Election administration, auditing / observation, and archiving occur in parallel.

Top level

Administer elections
Audit / observe elections
Archive

Administer elections

Prepare for election

Voter lists, ballot forms, equipment and software

Prepare for voting (precinct)
Prepare for voting (central)
Gather absentee / remote votes

Gather in-person vote
Count (precinct count)

[Precinct count]

Includes early voting

The multiplicities 0.*, 0..* or 1.* indicate that many instances of an activity may occur simultaneously.

Ballots, ballot images and/or machine totals

Wrap up voting (precinct)

Counts

Wrap up election

Lessons learned

Rev. 2005-02-23
Prepare for election

1. Define precincts
2. Maintain equipment in storage
3. Procure equipment

- [Need new equipment]

Precinct definitions

Train poll workers

Register voters

Program election

Voter lists

Election definition

Prepare ballots

Ballot forms

[Centrally programmed ballot forms]

[Paper ballots]

Configure & calibrate precinct equipment (central)

Produce ballots

Ballots

Educate / notify / inform voters

Test precinct equipment (central)

Equipment [configured]

Transport equipment

Equipment [tested]

Equipment [deployed]
Gather in-person vote

Voter

- Present credentials

Poll worker

- Check identity of voter
- Check voter eligibility
- Update poll book
- Issue ballot or provisional ballot
- Provide private voting place

Ballot [blank]

- Mark ballot [Fleeing voter]
- Review ballot [Not fleeing voter]
- Spoil ballot [DRE]
- Spoil ballot [Paper]

Present / submit ballot

Ballot [completed]

- Validate ballot [Not OK] [Try again]
- Accept ballot [OK]

Ballot [accepted]
Absentee / remote ballots are handled here as a separate precinct.

Wrap up voting (precinct)

- Close polls (including absentee / remote voting)

  - Ballots, ballot images and/or precinct totals [unvalidated]
    - Validate counts (precinct)
      - Diagnose and correct problem (precinct)
      - [Invalid]
    - Deliver / transmit ballots, ballot images and/or precinct totals to central
  - Ballots, ballot images and/or precinct totals [validated]
  - Reports

Ballots, ballot images and/or precinct totals [validated]
Wrap up voting (central)

Ballots, ballot images and/or precinct totals
[validated]

Count (central)

Counts [unvalidated]

[Invalid]

Validate counts (central)

Diagnose and correct problem (central)

Counts [validated]

Report [Recount]

Reports [Accepted]

Certify final counts

Counts [Certified]
Audit / observe elections

- Involve independent observers
- Conduct official audits
- Conduct personnel checks
- Conduct equipment checks
- Conduct procedural checks

**Procure equipment**
- Specify requirements
- Select vendors and equipment
- Conduct certification testing
- Conduct acceptance testing

**Prepare ballots**
- Define regular ballots
- Define provisional ballots
- Define absentee / remote ballots
- Ballot forms

- Produce ballots is analogous

**Prepare for voting (precinct)**
- Set up polling place
- Set up precinct equipment (precinct)
- Configure & calibrate precinct equipment (precinct)
- Test precinct equipment (precinct)
- Reports
- Open poll

**Prepare for voting (central)**
- Set up central equipment (central)
- Configure & calibrate central equipment (central)
- Test central equipment (central)
- Reports
Conduct post-mortem

Analyze election results
Lessons learned
Refine needs and requirements

Make revisions / changes to existing hardware, software, processes, procedures, and testing

Wrap up election

Deactivate equipment
Conduct post-mortem

Register voters

Registration database [original]
Register new voters
Update voter information
Purge ineligible, inactive, or dead voters
Registration database [updated]
Generate voter lists
Voter lists

Deactivate equipment
Purge ineligible, inactive, or dead voters

Conduct post-mortem

Analyze election results
Lessons learned

Refine needs and requirements