

CS419 Virtual Election Booth

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1 Protocol

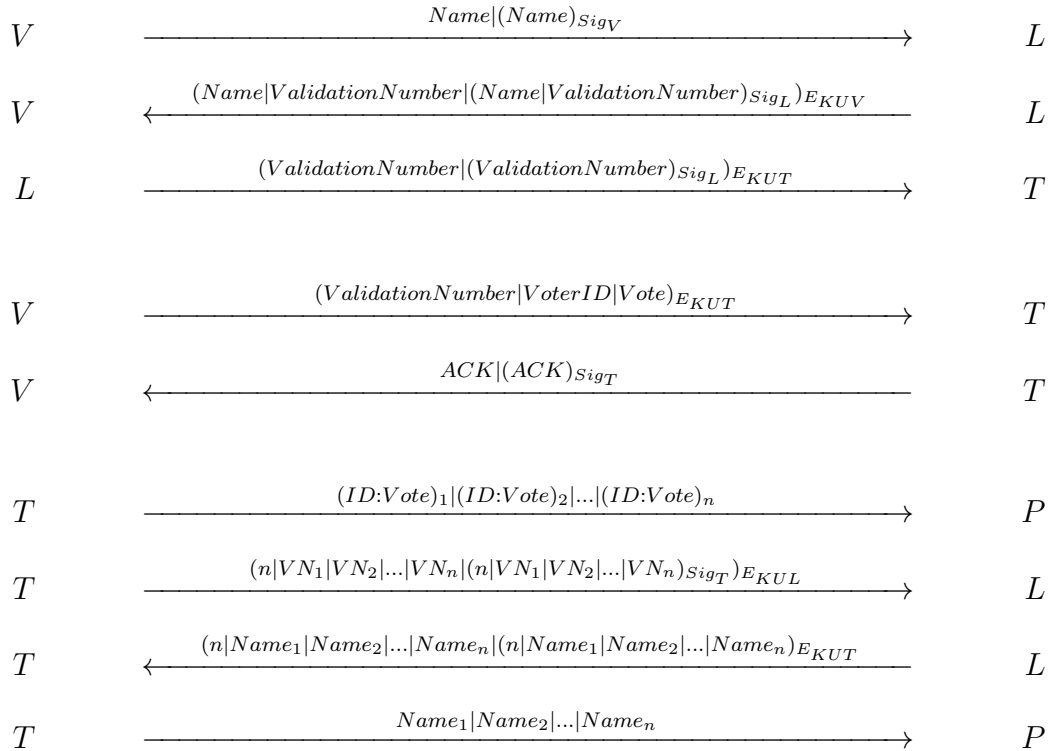
Key:

$V = \text{Voter}$

$L = \text{CLA} = \text{Central Legitimization Agency}$

$T = \text{CTF} = \text{Central Tabulation Facility}$

$P = \text{Publish}$



2 System Design

3 Security Requirements

- Only authorized voters can vote.
asdf
- No one can vote more than once.
- No one can determine for whom anyone else voted.
- No one can duplicate anyone else's votes.
- Every voter can make sure that his vote has been taken into account in the final tabulation.
- Everyone knows who voted and who didn't.