

# Consensus Report on End-to-End Verifiable Internet Voting

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and many, many others

# Internet Voting

There is a big push in the U.S. and many parts of the world to move to Internet voting...

... but there are substantial risks.

# End-to-End Verifiable Voting

Our community has developed methods of “E2E-verifiable” voting which allow integrity to be verified even amidst untrusted entities.

# U.S. Vote Foundation Project

Several dozen cryptographers, security experts, election officials, and advocates came together to explore the viability E2E-verifiable Internet voting.



Set Up Election



Distribute Ballots

Cast Votes as Intended



Record Votes as Cast

Count Votes as Recorded



Verify Votes Recorded as Cast



Announce Results



Allow Public to Verify Tally



# THE FUTURE OF VOTING

## END-TO-END VERIFIABLE INTERNET VOTING

### SPECIFICATION AND FEASIBILITY ASSESSMENT STUDY

A PROJECT OF **U.S. VOTE FOUNDATION**  
WRITTEN AND PRODUCED BY **GALOIS**



# Principal Conclusions (1)

“Any public elections conducted over the Internet must be end-to-end verifiable.”

# Principal Conclusions (2)

“No Internet voting system of any kind should be used for public elections before end-to-end verifiable in-person voting systems have been widely deployed and experience has been gained from their use.”

# What's Next?

- More work needs to be done.
- This report serves as both a gateway and a path forward.
- See [www.usvotefoundation.org/E2E-VIV](http://www.usvotefoundation.org/E2E-VIV).