

SIV

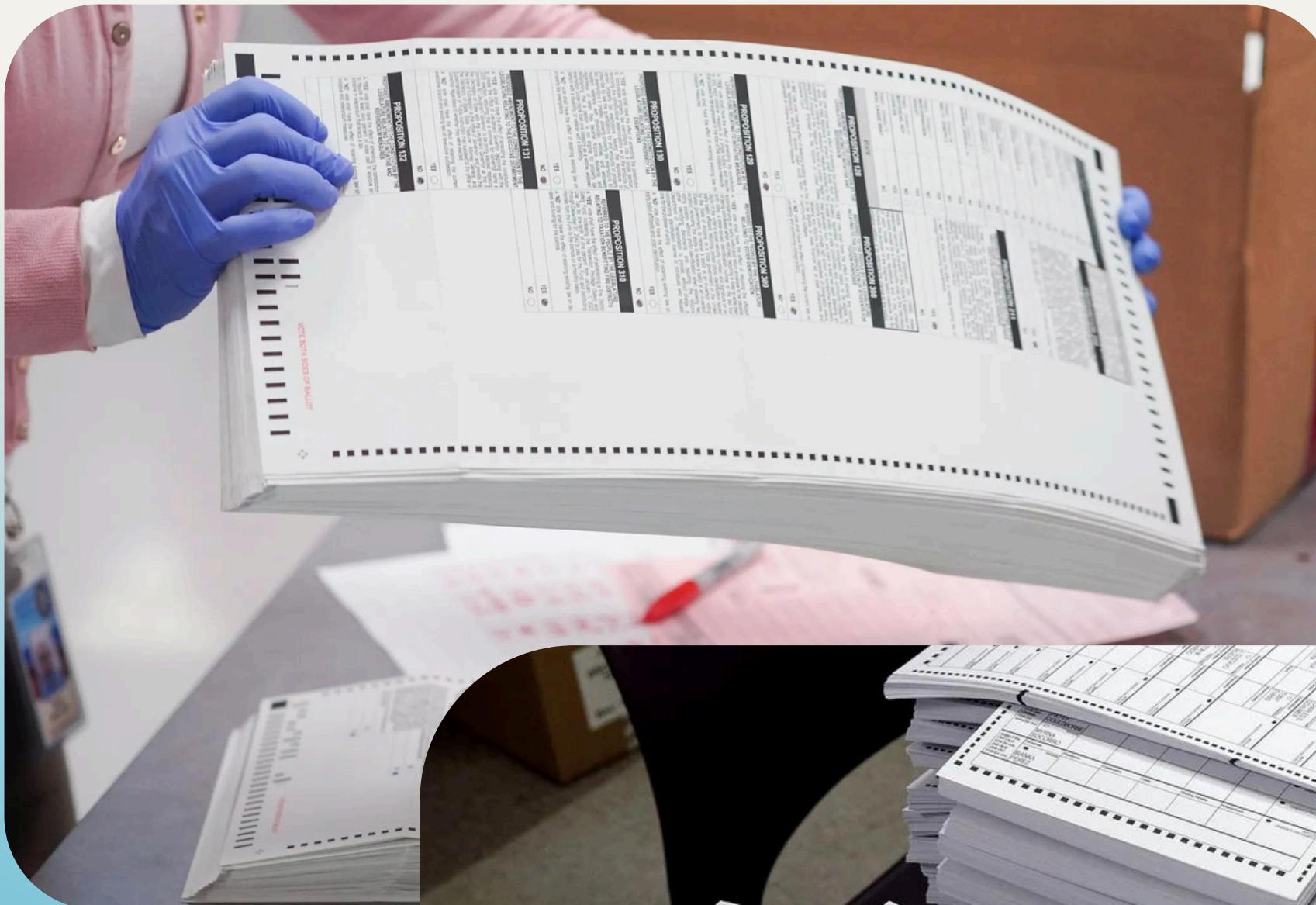
Secure Internet Voting

Easy & Verifiable Elections

August 2025

siv.org

Current Voting Infrastructure



Status Quo

Slow
Opaque
Inefficient
Expensive



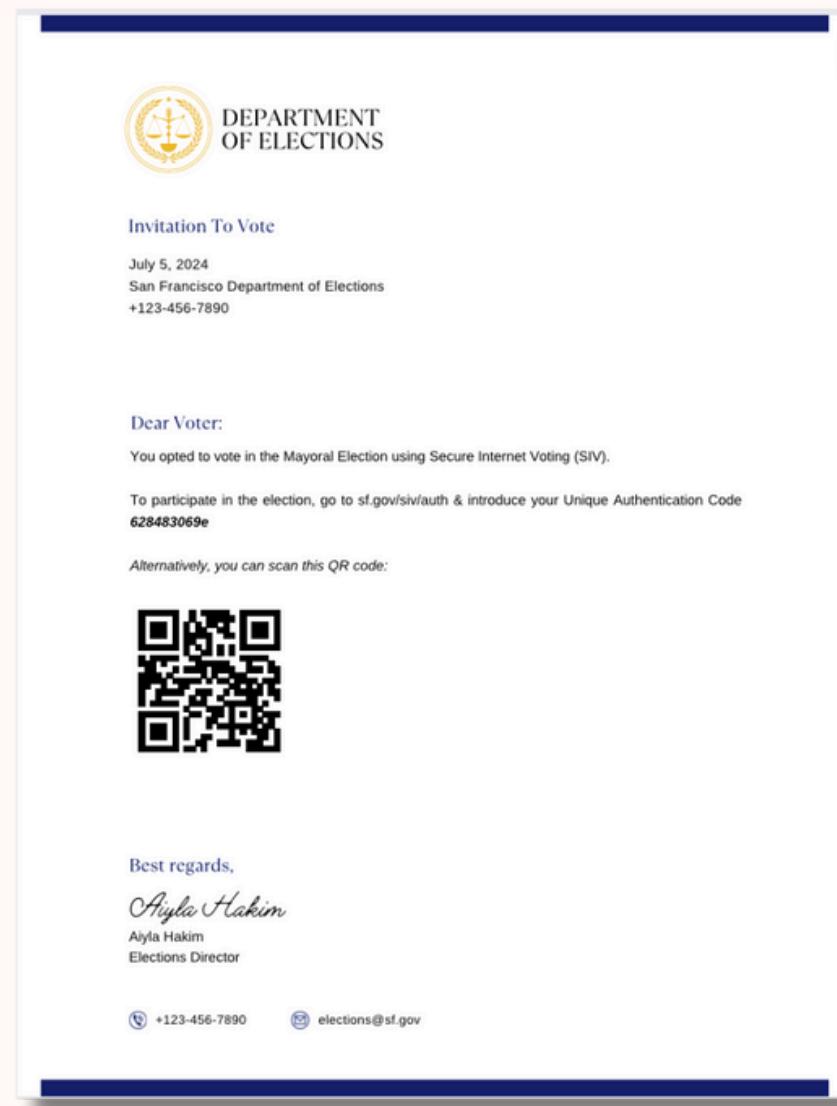
SIV

People want a democracy that's easy to engage in & truly representative.

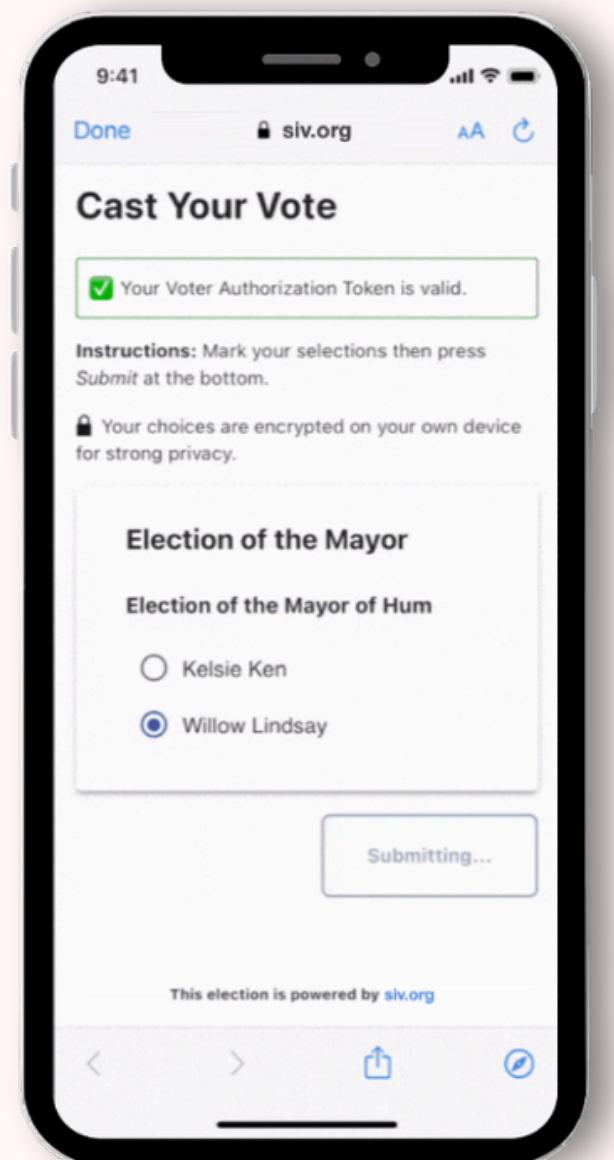


SIV

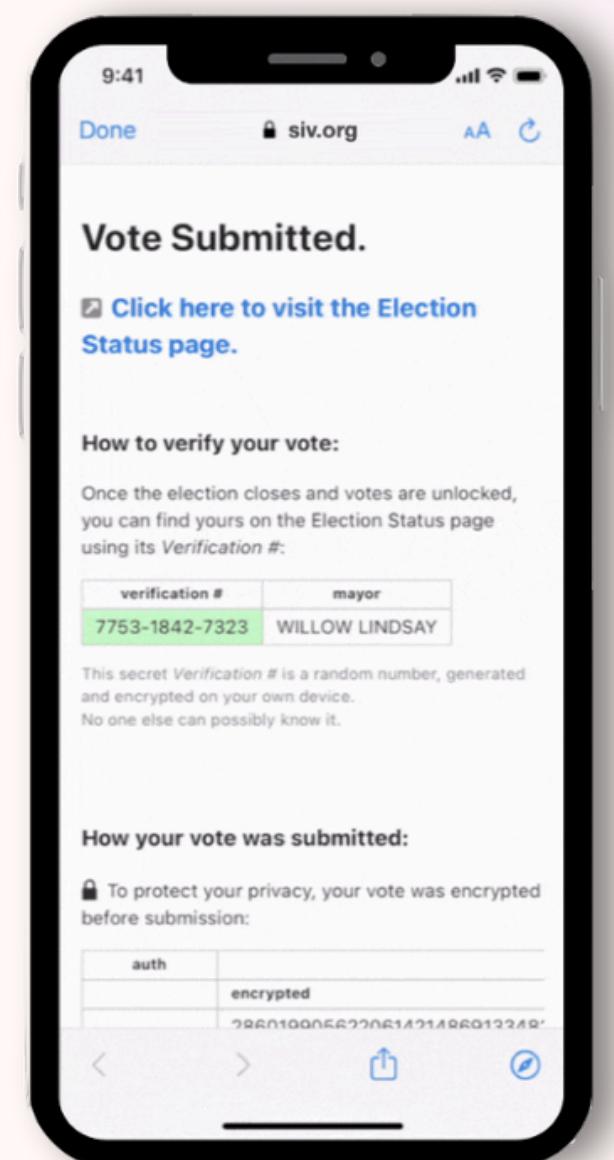
Secure Internet Voting



1. Receive Vote Invitation



2. Cast Your Vote



3. All Done

Secure Internet Voting

Benefits

Election
Administrators

Easier & Cheaper

Meet Voters' Desire for Easy &
Verifiable Voting

Can Prove Election Integrity

Unlocking New Possibilities



Widely Accessible

Anyone can vote using their preferred device from the comfort of their home.



Private

SIV's privacy is designed strong enough to work even in authoritarian regimes where safety is crucial.



End-to-End Verifiable

Everyone, including voters, can verify if election processes & results are accurate.

US-Government Elections

3,000+ voters used SIV in private elections run by govt officials.
30,000+ selections were made.

Incl. SIV used to elect Utah Congressional Representative and State & Local Leaders

Private Verification Numbers

Voters can personally verify their vote is in the final tally & recount all votes

docs.siv.org/verifiability/personal-vote

Anti-Malware Codes

Proof that a voter verified, even against on-device malware

docs.siv.org/verifiability/proving-verification

Authentication Tokens

One per vote: auditable, revocable, and re-issuable at any time, even after voting

docs.siv.org/technical-specifications#a-compile-voter-roll

SIV

Unique Solutions

Risk Limiting Audits

Ultra high-efficiency ballot sampling for confident results

docs.siv.org/verifiability/rla

"Vote Seller's Dilemma" & "Overrides"

Destroy trust between potential vote buyers and sellers

docs.siv.org/research-in-progress/vote-sellers-dilemma

blog.siv.org/2025/08/overrides

SIV Cryptographic Shuffle

Verifiable vote anonymization

docs.siv.org/technical-specifications#voting-period-ends

Layered Authentication

Ten widely used identification options, offering strictly higher security than paper voting

docs.siv.org/authentication#authentication-methods

Enhanced Spoiler-Resistant Voting

Eases adoption of voting methods like Ranked Choice and Approval, removing polarizing binary constraints

docs.siv.org/benefits#6-spoiler-resistant-voting-methods

SIV

Once People Try SIV Even Skeptics Turn Into Supporters

*“The most seamless
election ever”*

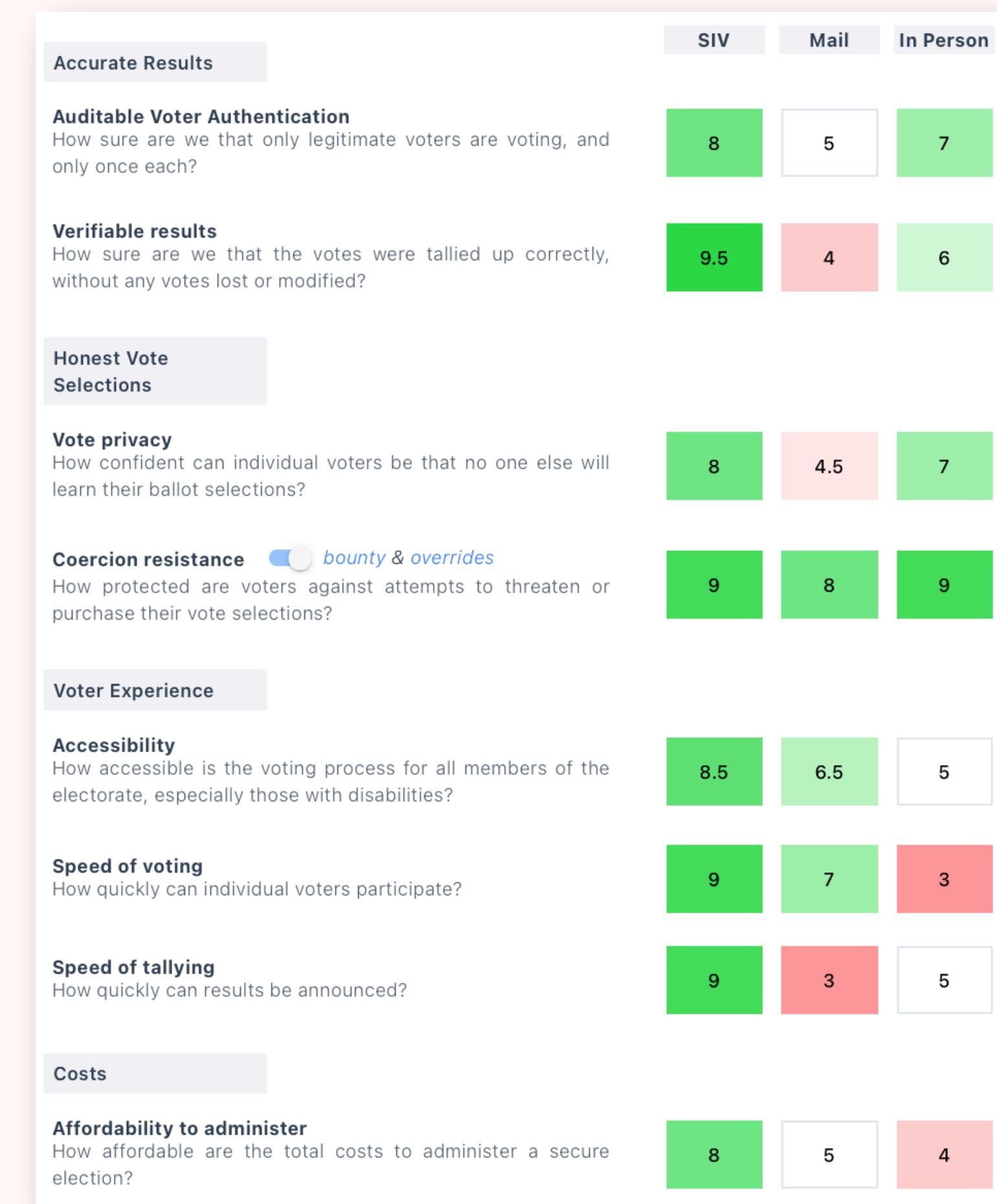
Voter in Govt Caucus Election

*“We’ve all become
poll watchers now”*

Voter in Nominating Congressional Election

SIV compared to other voting methods

docs.siv.org/compare



Useful Resources

- DEF CON 2024 Security Report: hack.siv.org/reports/2024defcon
- Illustrated Guide to The SIV Protocol: siv.org/protocol
- SIV Documentation: docs.siv.org
- Past Elections: blog.siv.org
- Contributors & Research Papers: siv.org/about
- Contact: team@siv.org

Democracy is not a spectator sport, it's a
participatory event. If we don't participate in it,
it ceases to be a democracy.

– Marian Wright Edelman