


# PROOF **Your Vote Counted**

A blurred photograph showing a person from behind, standing at a voting machine in a dimly lit room. The person is wearing a dark jacket. The background is out of focus, showing other people and the interior of the voting booth.

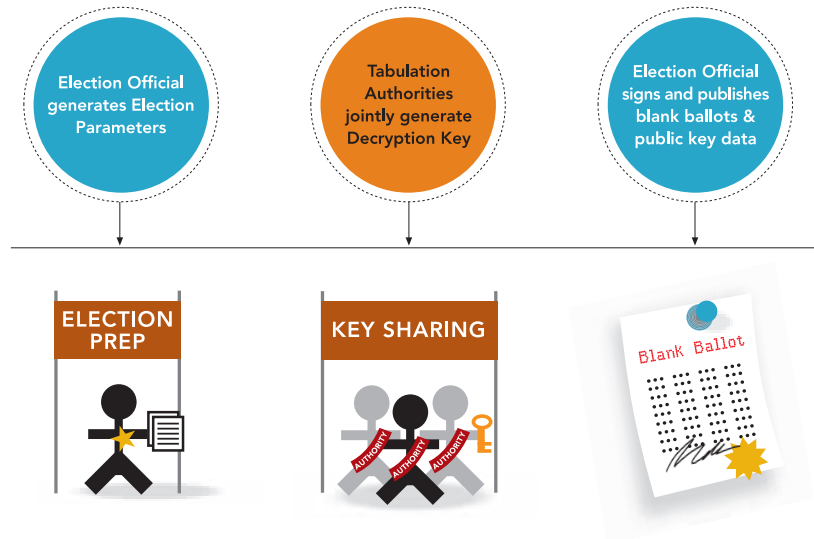
For the first time ever, you can have end-to-end voter verification and give your voters high confidence in election results.

## VHTi™ proves election results are valid.

VHTi is voter verified audit technology that works inside any electronic voting machine. VHTi gives voters a voter-verified receipt to check that their vote was properly counted while maintaining ballot secrecy. And VHTi is more than just a piece of paper. It enables a meaningful and transparent audit trail that lets anyone independently verify the election results.



## Pre-Election



## HOW VHTi Enables Confidence in Elections

### BENEFIT

Voters get proof that their vote was counted properly.

The public is confident in the accuracy of election results.

Election officials get extremely high accuracy of results.

Operational advantages of electronic voting are retained while avoiding the costs and pitfalls of paper ballots.

### HOW VHTi DOES IT

Voters can get an optional voter-verified receipt that proves their vote was counted properly in the final results while maintaining ballot secrecy.

VHTi enables a meaningful and transparent audit of the election results. The Election Transcript™ is published for public scrutiny and can be checked by anyone. Because results are checked independently, the need to trust election systems and procedures is reduced.

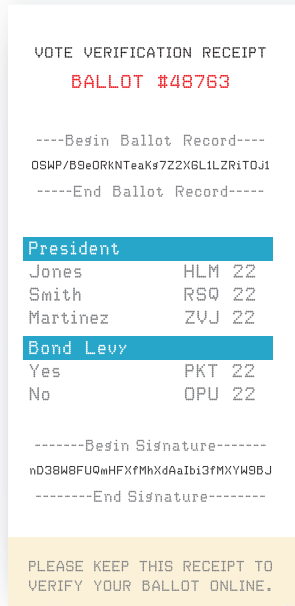
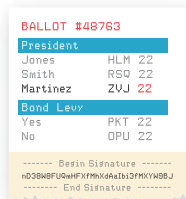
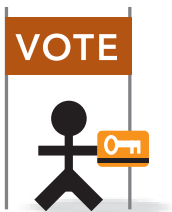
With VHTi's Election Transcript, election results are verifiable down to a single vote, and problems can be traced anywhere in the process.

A meaningful and transparent audit trail replaces paper ballot handling and recounts, with only a few additional operational steps. Voter participation is optional. Accessibility benefits of electronic voting are fully retained.

## Election

Voter votes as he/she would normally on a voting machine

Voters can choose to create a detailed receipt to verify after the election



VOTER VERIFIED RECEIPT



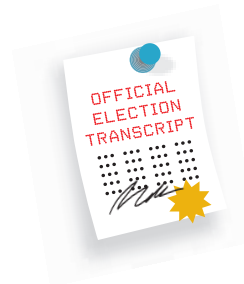
Voter Confidence

## Post Election

Authorities shuffle & decrypt ballots into plain text anonymous ballots

Election Official publishes Verification Statement & Election Transcript

After the election, Voter verifies receipt via web or phone



INDEPENDENT AUDIT OF THE ELECTION TRANSCRIPT



Results Confidence



### Why is end-to-end voter verification important?

Today, our election systems rely mostly on procedural safeguards to protect election integrity. Until now, voters have had no way to know if their vote was counted properly in the final election results.

With VHTi, voters are given the option to verify that their vote was counted properly in the final election results. VHTi's voter verified receipt and transparent audit trail prove that every vote counted and that election results are accurate.

### Why should I trust the technology inside VHTi?

VHTi does not rely on **securing** voting machines and other computer systems. Instead, VHTi relies on **detecting** fraud and mistakes by enabling a meaningful and transparent audit trail with a publicly published Election Transcript. Anyone interested in validating the election results can perform an audit of the Election Transcript. This transparent independent audit reduces the need to trust election equipment and procedures.



### How does VHTi work?

VHTi uses mathematics to check that each vote was counted properly in the final election results. The votes are encrypted using VHTi before entering the ballot box. At the time of counting, VHTi shuffles and decrypts all the votes. VHTi guards these votes with carefully designed math equations that manage the entire vote data process. These equations can detect any changes in the data from the time of voting through the time the final results are tabulated. If even a single vote is changed, an alarm is sounded and the problem is traced to its source. The equations at the heart of VHTi are publicly available for independent review.



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