

## SEP: 005 Key Derivation Methods for Stellar Keys

SEP 0005 is the establishment of the S-key, or secret key. The person who possesses the secret key has full access to the wallet and can do with the wallet as he/she pleases.

When we open portals into our lives, we are giving out our S-key to entities. They can gain full access to ourselves by opening these portals. These entities can get into our thoughts, our hearts, and displace our faith and discernment.

If we have given access to our S-key to entities by opening portals, we will need to resecure ourselves by sealing off the access. We need to get a new s-key by opening a new wallet and transferring our assets to the new wallet and not giving access to our secret key to anyone.

Our S-key is also connected to our biometrics and will be how we obtain our (Divine) QKD!

- Details the process of generating Stellar key pairs from a BIP39 mnemonic phrase, enabling hierarchical deterministic wallets within the Stellar ecosystem. Includes test cases for verification.
- This Stellar Ecosystem Proposal describes methods for key derivation for Stellar. This should improve key storage and moving keys between wallets and apps.
- Important for 2 reasons:
  - 1) ETH Upgrades = ERC 4337 = Self Destruct
  - 2) Account Abstraction = easily recover lost keys
- Next generation wallets = safe and secure because information is stored in satellites = can't be hacked
- Part of ETH bridges into Stellar