-------------------------|-------|------|-----|-----|------|-----------|----|----------|--------------|-------|------|-------|-----|----------------------------|------|------|-------------------------------|------|------|------|------|-----|------|----|---------|--|--|----------|--|
| | | | | | | | | | Ι |) | | | | | | | | | | | | | | | | | | | | |
| POSIX Time 8H Diffi | | | | | | | cult H | ty | Nonce 8H | | | | | | | | | Previous Block Hash 64H | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Previous Block Hash 64H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Previous Block Hash 64H | | | | | | | | | | | | | | Merkle Root Hash 64H | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | N | 1erl | kle l | Roc | t H | ash | 64I | Η | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | N | A erl | kle F | Roo | t H | ash | 64F | H | | | | | | | | | | | | | action 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Trar | isaci | tion | I L | eng | th 5 | Н | | | | | | | , | Trai | nsa | ctio | n I] | Data | a (v | aria | ıble | len | gth) |) | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | N | ext | Tra | ınsa | ctic | n | | | | | | • | | | | | | | |

Error

| Length | of Mes | sage 5H | I | T 1H | Error Message in utf-8 encoding (variable length) | | | | | | | | | | |
|--------|--------|---------|---|---------|---|--|--|--|--|--|--|--|--|--|--|
| | | | | F | | | | | | | | | | | |