

Module bridge::message

Emergency op payload is just a single byte

Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8] [sender_address: byte[]] [target_chain:u8] [target_address_length:u8] [target_address: byte[]] [token_type:u8] [amount:u64]

Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8] [validator_ecdsa_addresses: byte[][]]

Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8] [new_limit: u64]

Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector] [token_type_name:vector] [token_prices:vector]

Return the required signature threshold for the message, values are voting power in the scale of 10000

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Emergency op payload is just a single byte

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[sender\_address: byte[]] [target\_chain:u8] [target\_address\_length:u8] [target\_address: byte[]] [token\_type:u8] [amount:u64]

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Emergency Op Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]
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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Token Transfer Message Format: [message_type: u8] [version: u8] [nonce: u64] [source_chain: u8] [sender_address_length: u8]
[sender_address: byte[]] [target_chain: u8] [target_address_length: u8] [target_address: byte[]] [token_type: u8] [amount: u64]

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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Token Transfer Message Format: [message\_type: u8] [version:u8] [nonce:u64] [source\_chain: u8] [sender\_address\_length:u8]  
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Emergency Op Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Emergency op payload is just a single byte

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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8]
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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
[validator_ecdsa_addresses: byte[][]]

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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Token Transfer Message Format: [message\_type: u8] [version: u8] [nonce: u64] [source\_chain: u8] [sender\_address\_length: u8]  
[sender\_address: byte[]] [target\_chain: u8] [target\_address\_length: u8] [target\_address: byte[]] [token\_type: u8] [amount: u64]

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Emergency Op Message Format: [message\_type: u8] [version: u8] [nonce: u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
[validator\_ecdsa\_addresses: byte[][]]

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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
[token\_type\_name:vector ] [token\_prices:vector ]

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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Token Transfer Message Format: [message\_type: u8] [version: u8] [nonce: u64] [source\_chain: u8] [sender\_address\_length: u8]  
[sender\_address: byte[]] [target\_chain: u8] [target\_address\_length: u8] [target\_address: byte[]] [token\_type: u8] [amount: u64]

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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
[token_type_name:vector] [token_prices:vector]

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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8]

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Emergency Op Message Format: [message_type: u8] [version: u8] [nonce: u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version: u8] [nonce: u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version: u8] [nonce: u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update Sui token message [message_type: u8] [version: u8] [nonce: u64] [chain_id: u8] [native_token: bool] [token_ids: vector]
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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8]
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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Emergency op payload is just a single byte

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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8]
[sender_address: byte[]] [target_chain:u8] [target_address_length:u8] [target_address: byte[]] [token_type:u8] [amount:u64]

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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
[validator_ecdsa_addresses: byte[][]]

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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
[new_limit: u64]

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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
[token_type_name:vector] [token_prices:vector]

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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8]
[sender_address: byte[]] [target_chain:u8] [target_address_length:u8] [target_address: byte[]] [token_type:u8] [amount:u64]

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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]
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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Token Transfer Message Format: [message\_type: u8] [version:u8] [nonce:u64] [source\_chain: u8] [sender\_address\_length:u8]  
[sender\_address: byte[]] [target\_chain:u8] [target\_address\_length:u8] [target\_address: byte[]] [token\_type:u8] [amount:u64]

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Emergency Op Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
[validator\_ecdsa\_addresses: byte[][]]

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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
[new\_limit: u64]

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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Token Transfer Message Format: [message\_type: u8] [version:u8] [nonce:u64] [source\_chain: u8] [sender\_address\_length:u8]  
[sender\_address: byte[]] [target\_chain:u8] [target\_address\_length:u8] [target\_address: byte[]] [token\_type:u8] [amount:u64]

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Emergency Op Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
[validator\_ecdsa\_addresses: byte[][]]

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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
[token\_type\_name:vector ] [token\_prices:vector ]

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[sender\_address: byte[]] [target\_chain: u8] [target\_address\_length: u8] [target\_address: byte[]] [token\_type: u8] [amount: u64]

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Emergency Op Message Format: [message\_type: u8] [version: u8] [nonce: u64] [chain\_id: u8] [op\_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
[new\_limit: u64]

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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
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Token Transfer Message Format: [message_type: u8] [version:u8] [nonce:u64] [source_chain: u8] [sender_address_length:u8] [sender_address: byte[]] [target_chain:u8] [target_address_length:u8] [target_address: byte[]] [token_type:u8] [amount:u64]

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Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8] [validator_ecdsa_addresses: byte[][]]

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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8] [new_limit: u64]

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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector ]  
[token_type_name:vector ] [token_prices:vector ]
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Token Transfer Message Format: [message_type: u8] [version: u8] [nonce: u64] [source_chain: u8] [sender_address_length: u8] [sender_address: byte[]] [target_chain: u8] [target_address_length: u8] [target_address: byte[]] [token_type: u8] [amount: u64]

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Emergency Op Message Format: [message_type: u8] [version: u8] [nonce: u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [blocklist\_type: u8] [validator\_length: u8]  
[validator\_ecdsa\_addresses: byte[][]]

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Update bridge limit Message Format: [message\_type: u8] [version:u8] [nonce:u64] [receiving\_chain\_id: u8] [sending\_chain\_id: u8]  
[new\_limit: u64]

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Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
[token\_type\_name:vector ] [token\_prices:vector ]

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Return the required signature threshold for the message, values are voting power in the scale of 10000

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Function

Emergency Op Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [op_type: u8]

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Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
[validator_ecdsa_addresses: byte[][]]

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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
[token_type_name:vector] [token_prices:vector]

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Function

Blocklist Message Format: [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [blocklist_type: u8] [validator_length: u8]
[validator_ecdsa_addresses: byte[][]]

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Update bridge limit Message Format: [message_type: u8] [version:u8] [nonce:u64] [receiving_chain_id: u8] [sending_chain_id: u8]
[new_limit: u64]

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Update asset price message [message_type: u8] [version:u8] [nonce:u64] [chain_id: u8] [token_id: u8] [new_price:u64]

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Update Sui token message [message_type:u8] [version:u8] [nonce:u64] [chain_id: u8] [native_token:bool] [token_ids:vector]
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Update Sui token message [message_type: u8] [version: u8] [nonce: u64] [chain_id: u8] [native_token: bool] [token_ids: vector] [token_type_name: vector] [token_prices: vector]

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## Function

Update asset price message [message\_type: u8] [version:u8] [nonce:u64] [chain\_id: u8] [token\_id: u8] [new\_price:u64]

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Update Sui token message [message\_type:u8] [version:u8] [nonce:u64] [chain\_id: u8] [native\_token:bool] [token\_ids:vector ]  
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