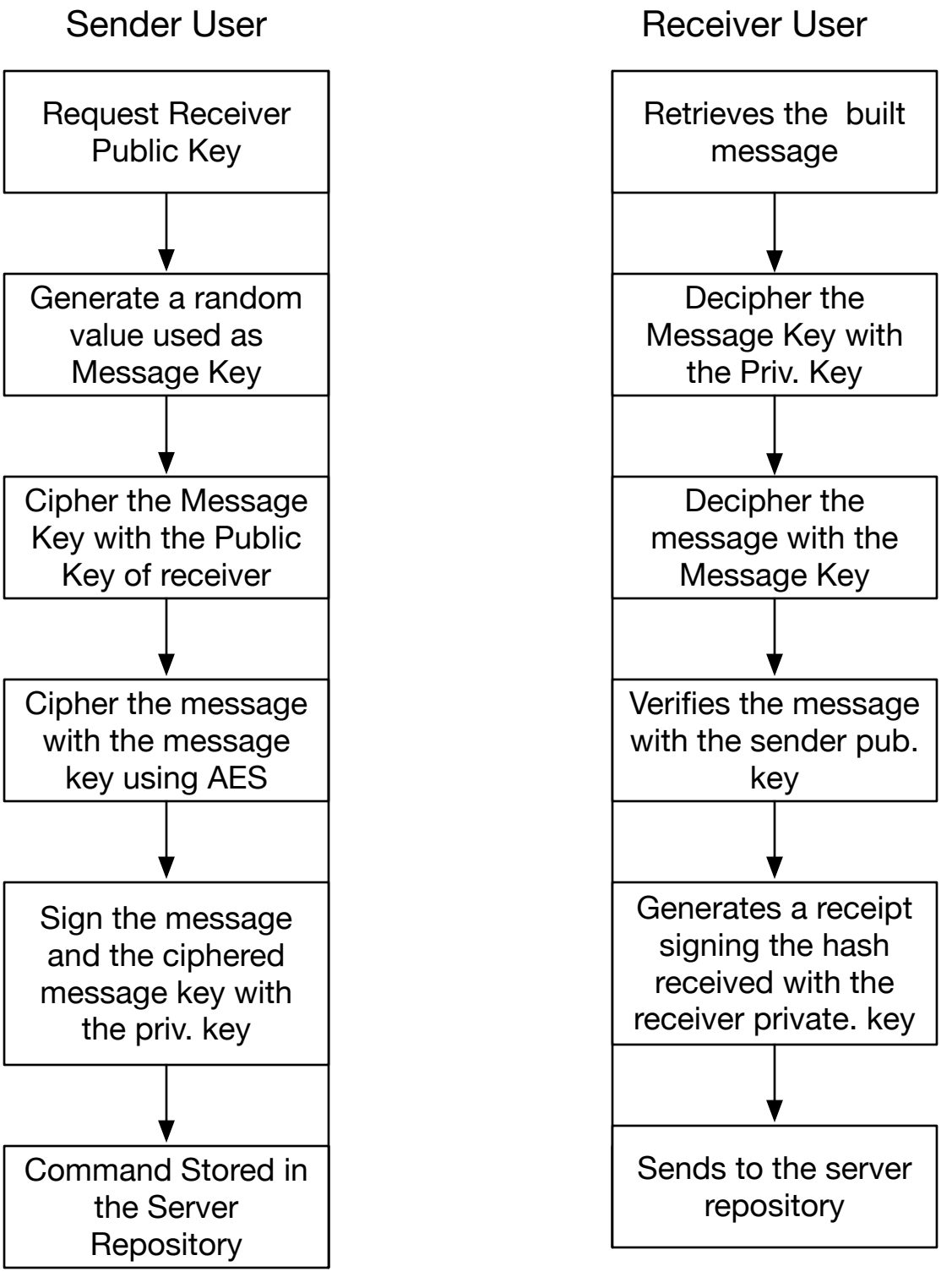
Sender User
Request Receiver Public Key
Generate a random value used as Message Key
Cipher the Message Key with the Public Key of receiver
Cipher the message with the message key using AES
Sign the message and the ciphered message key with the priv. key
Command Stored in the Server Repository
Receiver User
Retrieves the built message
Decipher the Message Key with the Priv. Key
Decipher the message with the Message Key
Verifies the message with the sender pub. key
Generates a receipt signing the hash received with the receiver private. key
Sends to the server repository