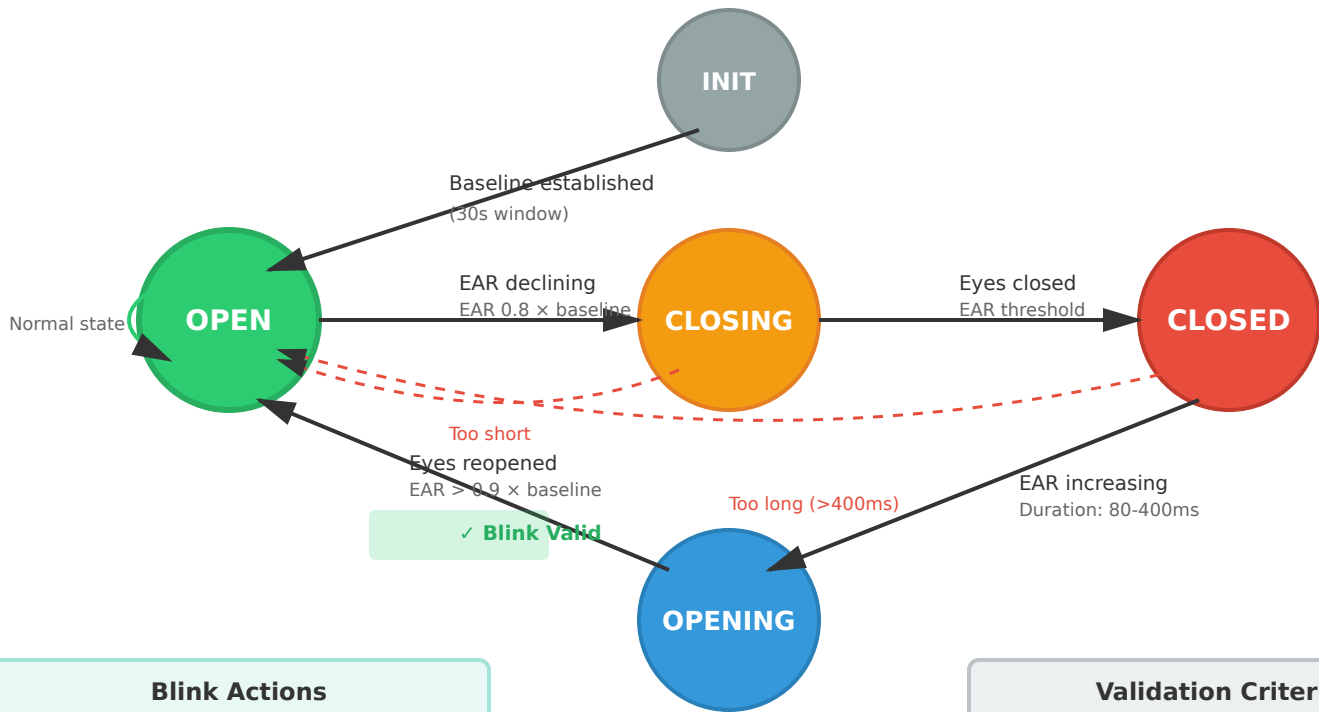


# Five-State Blink Recognition Finite State Machine



## Blink Actions

- Left eye → Left click
- Right eye → Right click
- Both eyes → No action
- Double blink → Double-click

## Validation Criteria

- Duration: 80–400 ms
- Amplitude:  $\geq 25\%$  EAR drop
- Complete closure verified
- Cooldown: 150 ms

Solid: Valid transition

Dashed: Rejection path