



ELECTIONS OFFICE OF THE REGISTRAR OF VOTERS

Public Logic and Accuracy Testing

PROCEDURE DOCUMENT – Version 1.0

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Public Logic and Accuracy Testing

Scope

Logic and Accuracy Testing (L&A or LAT) involves several tests to be run on the Image Cast Central (ICC) Hi-Pro and Canon workstations. These tests include the utilization of LA5 test ballots, Ballot Marking Device (BMD) ballots, and ballots printed on the Mobile Ballot Printer(s) (MBP). The testing is performed prior to reading official ballots, to ensure that all ballots are tabulated correctly into the appropriate counting groups; Designated Mail Ballot Precinct (DMB), Mail Ballot (MB), Polling Place (PP), and Provisional (PV).

Expected Results

Logic and Accuracy (LA5) Test Ballots

The Logic and Accuracy (LA5) test ballot file of ballots and expected results are created from the Image Cast application using the final election database for the specific election we are testing. The LA5 test ballot file is then sent to the ballot printing vendor to print the LA5 test ballots. The ballot printing vendor sends the LA5 printed test ballots to the San Bernardino Registrar of Voters (ROV) office.

For polling place elections, the LA5 ballot types that are assigned to a designated mail ballot precinct are scanned in the DMB counting group. The LA5 ballot types that are not assigned to a designated mail ballot precinct are scanned to the MB counting group.

For mail ballot elections, all LA5 test ballots are scanned in the MB counting group.

Mobile Ballot Printer (MBP) Ballots

One ballot for each ballot style is printed across the multiple MBPs and are randomly marked by staff. The results are tallied manually and recorded in the Logic and Accuracy expected results.

Ballot Marking Device (BMD) Ballots

A random BMD activation code list is prepared by ROV staff. The public is then invited to test vote on the BMD(s). The ROV staff enters the ballot activation code on the BMD for the test voting session. The public test votes each BMD activation code on the prepared list for the specific election.

Adjudication

Ballots that are scanned that have one or more of the following conditions are sent to the Image Cast Adjudication process:

- Over voted contest (contest selections exceed “vote for”)
- All contests’ selections are blank.
- Write-in selected for a contest.
- Stray marks
- Ambiguous marks (Selection does not meet percentage of threshold 5% - 25% of voting target)

Public Logic and Accuracy Testing Overview

1. Review the agenda with the observers.
2. The observers sign in on the sign in sheet.
3. We explain that we need observers to commit to also being participants that will be staying through the entire Public L & A process, as they will be requested to perform verification and sign the certification at the end of this process.
4. We describe to the public the different sources of ballots for the election which can include the LA5, the MBP and the BMD ballots in the Public L & A testing. Expected results are then reviewed and the LA5 ballot marking pattern is explained.
5. We describe to the public the ICC ballot scanners that will be utilized in the specific election. The ICC ballot scanner(s) which can utilize 1 – 4 counting groups: polling place, mail ballot, designated mail ballot and provisional.
6. Describe to the observers how the precincts reporting (X of Y) is triggered for each contest. The polling place and designated mail ballot counting groups trigger X of Y.
7. We explain to the public that all results for the tally server and scanning devices have been zeroed out.
8. We then produce and print the zero-election summary report. The election summary report is verified and signed off by the participants.

Designated Mail Precinct (DMB) Counting Group

For polling place elections, the LA5 test ballot types that are assigned to a DMB precinct will be scanned into the ICC ballot scanner, DMB counting group. Because these precincts are not assigned a polling place, if a DMB precinct ballot is scanned, it will trigger the X of Y precincts reporting for each contest where the DMB precinct is assigned.

1. Read the LA5 DMB ballot types into the ICC ballot scanner, DMB counting group.
2. Adjudication is not performed on these ballots for the L & A testing.

For mail ballot elections, there will not be a DMB counting group.

Mail Ballot (MB) Counting Group

For polling place elections, the LA5 test ballot types that are not assigned to a DMB precinct will be scanned into the ICC ballot scanner, MB counting group.

1. Scan the LA5 test ballots into the ICC ballot scanner, MB counting group.
2. Adjudication is not performed on these ballots for the L & A testing.
3. Print a combined election summary report of both DMB and MB counting groups and the participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.

For mail ballot elections, all test ballots are read into the ICC ballot scanner, MB counting group.

1. Scan the LA5 test ballots into the ICC ballot scanner, MB counting group.
2. Adjudication is not performed on these ballots for the L & A testing.
3. Print the election summary report. Participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.
If Mobile Ballot Printers are being utilized for the specific election the MBP test ballots will also be scanned into the ICC ballot scanner, MB counting group.
4. **Scan the MBP test ballots into the ICC ballot scanner(s), MB counting group.**
5. **Adjudication will be performed on these ballots for the L & A testing. (If write-ins and blank ballots are included)**
6. **Print an election summary report. Participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.**
7. Observers test vote on the BMD(s). BMD test ballots are stamped with "TEST".
8. Observers manually tally all BMD test ballots onto BMD tally sheets.
9. Observers tally all BMD tally sheets to BMD expected results tally sheet.
10. Observers update BMD column on expected results with BMD expected results totals.
11. BMD test ballots are scanned into the ICC ballot scanner, MB counting group.
12. Adjudication is performed on these ballots for the L & A testing if write-ins are included.
13. Print an election summary report. Participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.

Provisional (PRV) Counting Group

For polling place elections, the MBP test ballots will be scanned into the ICC ballot scanner, PRV counting group.

1. Scan the MBP test ballots into the ICC ballot scanner, PRV counting group.
2. Adjudication is performed on these ballots for the L & A testing.
3. Print an election summary report. Participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.

For mail ballot elections, there will not be a PRV counting group.

Polling Place (PP) Counting Group

For polling place elections, the BMD test ballots will be scanned into the ICC ballot scanner, PP counting group.

1. Observers test vote on the BMD(s).
2. BMD test ballots are stamped with "TEST".
3. Observers manually tally all BMD test ballots onto BMD tally sheets.
4. Observers tally all BMD tally sheets to BMD expected results tally sheet.
5. Observers update BMD column on expected results with BMD expected results totals.
6. BMD test ballots are scanned into the ICC ballot scanner, PP counting group.
7. Adjudication is not performed on these ballots for the L & A testing.
8. Print an election summary report. Participants verify the election summary report to the expected results. Participants sign and date upon completion of verification.

For mail ballot elections, there will not be a PP counting group.

Public Logic and Accuracy Conclusion

Upon completion of the Logic & Accuracy testing, all participants sign the certification document. And sign out on the sign-in sheet.

Authorization

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