May 9, 2016
National and Local Elections
Voting Procedure under AES

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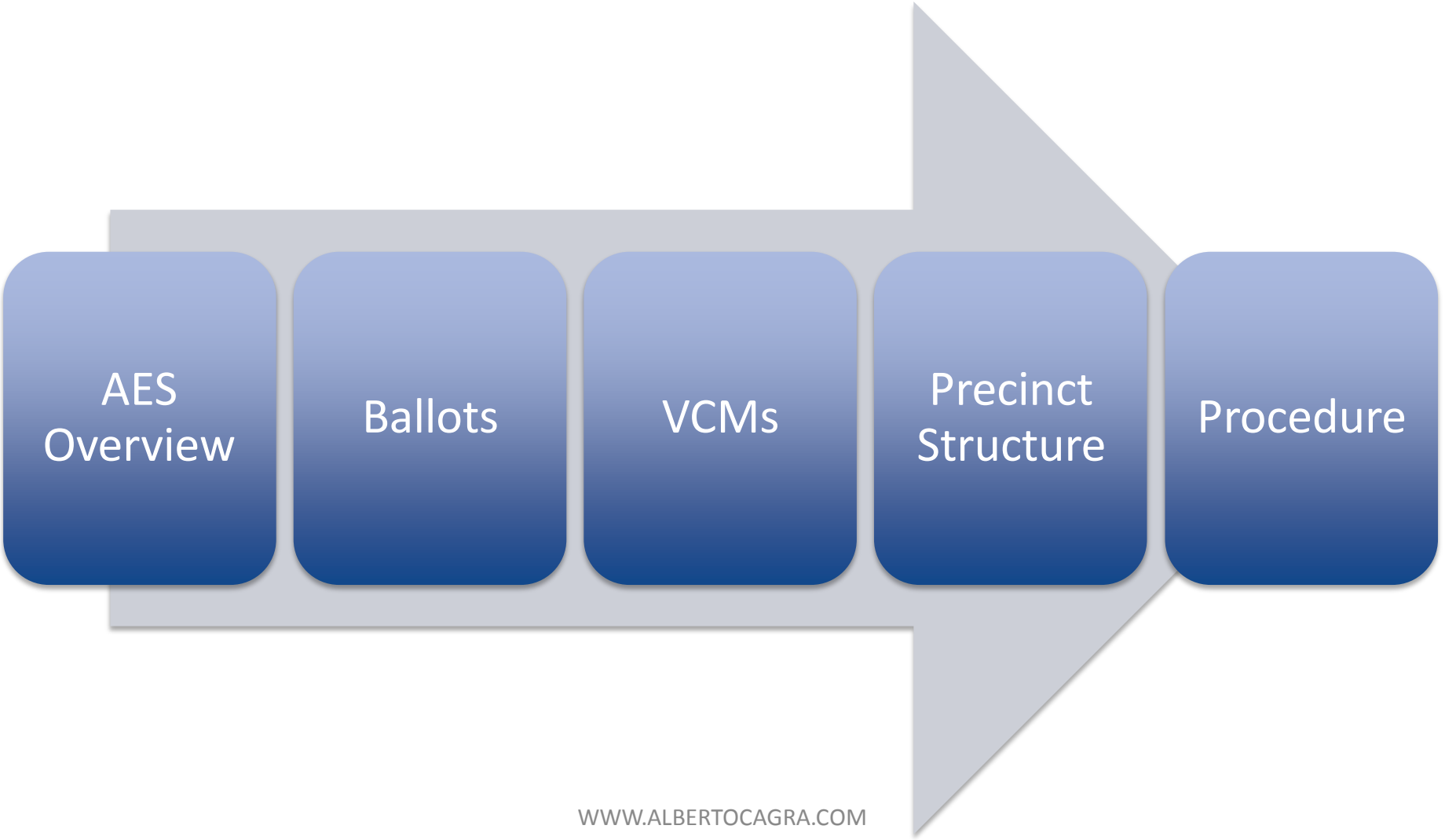
Flow of Presentation



1) Overview of AES

- **Statutory Bases**: RA 9369 amending RA 8436
- **Automated Election System**: voting, counting, consolidating, canvassing, and transmission (not proclamation)
- **Paper-Based or Direct Recording Election System**: Ballots, Election Returns, Certificate of Canvass, Statement of Votes
- **Comelec Discretion**: AES or AESs, Paper-Based or Direct Recording

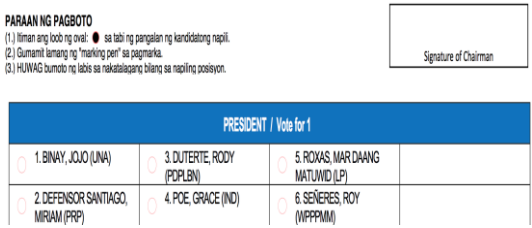
1) Overview of AES

- **Features**: Use of Ballots, Stand-alone machine, with Audit Trails, Minimum Human Intervention and Security Measures
- **Processes**:
  1. Casting, Counting and Transmission at Precinct Level
  2. Consolidation and Proclamation at Canvassing Levels

1) Overview of AES

- **Precinct-Level Result**: Printing of Elections Returns (30 copies) then Electronic Transmission to Board of Canvassers; Results loaded in Data Storage Devices (SD Card)
- **Canvassing at BoC**: Consolidation of Results in Data Storage Devices then Electronic Transmission to Comelec (Senate and Party-List) and Congress (President and Vice-President) and Proclamation

2) Paper-Based Ballots


PARAAN NG PAGBOTO
(1.) Itiman ang loob ng oval: ● sa tabi ng pangalan ng kandidatong napili.
(2.) Gumamit lamang ng "marking pen" sa pagmarka.
(3.) HUWAG bumoto ng labis sa nakatalagang bilang sa napiling posisyon.

Signature of Chairman

PRESIDENT / Vote for 1			
○ 1. BINAY, JOJO (UNA)	○ 3. DUTERTE, RODY (PDPLBN)	○ 5. ROXAS, MAR DAANG MATUWID (LP)	
○ 2. DEFENSOR SANTIAGO, MIRIAM (PRP)	○ 4. POE, GRACE (IND)	○ 6. SEÑERES, ROY (WPPPMM)	

- 1 Ballot: 1 Voter
- Number of Ballots per Precinct: Number of Voters
- Ballot Face:

PARAAN NG PAGBOTO
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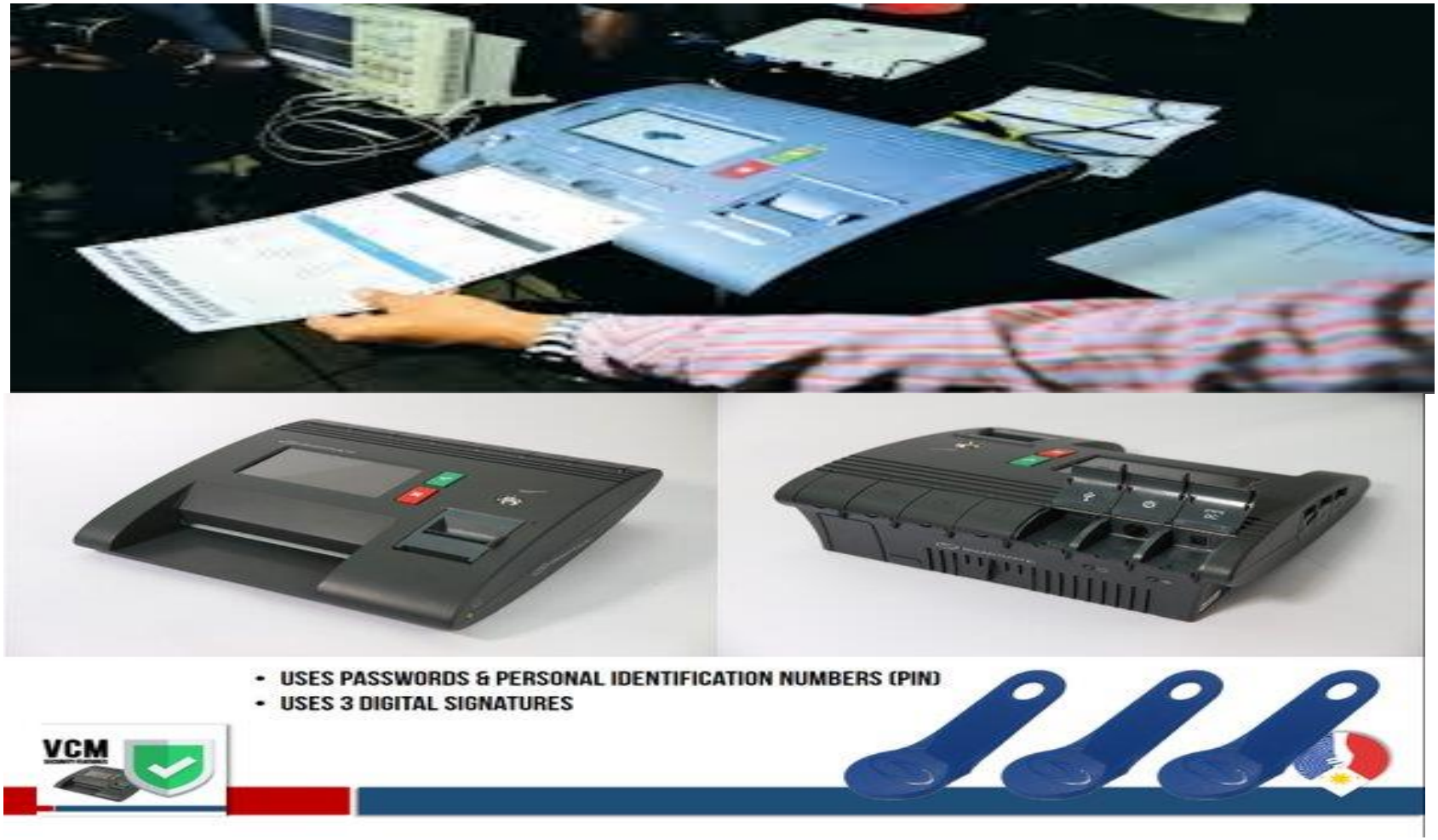
3) Vote-Counting Machines (VCMs)



VS

Monitor is smaller (4.72”) and black & white	**Monitor (colored 7”) allows voter verification of votes**
120 mHz processor, 128-bit security	**1gHz processor; 256-bit security**
Uses CF cards that can be easy to disable	**Uses SD cards that are more robust**
Non-simultaneous saving of data	**Simultaneous saving; data corruption less likely**
Small external battery pack with an 8-hour life	**Larger spare battery with a 14-hour capacity**
No self-diagnostic lens	**Self-diagnostic lens prevents digital lines**
WILL NOT BE USED IN 2016	**USED IN ALL PRECINCTS IN 2016**

ABOUT THE VCM

PCOS V. VCM

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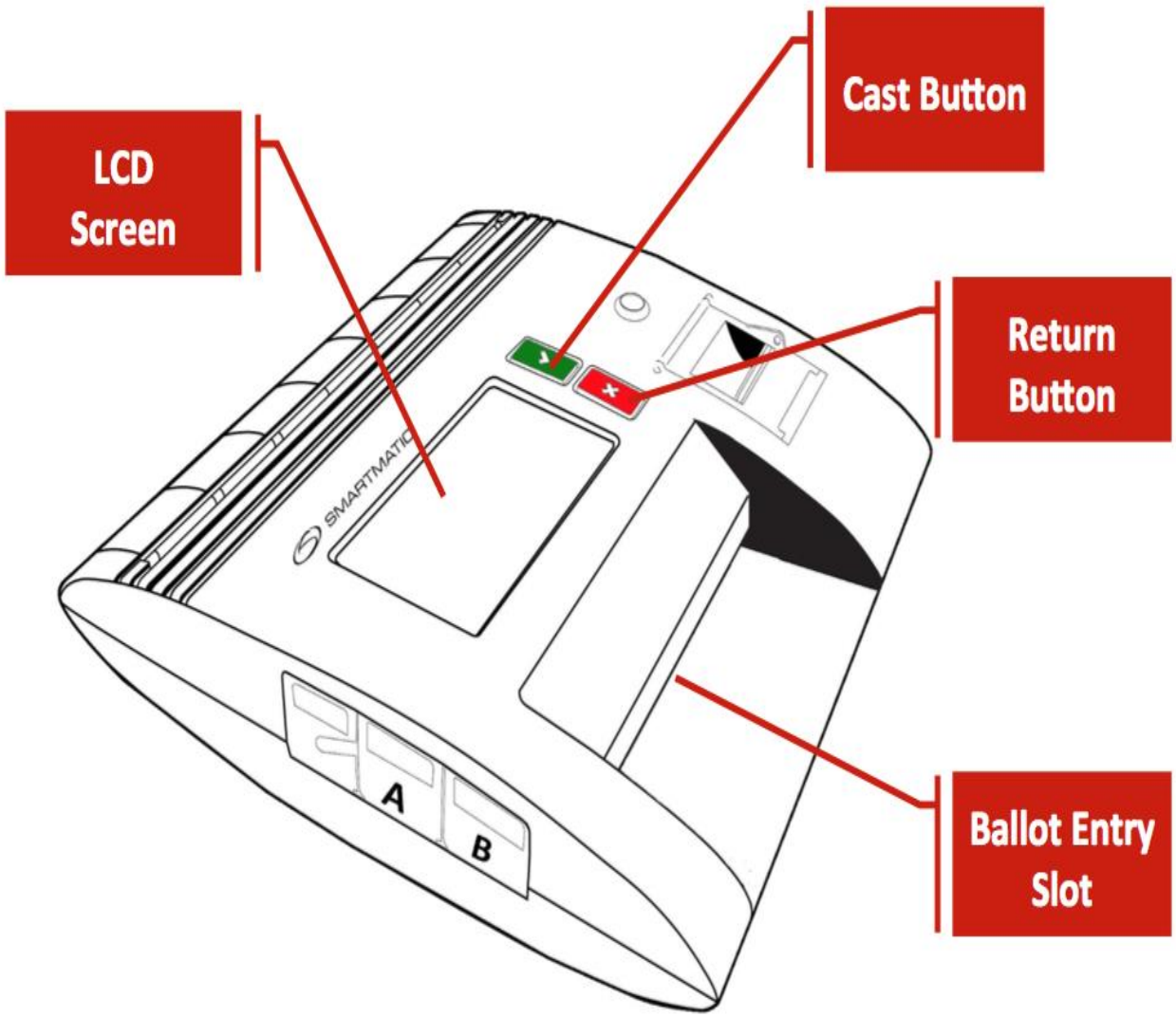

Liquid Crystal Display (LCD) Screen

- an 8" diagonal viewing area and touch screen capability for data and system navigation input purposes.

Cast Button

- has a check mark used to cast ballots.

Return Button

- has an X mark used to return ballots.

Ballot Entry Slot

- ballots are inserted and/or returned here

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iButton Receptacle

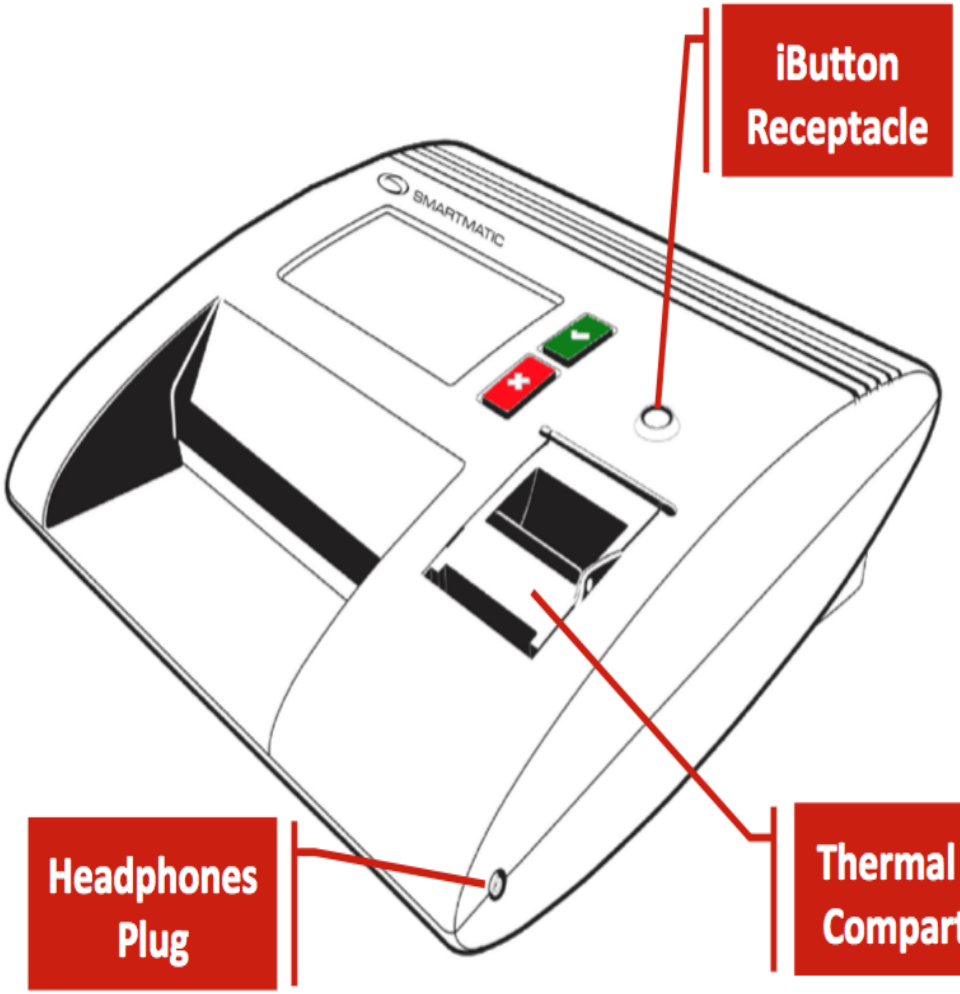
- contact point for the Security Key.

Thermal Paper Compartment

- designed to allow easy loading and reloading of the thermal paper.

Headphones Plug

- used for audio review.



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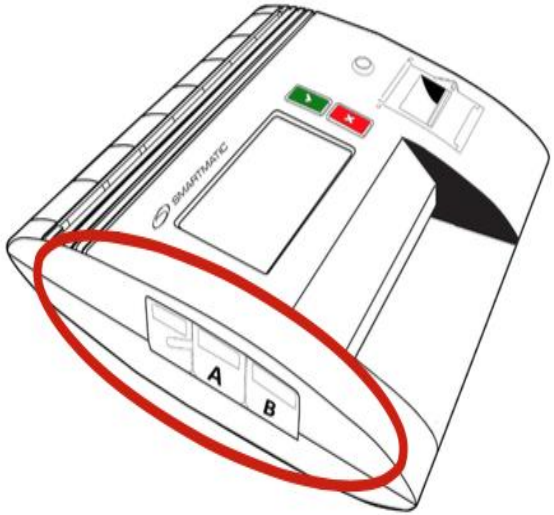

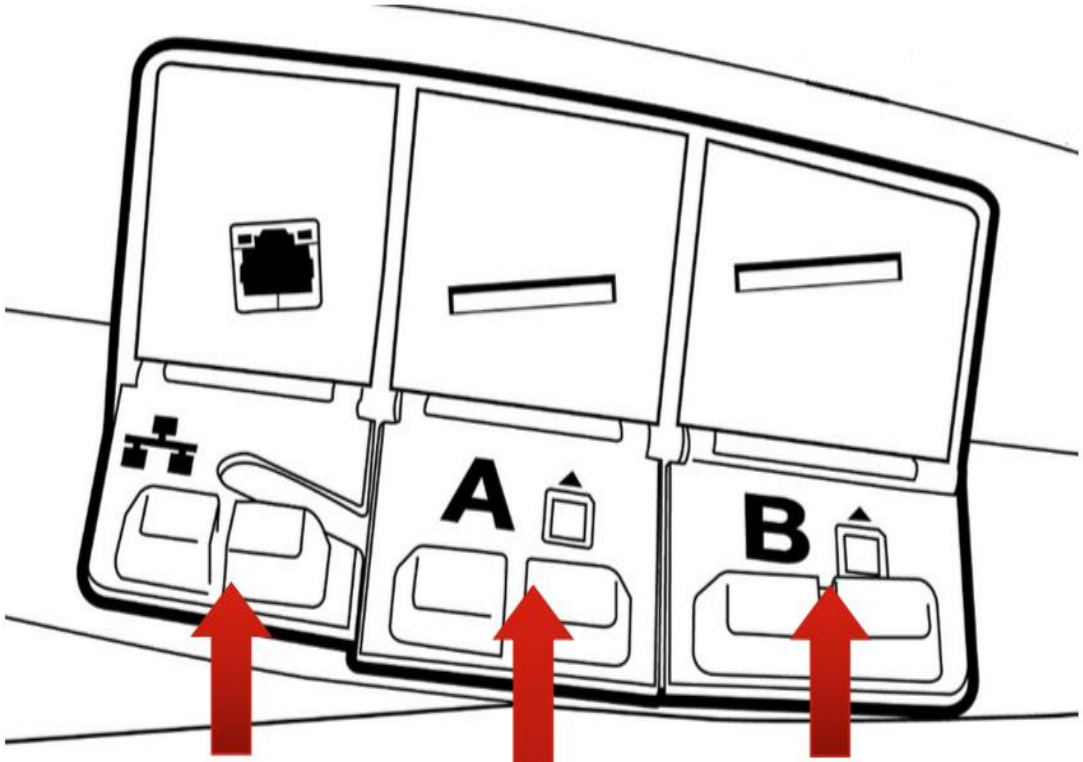

Ethernet Port

A port on the right-hand side of the machine. It is used for connecting the external device for results transmission.

Main Data SD Card Slot

This is where the removable main data SD card is inserted.

Backup Data SD Card Slot

This is where the removable backup data SD card is inserted.

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4) Precinct-Level Structure

Board of Election Inspectors

- 3 (Chair, Poll Clerk and 3rd Member)
- Teachers or of known probity
- Not related within 4th degree
- Clustered Precinct: max. 800 voters/ 7 original precincts

Functions

- AE: conduct voting, electronic counting and VCM testing
- Print ERs
- Maintain Order
- Enforce lawful orders
- Call upon security force to take unruly person under custody
- Sign Ballot/ ER
- Transfer Venue of Counting

4) Precinct-Level Structure:

Pollwatchers

- Candidates
- Registered Parties
- Citizens' Arm
- Other Groups
- For Legislative Bodies, collectively 1

4) Pollwatchers: Requirements

- **Number:** Maximum of 2 per Precinct serving alternately
- **Proof:** Appointment and ID
- **Designation:** Appointment bears signature of candidate or representative of party (at least 15 days before May 9, names of representatives submitted to Election Officer)

4) Pollwatchers:

Qualifications

1. a qualified (registered per Comelec) voter
2. of good reputation
3. not have been convicted by final judgment of any election offense or of any other crime
4. know how to read and write Pilipino, English, Spanish or any of the prevailing local dialects
5. not related within the fourth civil degree of consanguinity or affinity to BEI in the polling place where s/he seeks appointment as a watcher

4) Pollwatchers: Rights

- Stay in the space reserved for them
- Witness and inform themselves of the proceedings
- Take notes of what they may see or hear,
- Take photographs of the proceedings and incidents
- File a protest against any irregularity or violation of law and obtain a resolution thereof
- Get a copy of the ER (or Certificate of Votes)
- Vote when BEI decides to transfer venue of counting
- If belong to Dominant Party, closest to BEI

5) AES Procedures

A. **Preliminaries:** 5:00 to 6:00 a.m.

1. BEI sets up Polling Place
2. Pollwatchers present credentials to BEI
3. BEI posts Precinct Certified Voters List (PCVL)
4. BEI shows sealed Vote Counting Machine (VCM) and empty Ballot Box to public
5. BEI turns on VCM and logs in

5) AES Procedures

B. **Voting Proper:** 6:00 a.m. to 5:00 p.m.

1. Voters vote in the order of arrival
2. Voter approaches BEI
3. BEI verifies Voter identity
4. BEI checks if fingers unstained with Indelible Ink (if stained, cannot vote)
5. BEI announces name of Voter
6. If no challenge or challenged dismissed, Voter signs in Election Day Computerized Voters List (EDCVL)

5) AES Procedures

Illegal Voter

- Not registered
- Use another name; Disqualified
- Multiple Registrant

- *May be allowed to vote if properly identified by BEI*

Illegal Act

- Vote-Buying
- Vote-Selling
- Vote-Betting
- Promise to induce or withhold vote

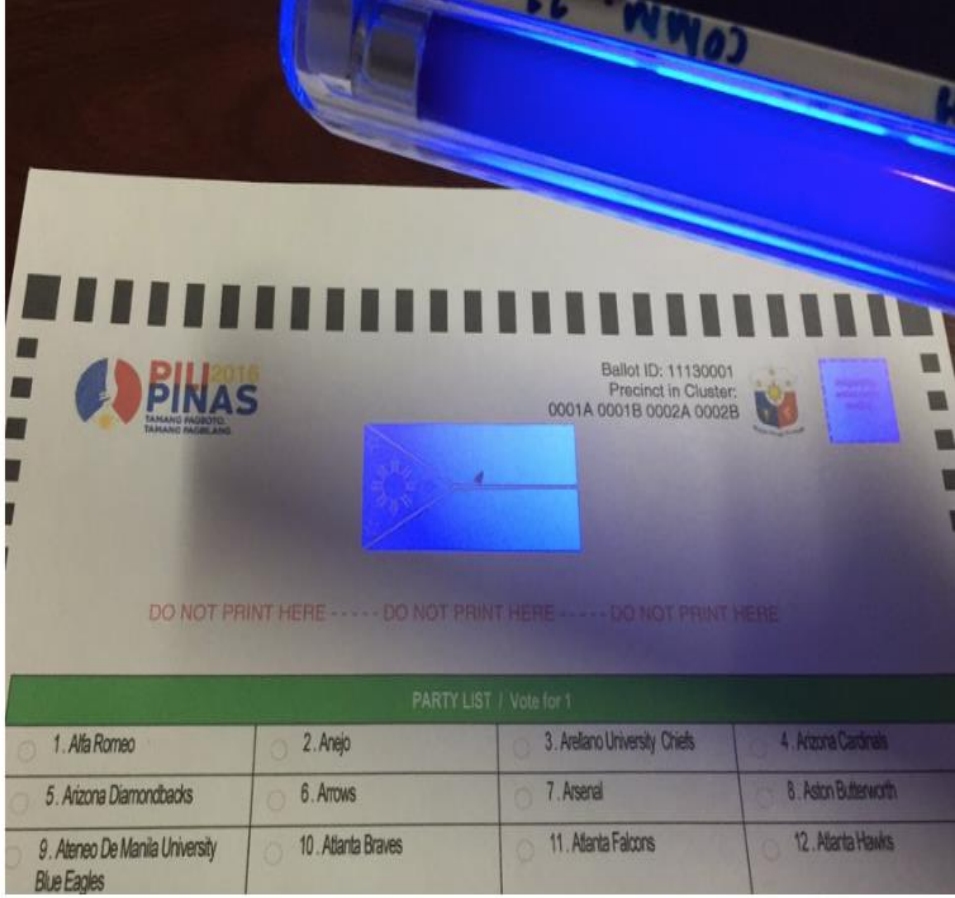
- *allowed to vote if take oath*

5) AES Procedures

7. BEI Chair:
   a) Signs Ballot in space provided
   b) Gives Ballot inside Secrecy Folder and Marking Pen to voter
8. Voter votes by fully shading circles
9. Voter inserts Ballot in the VCM
10. Voter returns Secrecy Folder and Marking Pen
11. Ballot is accepted or rejected (given another Ballot if voter not at fault):
    a) Misread Ballot (re-fed in 4 different orientations)
    b) Previously Read Ballot (diverted to Bin for Rejected Ballot)
    c) Invalid Ballot

- Ballot scans both sides simultaneously
- Ballots are identified by the machine (precinct specific) and are rejected if:

  ✓Fake/Photocopied/Duplicate;
  ✓ previously inserted or scanned;
  ✓ for another different precinct;
  ✓ contains ambiguous marks



A word about the ballots...

- ✓ Appx 19" in length (Non-ARMM)
- ✓ Uses UV & barcode security;
- ✓ Every ballot is unique

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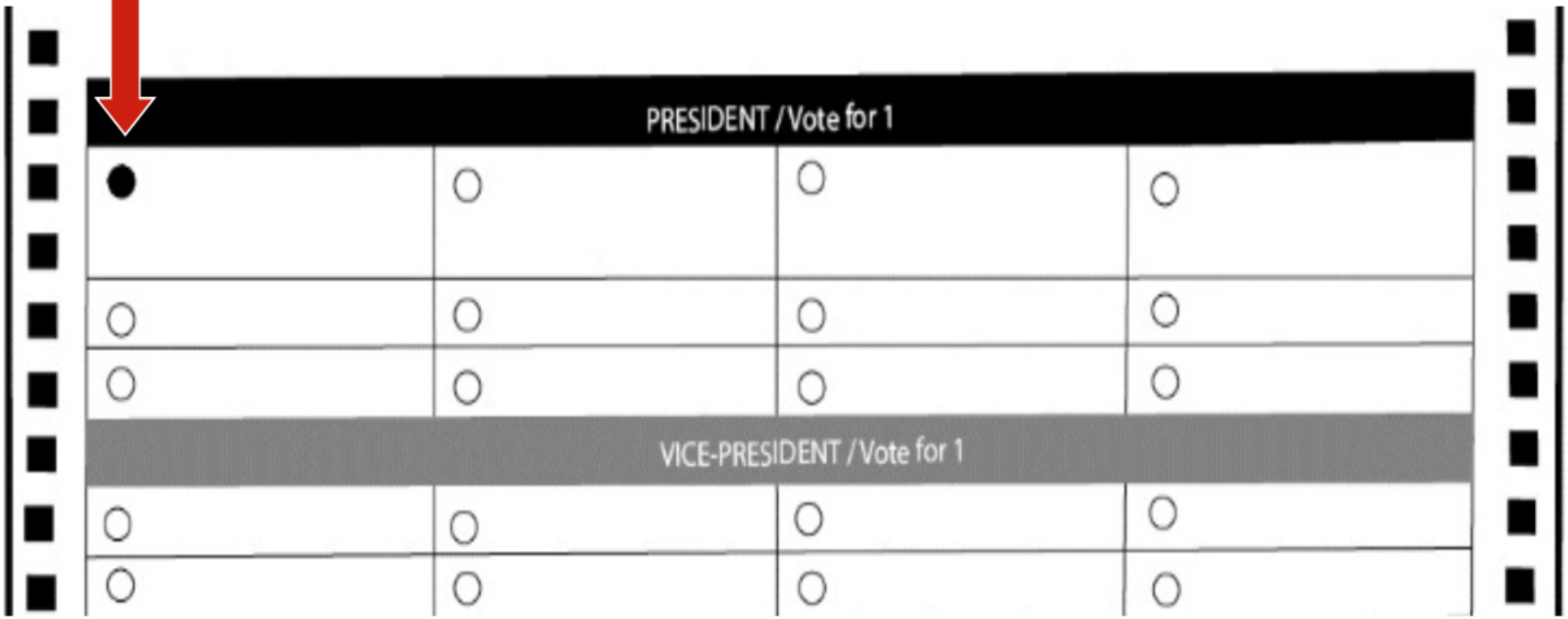
Oval spaces – what voters shade when indicating their vote.



Make sure the ovals are FULLY shaded. Use the Marking Pens provided.

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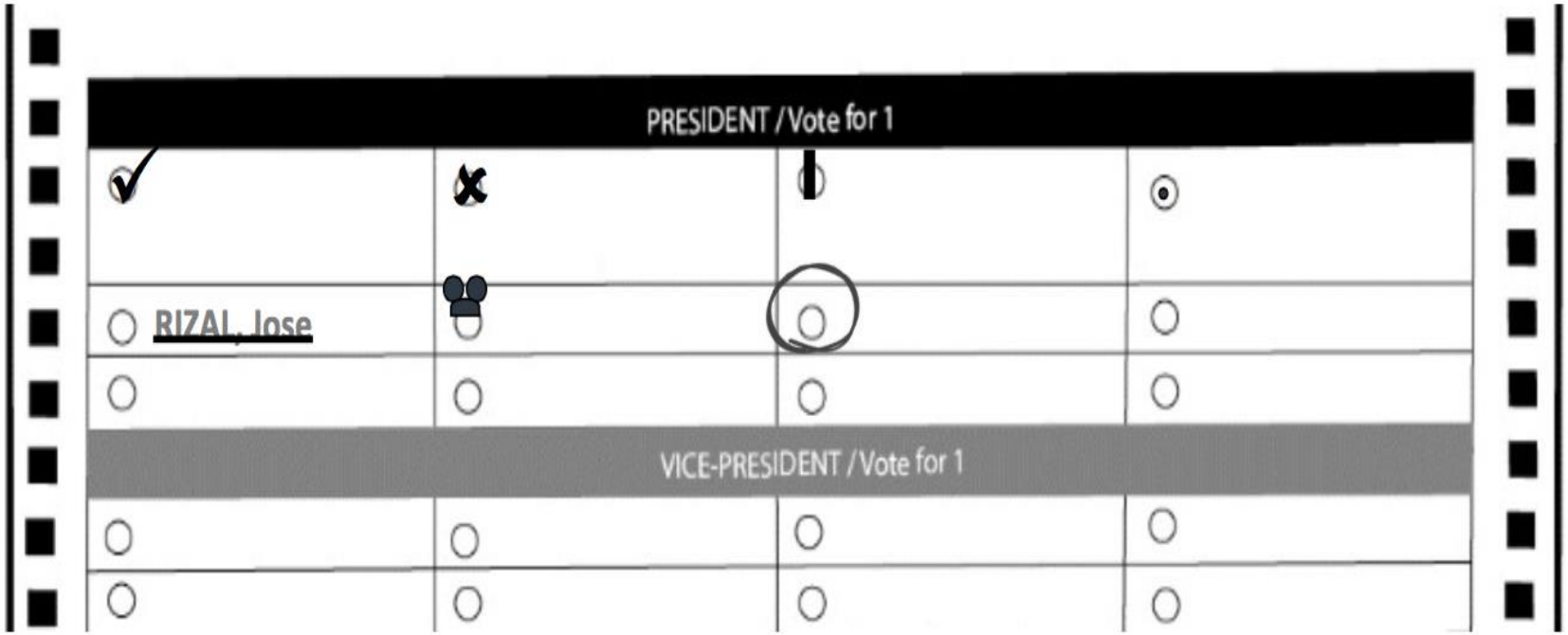
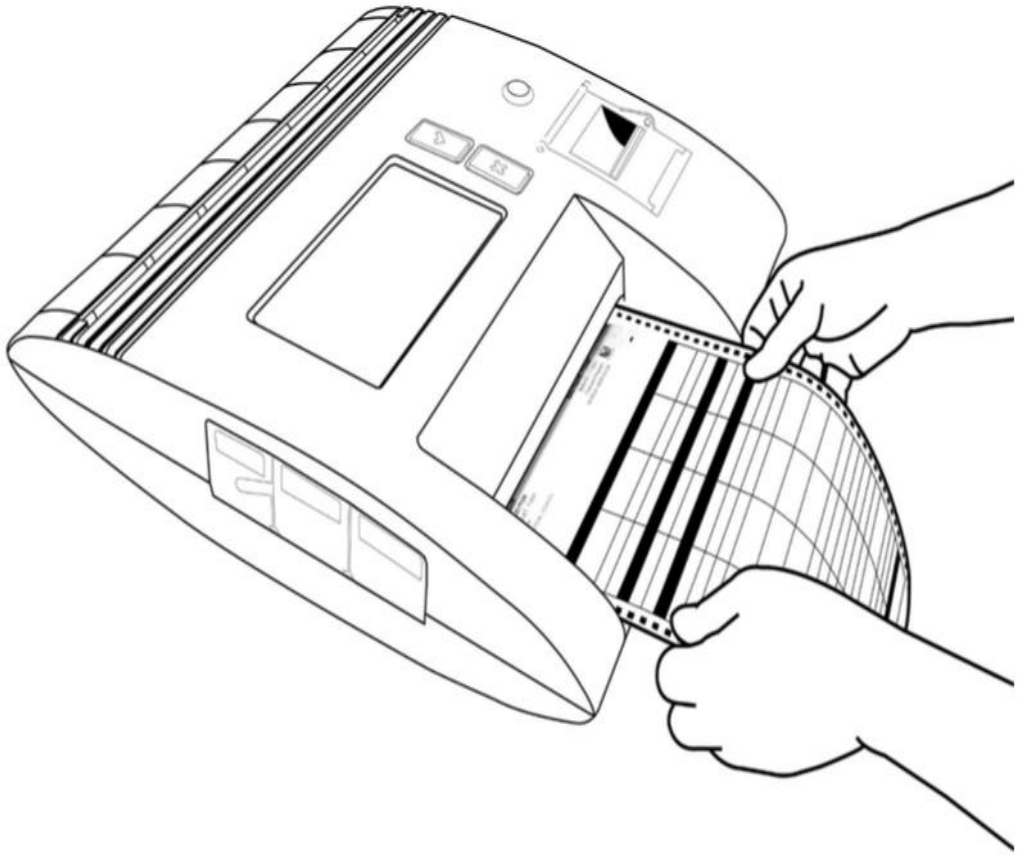
⚠ When you mark your choices this way, YOUR VOTES WILL NOT BE COUNTED. ⚠



⚠ Make sure the ovals are FULLY shaded. Use the Marking Pens provided.

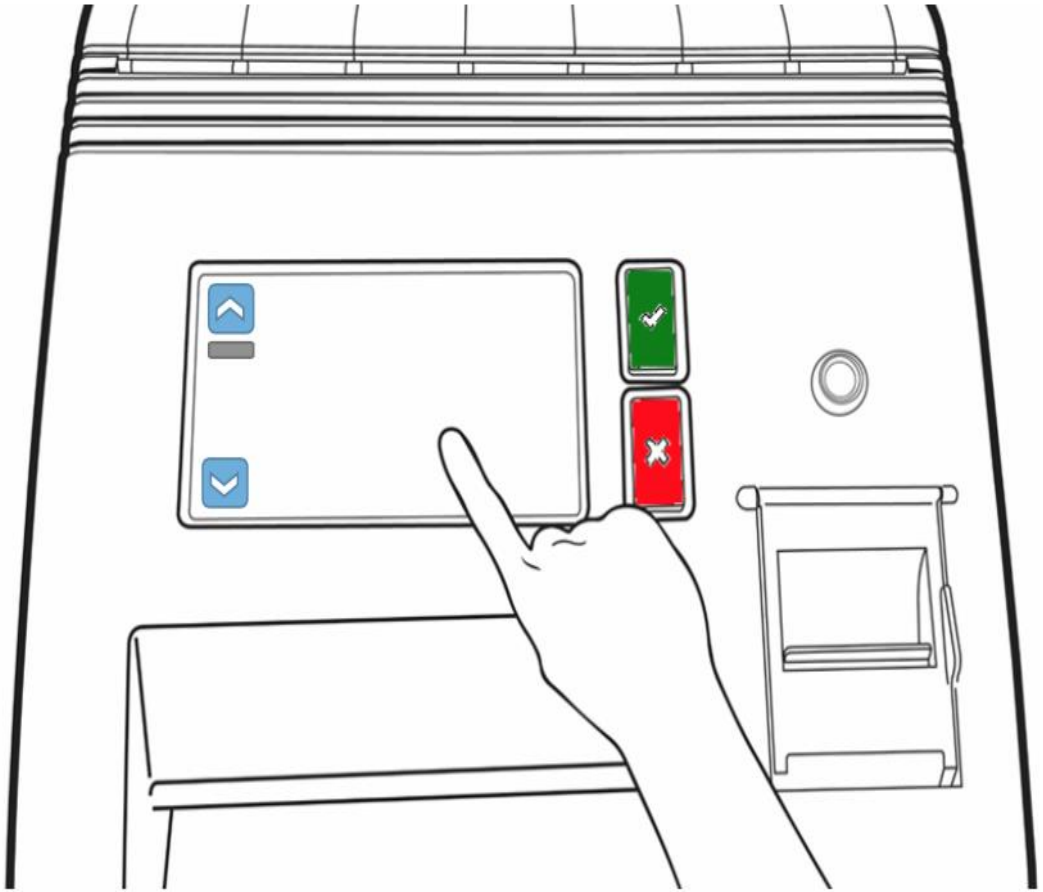
USING THE VCM | **FILLING UP THE BALLOT**

Ballot should be inserted gently into the ballot entry slot. Note that the ballot can be inserted in any of four orientations (EXCEPT SIDEWAYS, OF COURSE :D)



USING THE VCM **BALLOT CASTING**

The voter can review the scanned ballot on the LCD screen. This is called "On-Screen Verification."



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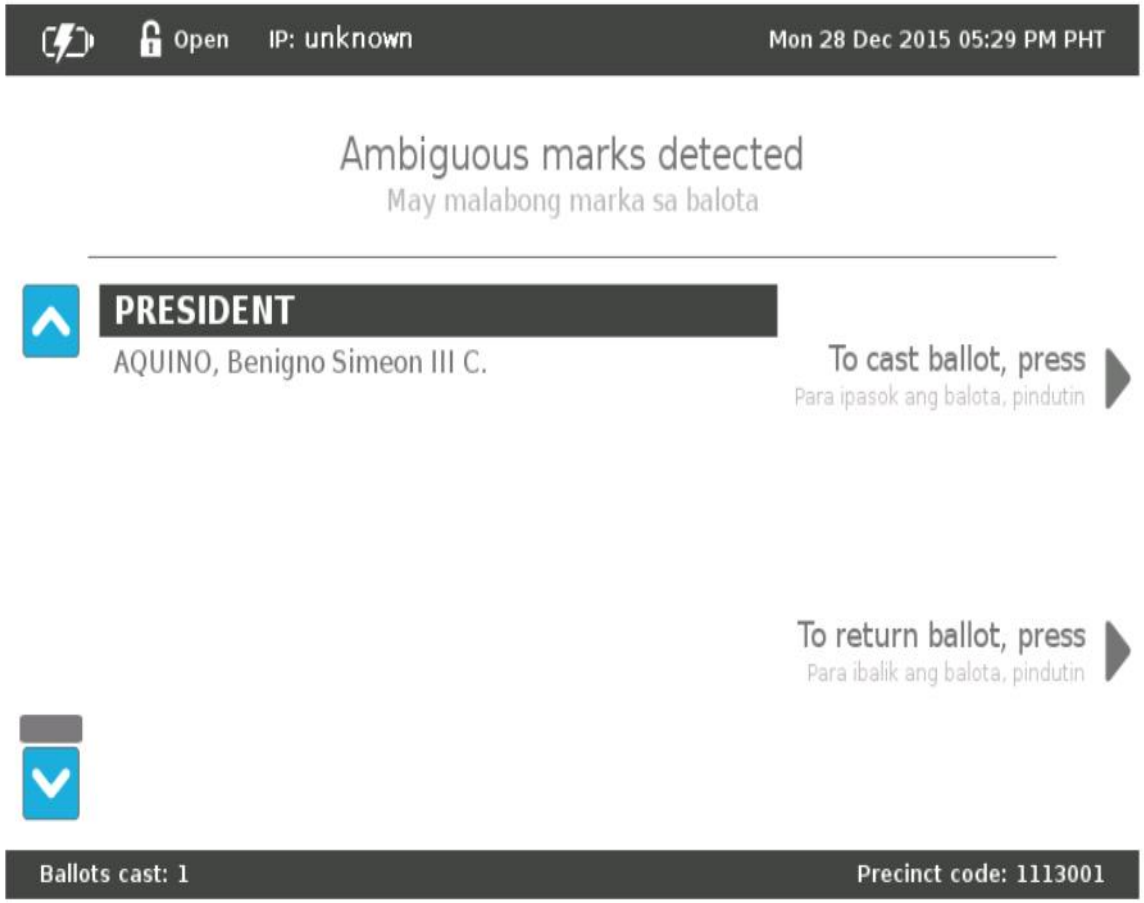
A voter has 15 seconds to check his vote. After 15 seconds, the VCM will automatically cast the ballot.

USING THE VCM | **BALLOT CASTING / ONSCREEN VERIFICATION**



AMBIGUOUS MARK

warnings occur when the VCM detects an unclear mark.

Possible Reasons:

1. Too lightly marked; must be darkened to be clearly counted.
2. Inadvertently made small marks in an oval. Voter ntent, not clear.

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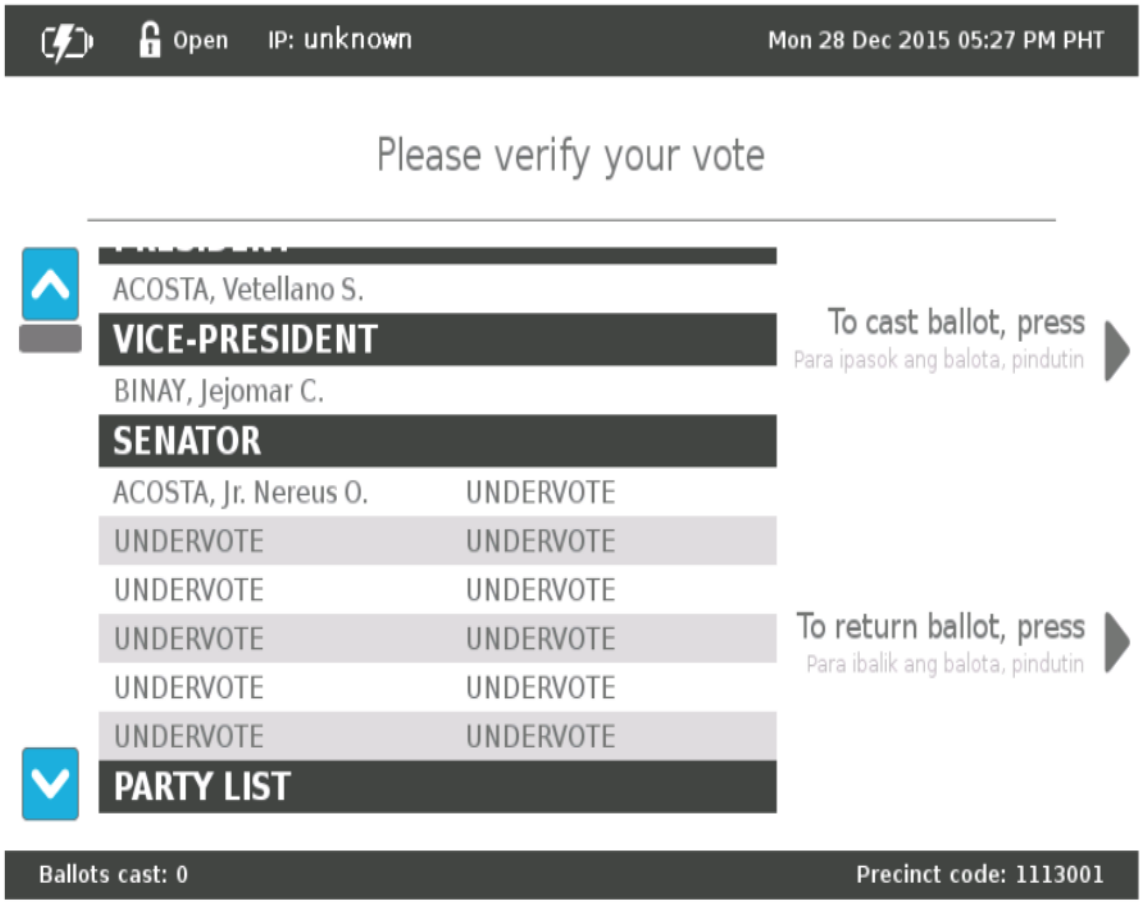
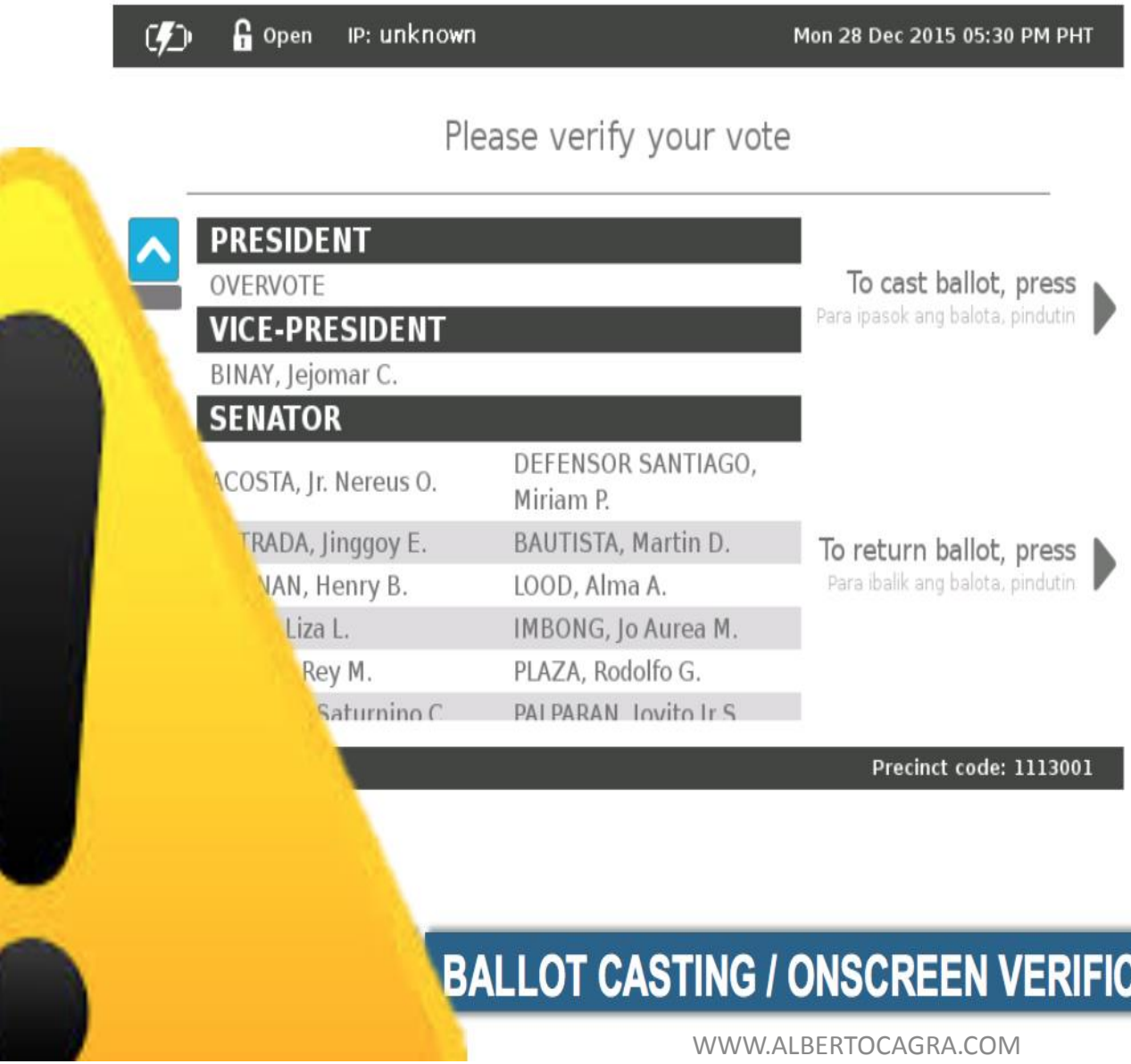


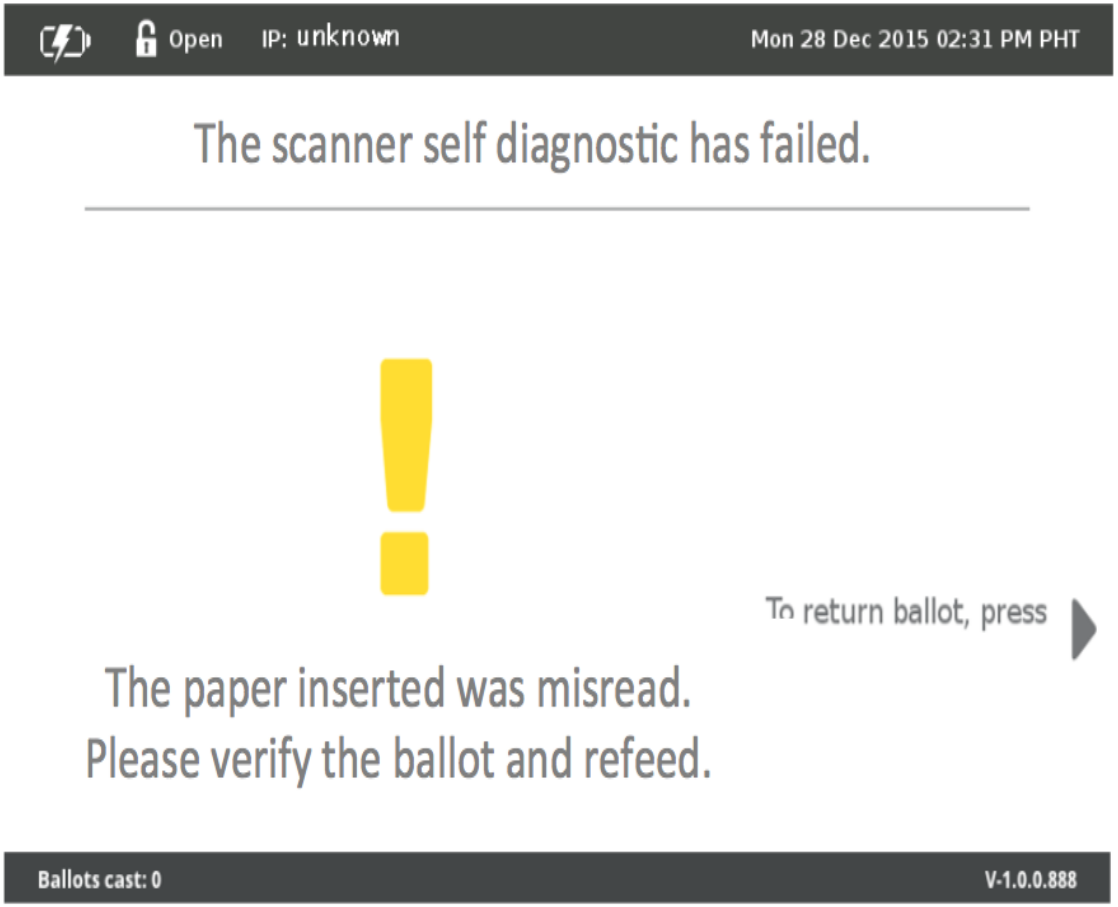
If the voter has for fewer than the number expected for a given contest, this is called an **UNDERVOTE**.



OVERVOTE: When the voter has voted for more than the maximum number of votes allowed for a given contest.

VOTES CAST FOR OVERVOTED POSITIONS WILL NOT BE COUNTED.

BALLOT CASTING / ONSCREEN VERIFICATION



A **MISREAD** warning means that VCM has not recognized the ballot.

Possible reasons:

- **The ballot is physically damaged (torn, folded, crumpled or stained with water)**
- **The voter has made markings that obstruct certain identifying marks.**

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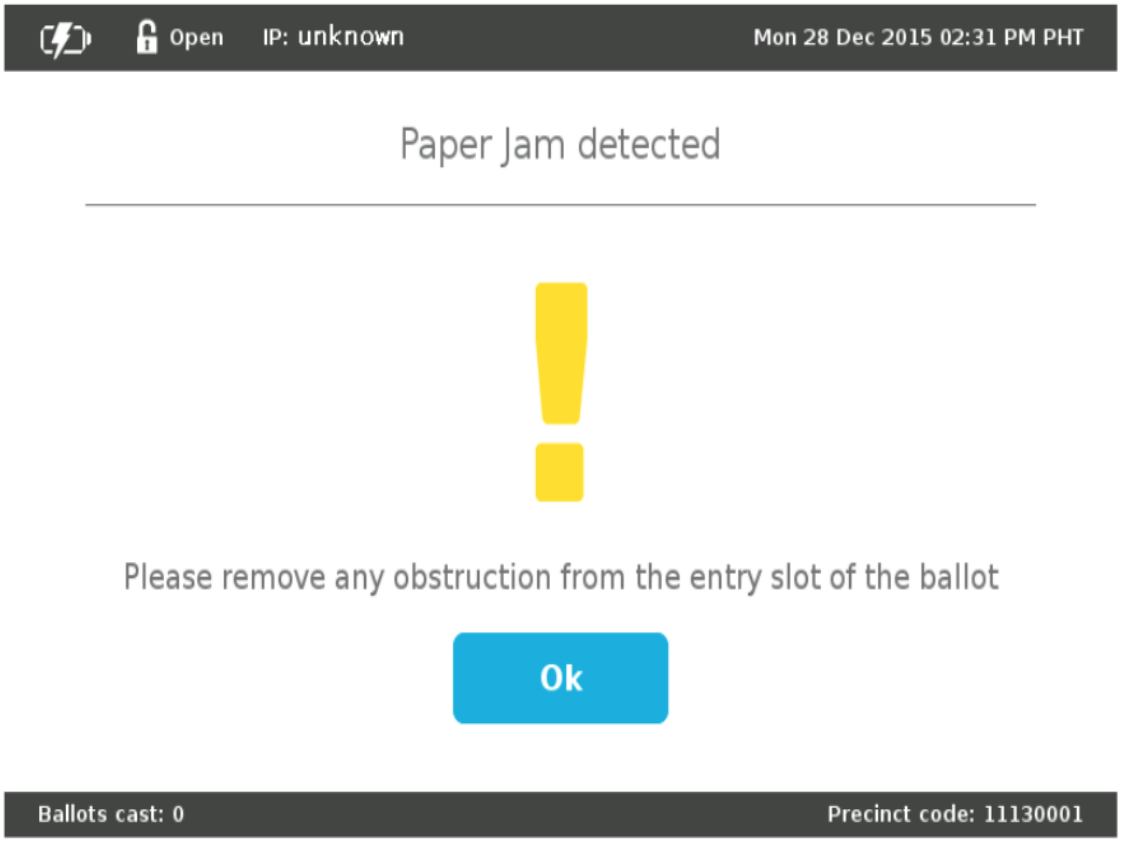

PAPER JAMS or ballot blockages are rare events but can occur. The error message saying "Paper Jam Detected" will be displayed on the screen in this situation.

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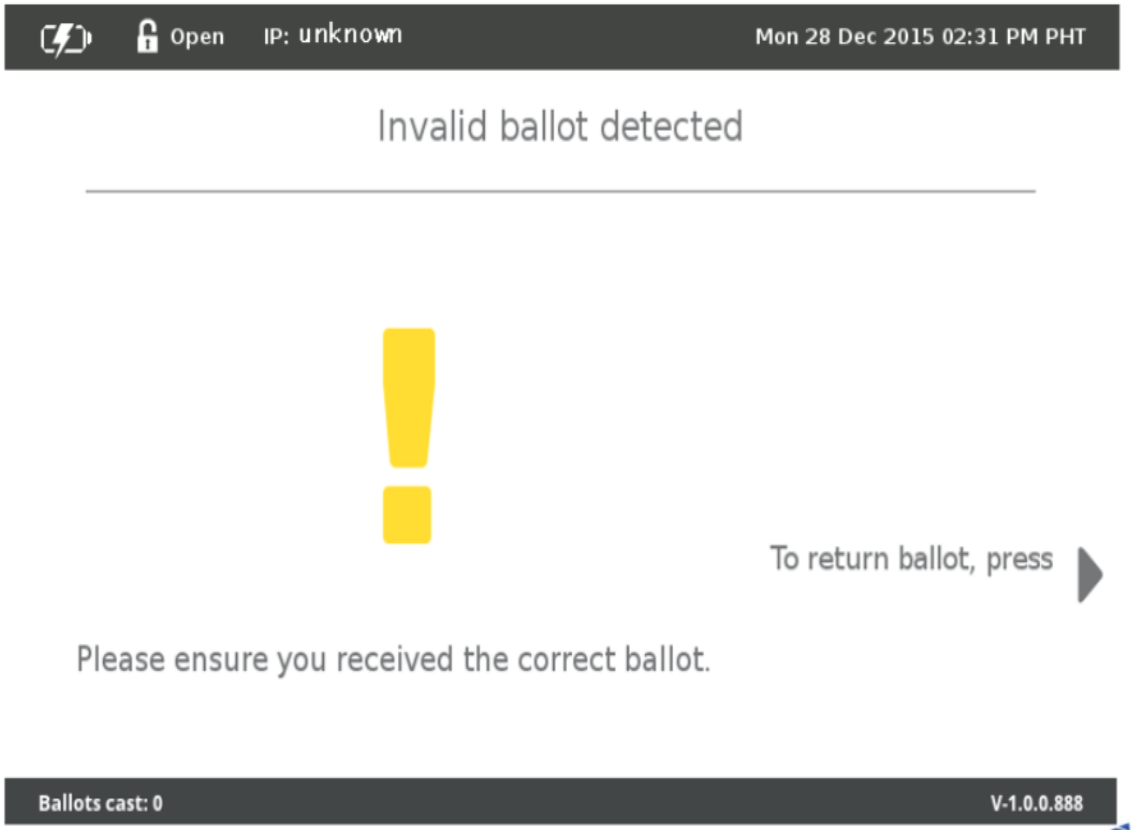
An **INVALID BALLOT** is a ballot that belongs to a different clustered precinct. The VCM is designed to accept only the ballots assigned to it.



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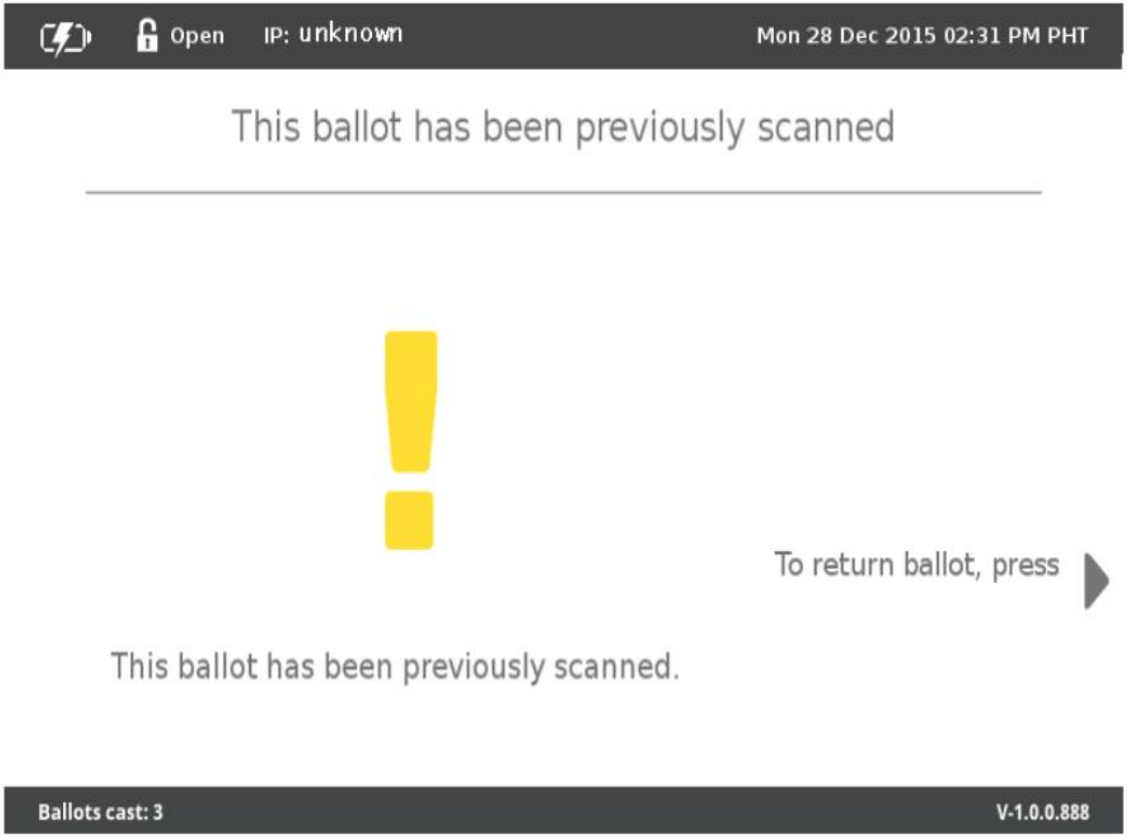

PREVIOUSLY SCANNED BALLOT

A warning message displays when the VCM detects a ballot that has already been scanned. No votes will be counted for the ballot.

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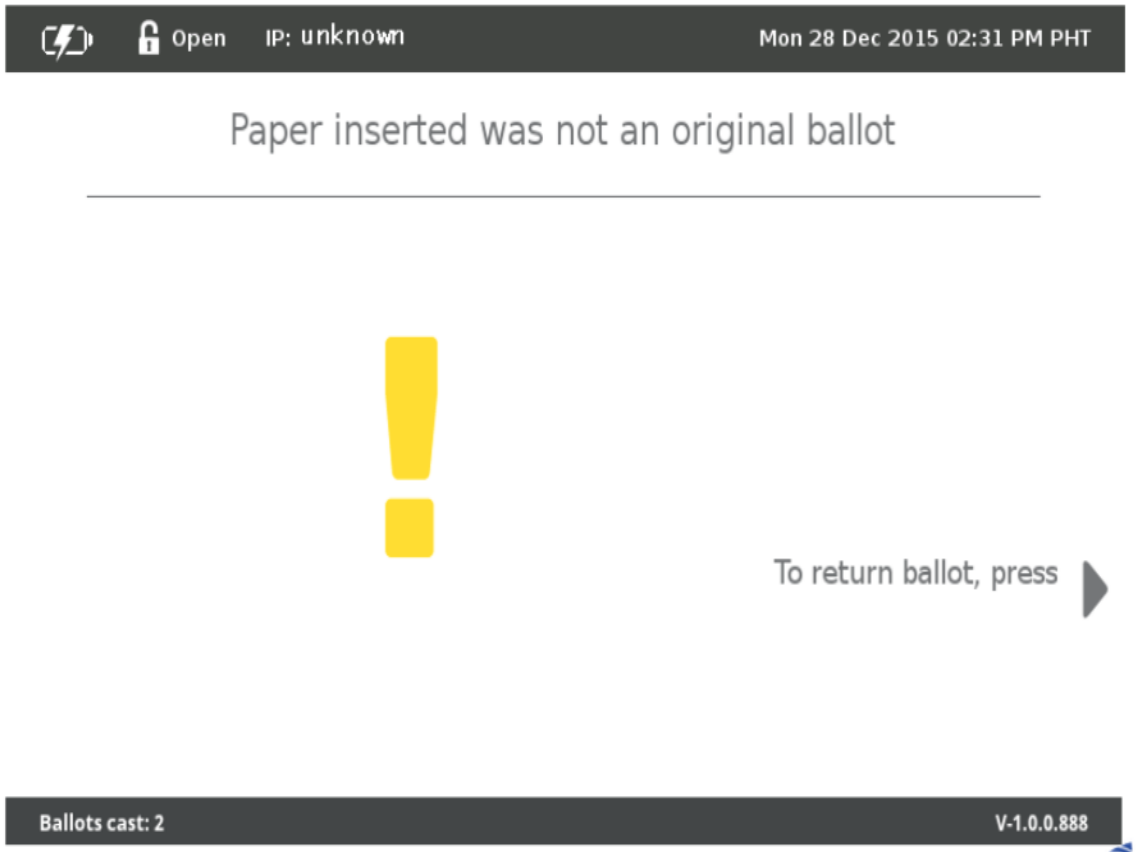
A **FAKE BALLOT** can be detected when the scanner doesn't detect a ultra-violet (UV) mark on the ballot, and/or when the ballot has a different type of bar code than the one specified for the election.



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5) AES Procedures

12. Voting Receipt (VR)
    a) Printed and given to Voter
    b) Deposited inside Box for Official Ballots
    c) If Voter objects, Voter signs at back of VR and placed in minutes
13. BEI applies Indelible Ink
14. Voter departs
15. Illiterates and Persons with Disability can be assisted by relative within 4th degree, person of confidence (max. 3x) or BEI
16. No premature announcement of status of voting before close of polls

5) 12 Don’ts: Voting Rules

1. Votes together with another voter (except if illiterate/ PWD)
2. Speaks with anyone
3. Intentionally tears ballot
4. Uses means to copy ballot
5. Prepares ballot without using secrecy folder
6. Brings ballot outside Polling Place
7. Uses capturing devices inside Polling Place
8. Brings voting receipt outside Polling Place
9. Mingles with watchers
10. Exhibits ballot contents
11. Carries firearm
12. Conducts him/herself in disorderly behavior

5) AES Procedures

C. **Closing of Polls:** 5:00 p.m. up

1. If there are Voters within 30-meter radius, they will be allowed to vote (must fall in line, fill-up sheet and called)
2. BEI prints 8 copies of National Election Returns (NERs) and 8 copies of Local Election Returns (LERs)
3. VCM transmits results to:
   a) Comelec
   b) Transparency Server (KBP)
   c) City/ Municipal Board of Canvassers (C/ M BoC)

5) AES Procedures

4. VCM prints 22 copies of NERs and 22 copies of LERs
5. BEI signs all ERs and affixes thumbmarks and places 8 NERs and 8 LERs inside Envelopes
6. Distribute all 30 NERs and 30 LERs (Next/ Higher Level of Canvassing, National and Local Political Parties, Media, Citizens' Arm, Ballot Box, Posted on Wall)
7. BEI shall post 1 copy of ER in a conspicuous place inside polling place

5) Distribution of ERs

Copy	Nationally-Elected	Locally-Elected
1	City/ Municipal BoC	City/ Municipal BoC
2	Congress (Senate President)	COMELEC
3	COMELEC	Provincial BoC
4	Citizens' Arm Quick Count	Citizens' Arm Quick Count
5	Dominant Majority Party	Dominant Majority Party
6	Dominant Minority Party	Dominant Minority Party
7	Ballot Box	Ballot Box
8	Provincial BoC	Posted on Wall
9 to 18	Major National Party	Major National Party
19 to 20	Major Local Party	Major Local Party
21 to 25	National Media	National Media
26 to 27	Local Media	Local Media
28 to 30	Other Citizens' Arm	Other Citizens' Arm

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5) Not in 30

1. Align with any of 14 parties
2. Secure from Citizens' arm
3. Request from media
4. Take Photograph of ER posted on Wall
5. Get a copy at own expense (30 additional copies for ER)

5) AES Procedures

8. VCM prints Statistical and Audit Reports
9. Unused Ballots shall be disposed (torn lengthwise and placed in Envelopes)
10. BEI removes SD card (Slot A) and place inside Envelope (SD is Slot B not removed)
11. VCM shall be turned over to Logistics Provider or Election Officer
12. Deliver Ballot Box to the Local Treasurer

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THANK YOU. MORE POWER.