

# Voting: You Can't Have Privacy without Individual Verifiability

- Full Version: <https://hal.inria.fr/hal-01858034/document>

## Problem Statement

- Two main security goals of electronic voting
  - Vote Privacy
  - Verifiability
    - Individual Verifiability
      - a voter can check that her ballot is counted
    - Universal Verifiability
      - anyone can check that the result corresponds to the published ballots
    - Eligibility Verifiability
      - only legitimate voters may vote

## Contribution

- Privacy implies individual verifiability
- Systems without individual verifiability cannot achieve privacy