

Logic and Accuracy Testing

Prior to each election, the AutoMARK Voter Assist Terminals shall be prepared and tested for accuracy to ensure that the ballot is properly displayed and the marks printed onto the ballot by the AutoMARK represent the votes cast by the voter.

The Check List

A Logic and Accuracy Testing Checklist shall be filled out by the Logic and Accuracy Board member for each AutoMARK. The completed checklist shall act as a certification attesting to the preparation and accuracy of the unit.

Retention of Test Materials and Results

The successful AutoMARK Logic and Accuracy Checklists shall be retained as long as the ballots are kept for the election. The official Logic and Accuracy Test Ballots used for the testing prior to, and upon completion of, processing official ballots shall also be kept for as long as the ballots are kept. Back up decks and other test decks may be destroyed or used to train operators for other elections.

**Steps for Preparation and Testing
and the Logic and Accuracy Test Check List
follow below**

Preparation and Testing

Preparation of the AutoMark

1. Remove the AutoMark from its storage case and place it on a stable surface in the testing area.
2. Prepare for testing by opening the AutoMark and attaching the AC power supply cord.
3. Log the name of the Logic and Accuracy Board Member, date of testing, precinct number and Unit ID number on an AutoMark Logic and Accuracy Testing Checklist.
4. Check the box designating that the test ballot is either Oval or Arrow.
5. Insert the security key. Unlock and open the flash memory card security cover.
6. Insert the flash memory card into the AutoMark.
7. Open the rear access door and insert a new ink cartridge into the ink cartridge holding unit. Close the rear access door.
8. Insert the AutoMark key and turn the key switch to the Test position.
9. Wait for the AutoMark to boot.
10. Once the machine has booted, select **Service Print Cartridge**. Select **Yes** to indicate that you have inserted a new ink cartridge and to reset the counter.
11. Select **Done**.
12. Disconnect the AC power supply cord and press the battery test button located at the back of the machine.
13. Verify that the green LED meter displays a sufficient battery charge. (One to two lines below the top of the meter)
14. Reconnect the AC power supply cord.

Printer Testing

1. Press **Test Ballot Print** on the touch screen.
2. Insert a Test Ballot.
3. Wait for the ballot to finish printing and press **Done** on the touch screen.
4. Remove the ballot from the AutoMARK and examine it for proper printing placement.
5. Scrutinize the placement of the marks in relation to the ovals/voting locations on the ballot. If there is any discernable rotation of the marks with respect to the voting locations, or if the alignment is in error greater than 0.05 degrees, or a couple millimeters, Calibrate the printer.

Audio Testing:

1. Plug in the headphones and turn the key switch to the **On** position.
2. Verify the “**Insert Ballot**” audio prompt and test the audio keys on the keypad as follows:
3. Press the round Audio **Repeat** key to repeat the presentation.
4. Press and hold the round Audio **Repeat** key to change the gender of audio voice.

5. Press the left side of the Audio **Tempo** key to decrease the audio speed.
6. Press the right side of the Audio **Tempo** key to increase the audio speed.
7. Press the left side of the Audio **Volume** key to decrease the audio volume.
8. Press the right side of the Audio **Volume** key to increase the audio volume.

Voting process testing

1. Insert a blank Logic and Accuracy Test Ballot into the AutoMark and wait for the machine to scan the ballot.
2. Once the machine has identified the ballot, vote the ballot.
3. Verify that the AutoMark will not accept an overvote.
4. Verify that an undervote is accepted but that a warning message is displayed.
5. Verify the ability to vote for a write in candidate. Verify the ability to vote using keypad.
6. Print the ballot.
7. Check the ballot for accuracy.
8. Test that the AutoMark accepts a voted ballot by reinserting the printed ballot.
9. The paper feed mechanism should feed your ballot into the AutoMark.
10. If the test is successful, the AutoMark scans the ballot and displays the Verification Summary Screen.
11. Verify that the AutoMark correctly identifies votes.
12. Repeat the voting process testing procedures for each ballot type used in the election.

Preparation for voting

1. Close and lock the flash memory card security cover.
2. Remove the flash memory card security cover key and place it in the designated container.
3. Remove the AutoMark key from the key switch and place it in the designated container.
4. Insert and fasten the compact flash memory card security cover seal.
5. Disconnect the external AC power supply and close the machine.
6. Return the AutoMark to its storage case and place it in the designated area.

AutoMARK Voter Assist Terminal Logic and Accuracy Testing Check List

County: _____

Date: _____

Examiner: _____

Unit ID #: _____

Precinct #: _____

- Oval Ballot
- Arrow Ballot

Visual Inspection

- Verify sample ballot flash memory card installed
- Verify battery installed and charged
- Verify print cartridge installed

Print Testing

- Turn Key switch to TEST
- Wait for machine to boot
- Press TEST BALLOT PRINT on Test Mode Screen
- Insert test ballot and wait for ballot to be printed
- Press DONE
- Examine printed marks and calibrate as needed

Audio Testing

- Connect Headphones
- Turn key switch ON
- Verify "Insert ballot" audio prompt
- Test audio keypad

Voting Process

- Insert Test Ballot
- Complete voting process using touch screen
- Test inability to overvote
- Test ability to undervote
- Test write-in process
- Verify summary screen accuracy
- Print Ballot
- Insert previously printed ballot
- Verify that AutoMARK correctly identifies votes

Poll Preparation

- Close and lock flash memory card security cover
- Remove flash memory card security cover key
- Remove AutoMARK key from key switch
- Insert and fasten flash memory card security cover seal