



# Secretary of State

*Kim Wyman*

## Presidential Primary Advisory 2020 #06

### Logic and Accuracy Testing

January 21, 2020

Rules for testing election tabulation systems for other elections also apply to the Presidential Primary. Testing must demonstrate:

- The system correctly logs votes cast for every ballot tabulated.
- Votes cast for individual candidates tally correctly.
- Write-in votes, overvotes, and undervotes are recognized and recorded.
- Testing meets all requirements of [WAC 434-335-323](#) and [WAC 434-335-330](#).
- Test logically represents the election and accurately records votes according to the test plan.

### How does the Presidential Primary Logic and Accuracy test differ?

Primary results must be reported by precinct. The Presidential Primary only uses one ballot style so the L&A test needs to include ballots from more than one precinct.

- The test requires two test decks—one deck for the Democratic Party and one deck for the Republican Party.
- The Secretary of State asks that ballots from twenty (20) precincts be included in each deck. Counties with fewer precincts should test all precincts.

### Logic and Accuracy Materials

1. Prepare the Presidential Primary logic and accuracy test matrix as if you have two separate elections, one for each political party.
2. Create separate decks for the Democratic Party and the Republican Party. Select 20 precincts to include in the test. Fill in the test matrix (attached) with those precinct names/numbers. Test all precincts if you have fewer than 20 precincts.

3. Use at least one of each type of ballot in your test deck, such as ballots printed on demand, alternative language ballots, electronically marked ballots, and electronically duplicated ballots.
4. Following the matrix pattern, mark votes for only one party on each ballot to create a party-specific test deck.
  - a. Mark the first response for the first candidate on a ballot from each test precinct.
  - b. Mark the second response for the second candidate on two ballots.
  - c. Mark the third response for the third candidate on a total of three ballots.
  - d. Continue to mark responses as indicated on the test matrix, until all candidates on the party ballot have unique responses.
  - e. Mark a ballot as over-voted for that party.
  - f. Mark a ballot with a write-in response for that party.
5. On a separate set of ballots, repeat steps 2-4, marking the test deck for the other party.

Cross-party and both-party ballots must be handled manually even if your tabulation system identifies these ballots. Do not include a cross-party or a both-party ballot in your test deck. Remember: these ballots must be sent to the canvassing board for rejection. ([WAC 434-219-235](#))

## Testing

Pretest your programming in advance of conducting the official test. ([WAC 434-335-275](#))

The official L&A must test every ballot tabulator or scanner used in the Presidential Primary. If you add additional tabulators or scanners after the official L&A, use the emergency L&A test procedures. ([WAC 434-335-310](#))

Concurrent elections may require you to toggle between the programming of the February Special Election, March Presidential Primary, and April Special Election.

## Accessible voting units

Counties must test accessible voting units (AVU) before the units can be used for marking or casting ballots. Counties must complete AVU testing 18 days before the primary. If the official L&A occurs before AVUs are tested, County Auditors must send a copy of the completed AVU test log and addendum to [CTsupport@sos.wa.gov](mailto:CTsupport@sos.wa.gov) no later than February 21, 2020. ([WAC 434-335-520](#))

Ballots cast on direct recording electronic voting devices (DREs) must match the signed political party declaration.

[WAC 434-219-200](#) prescribes a choice of two methods for confirming that a voter votes the declared party on a DRE:

1. Designate a DRE for each political party. Verify the corresponding party ballots cast on each device match the declared party.  
OR
2. Program a single DRE with all political party ballots. Keep voters' signed political party declarations in order of voting. Compare the party declarations to the party voted on the voter verified paper record. If any ballot fails to correspond with the voter's declared party:
  - a. Separate each printed ballot record and place each in a security envelope.
  - b. Place the associated political party declaration with the security envelope into an outer mailing envelope.
  - c. Send the questionable ballot to the Canvassing Board for consideration. Process remaining ballots in the same manner as electronically returned ballots.

For counties wishing to use another method not prescribed above, contact the Secretary of State's Office for prior approval.

### Assistance

The Secretary of State representative attending your county logic and accuracy test is available to answer any questions about Presidential Primary processing, tabulation and certification requirements.

Visit our website for the Presidential Primary Advisory Program and to see the most recently updated [Resources & Training Materials](#). If you have questions about programming or testing Presidential Primary ballots, please contact the Certification and Training Program at (360) 902-4180 or [CTsupport@sos.wa.gov](mailto:CTsupport@sos.wa.gov).

### Democratic Matrix

Ballot	Ballots Needed	Totals																			
		PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20
Michael Bennet	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Joseph R Biden	2																				
Michael Bloomberg	3																				
Cory Booker	4																				
Pete Buttigieg	5																				
John Delaney	6																				
Tulsi Gabbard	7																				
Amy Klobuchar	8																				
Deval Patrick	9																				
Bernie Sanders	10																				
Tom Steyer	11																				
Elizabeth Warren	12																				
Andrew Yang	13																				
Uncommitted Delegates	14																				
Write-in	1																				
Over-Vote	1																				
Blank Ballot	1																				

### Republican Matrix

Ballot	Ballots Needed	Totals																			
		PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20
Donald J Trump	20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Write-in	1																				
Over-Vote	1																				
Blank Ballot	1																				

Precinct	PCT 1	PCT 2	PCT 3	PCT 4	PCT 5	PCT 6	PCT 7	PCT 8	PCT 9	PCT 10	PCT 11	PCT 12	PCT 13	PCT 14	PCT 15	PCT 16	PCT 17	PCT 18	PCT 19	PCT 20
Total ballots needed by PCT	112	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

Total ballot count 150

## DRE

### Democratic Matrix

Ballot	Ballots Needed	Totals		
		PCT 1	PCT 2	PCT 3
Michael Bennet	3	1	1	1
Joseph R Biden	2			
Michael Bloomberg	4			
Cory Booker	5			
Pete Buttigieg	6			
John Delaney	7			
Tulsi Gabbard	8			
Amy Klobuchar	9			
Deval Patrick	10			
Bernie Sanders	11			
Tom Steyer	12			
Elizabeth Warren	13			
Andrew Yang	14			
Uncommitted Delegates	15			
Write-in	1			
Blank Ballot	1			

### Republican Matrix

Ballot	Ballots Needed	Totals		
		PCT 1	PCT 2	PCT 3
Donald J Trump	3	1	1	1
Write-in	1			
Blank Ballot	1			

Precinct	PCT 1	PCT 2	PCT 3
Total ballots needed by PCT	122	2	2

Total ballot count 126