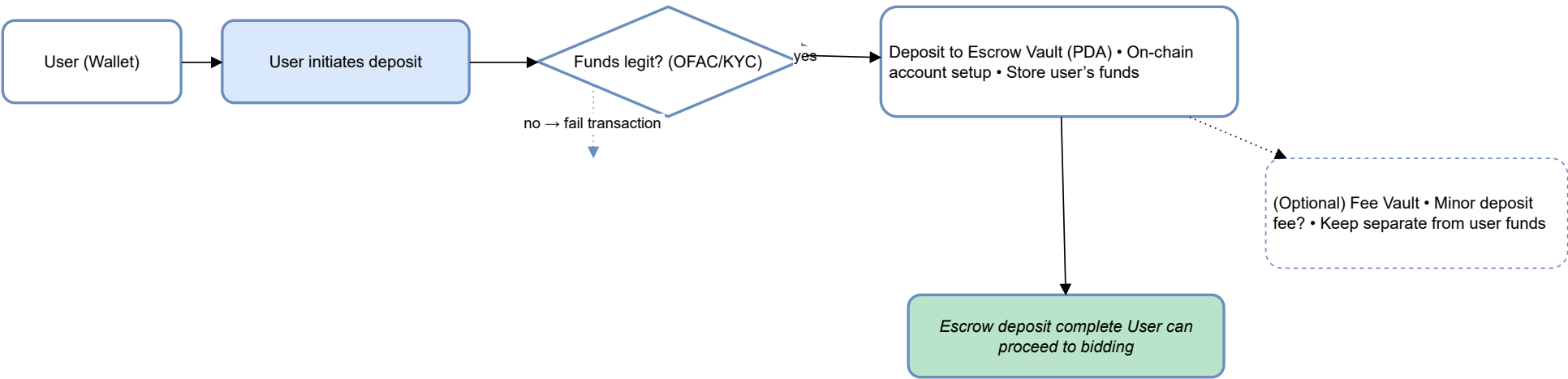


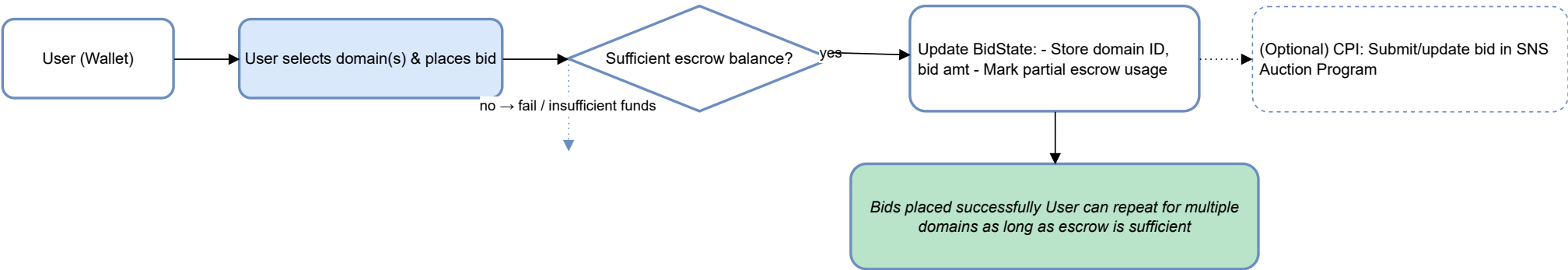
PROOF OF CONCEPT REQUIREMENTS

- (1) Deposits & Escrow The protocol shall allow a user to deposit tokens into a secure on-chain vault (PDA) to participate in auctions. The protocol shall store user funds in an isolated vault, ensuring they can be safely allocated across multiple bids.
- (2) Multiple Bids with Shared Funds The protocol shall allow a user to place several bids simultaneously using the same escrowed balance. The protocol shall prevent over-allocation by ensuring active bids never exceed the user's total escrow balance.
- (3) Automatic Bid Cancellation The protocol shall automatically cancel any other active bids using the same escrow if one of those bids is confirmed as a winning bid. The protocol shall update the on-chain BidState to reflect canceled bids and free up any unused funds in escrow.
- (4) Withdrawals & Exit The protocol shall allow a user to withdraw leftover escrow at any time, especially after auctions finish or bids are canceled. The protocol shall close or minimize the escrow account to reduce on-chain rent once the user no longer needs the funds.

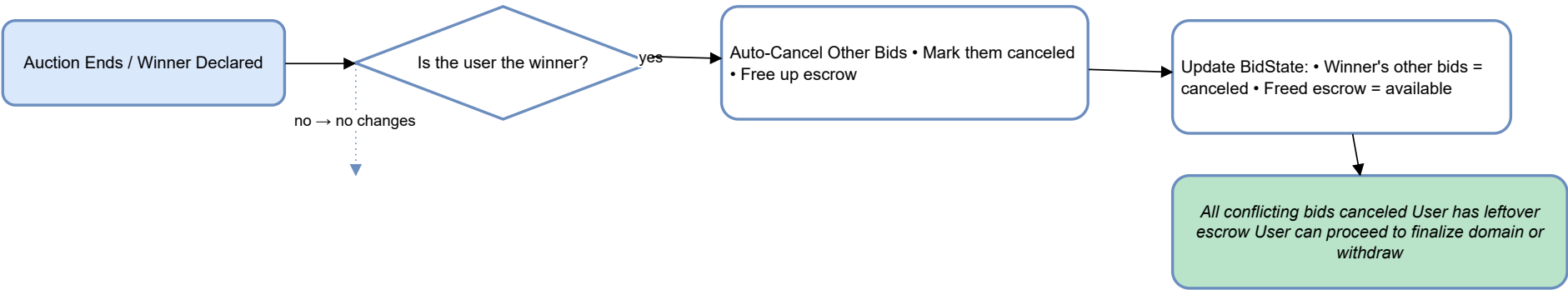
1. Deposit & Escrow



2. Multiple Bids with Shared Funds



3. Automatic Bid Cancellation



4. Withdrawals & Exit

