Post-Election STAR-Vote Protocol

Controller/Judge's Station

1. election officials export receipts of submitted ballots and encrypted ballots

2. election officials convey electronic records and paper records separately to central location

paper ballot

4. election authority publishes receipts of entire election to public bulletin board

Election Public Bulletin Board

receipts for cast ballots
receipt
receipt
receipt
...
final results

7. learn which ballots must be included in tally

Independent Observer

8. check that all spoiled ballots are correctly decrypted

Independent Verifier

10. perform risk-limiting audit of election

9. homomorphically tally all ballots

Tally System

Auditor

Election Authority

3. election officials combine all receipts for entire election

5. voter optionally verifies that their (spoiled and cast) receipt(s) is/are on list

6. voter optionally checks that decryption of spoiled ballot matches expectations

Voter

receipt

Election Authority

11. checks that all verification is consistent

12. announce results

Election Authority