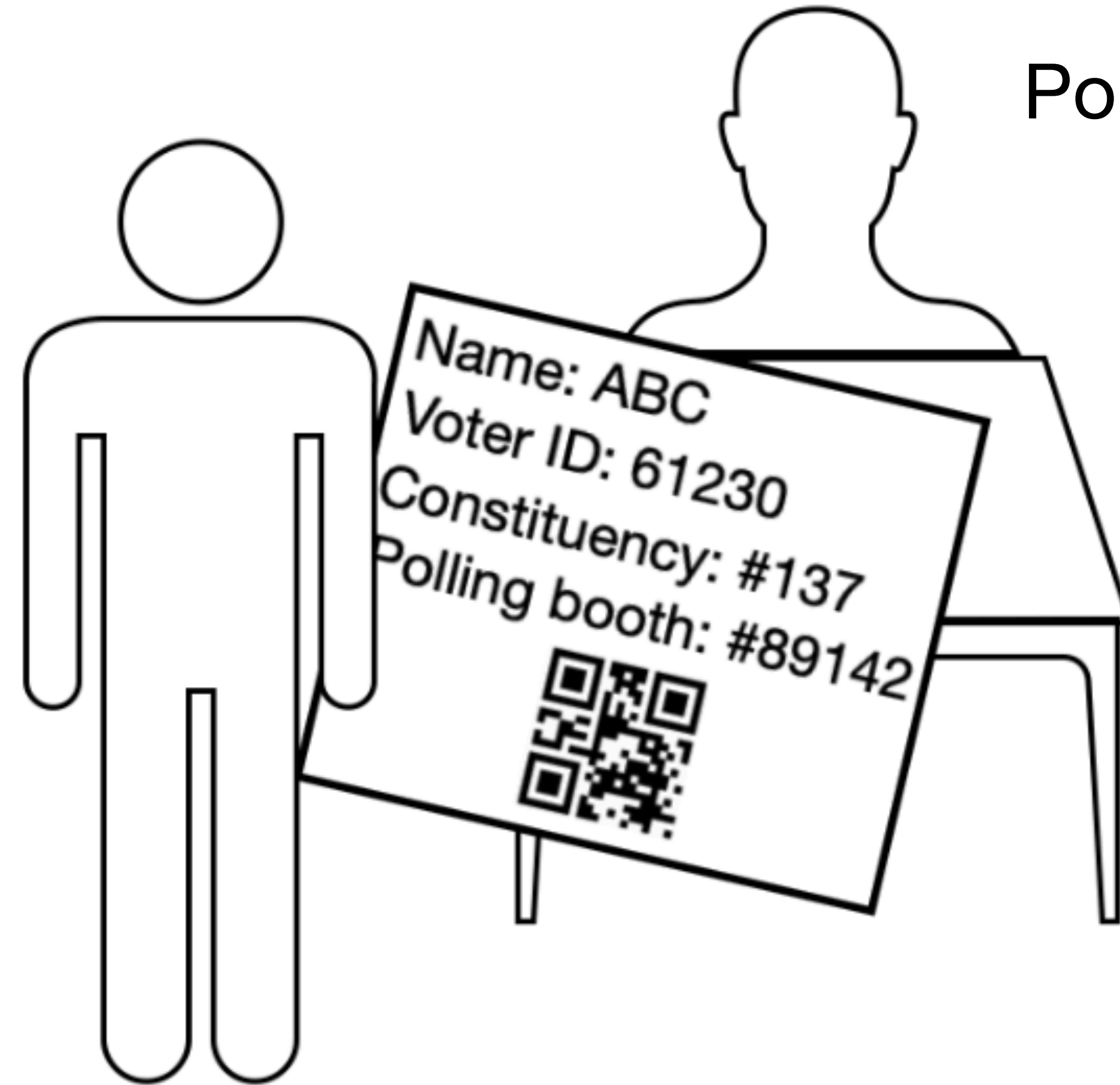


Elections

Case study

The process

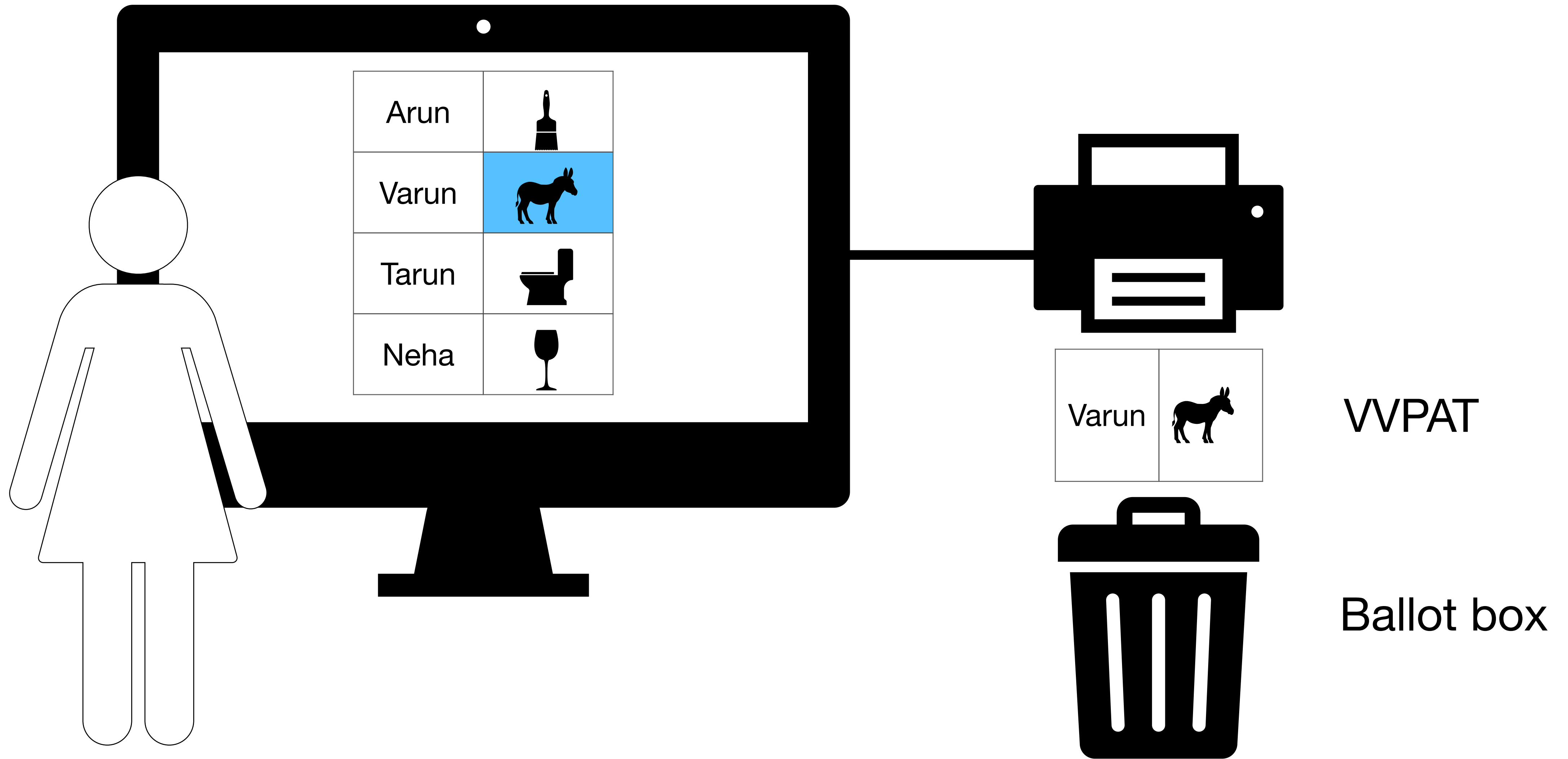
Identity and eligibility verification



Polling officer

Also polling agents

EVM + VVPAT



Voting requirements

- Correctness
 - Cast as intended
 - Recorded as cast
 - Counted as recorded
 - Only eligible voters and only 1 vote per eligible voters
 - Non-repudiation and dispute resolution
- Secrecy
 - Receipt free (voter should not be able to prove who she voted for)

Security threat analysis

Threat model

- Adversary can corrupt and control
 - An arbitrary set of polling officials
 - An arbitrary set of voters
 - Voting equipment

Voting requirements

- Correctness
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