



5th State of the Presidency
Center for People Empowerment in Governance (CenPEG)
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2013 Philippine Automated Elections: Worse than in 2010

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In the 2010 national and local elections around **8,000** election returns (ERs) were not transmitted to the Comelec's central server. In this year's election the number of non-transmitted ERs increased to **18,000**.

One of the provisions of Section 7 of R.A. 8436 as amended by R.A. 9369 is that the Automated Election System (AES) must have the "system auditability which provides supporting documentation for verifying the correctness of reported election results".

These election results are the election Returns (ERs) and the certificates of canvass (CoCs). The law (RA 9369) is clear about the importance of the ERs and CoCs as it mandates that "The election returns and certificates of canvass transmitted electronically and **digitally signed** shall be considered as official election results and shall be used as the basis for the canvassing of votes and the proclamation of a candidate."

Wikipedia, the free dictionary, clearly describes digital signature as "a mathematical scheme for demonstrating the authenticity of a digital message or document. ... Digital signatures are commonly used for software distribution, financial transactions, and in other cases where it is important to detect forgery or tampering."

However, in the 2013 Elections, the Commissioners passed a resolution in Comelec Resolution No. 9640 February 15, 2013 instructing the Board of Election Inspectors (BEI) not to digitally sign the ER as shown in (f), (g) and (h) of section 51.

SEC. 51. Closing of Polls; Counting of ballots and transmission of results; Procedure.

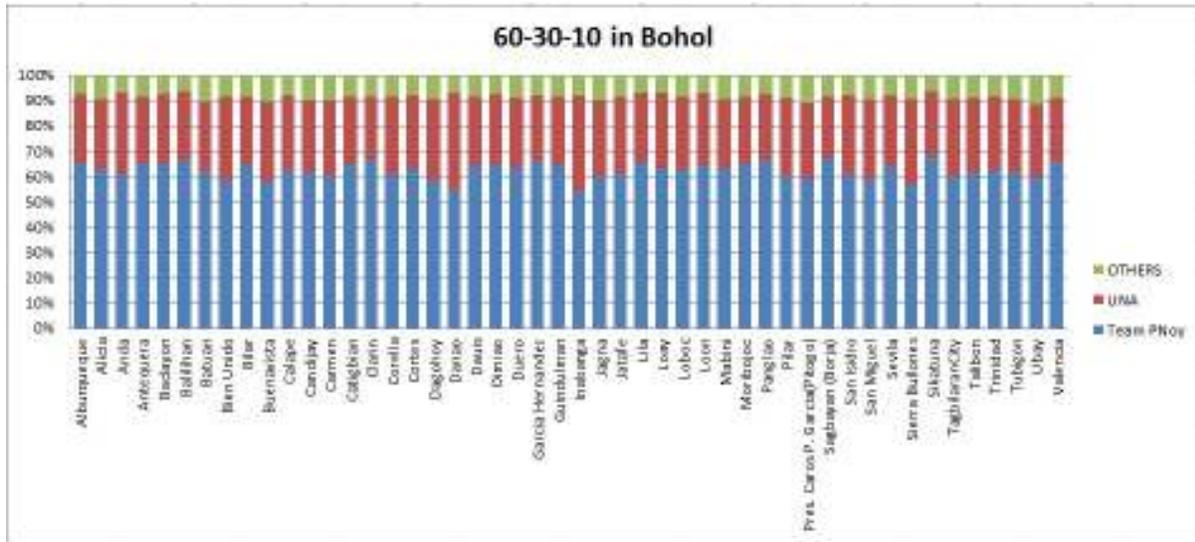
- a. The Chairman shall place the iButton security key on top of the iButton security key receptacle and apply slight pressure thereon. Remove the iButton security key from its receptacle, after which the PCOS will display the Main Menu;
- b. Press the "CLOSE VOTING" option in the Main Menu;
- c. The screen will display a message "ARE YOU SURE YOU WANT TO CLOSE VOTING? NO MORE BALLOTS WILL BE ACCEPTED AFTER THIS" with "YES or NO" options. Select "YES" option;
- d. The PCOS will request for the PIN of the poll clerk who will then enter his PIN, and press "ENTER". The PCOS will validate the PIN. The PCOS will request for the second PIN from the third member who will then enter his PIN, and press "ENTER". The PCOS will validate the PIN and display a message "PIN ACCEPTED";
- e. The screen will display a message "POLL IS BEING CLOSED PLEASE WAIT", followed by another message "VOTING HAS BEEN CLOSED NO MORE BALLOTS WILL BE ACCEPTED BY THIS PCOS";
- f. Thereafter, the PCOS shall automatically count the votes and immediately display a message "WOULD YOU LIKE TO DIGITALLY SIGN THE TRANSMISSION FILES WITH A BEI SIGNATURE KEY?", with "YES or NO" options;
- g. Press the "NO" option. The PCOS will display "ARE YOU SURE YOU DO NOT WANT TO APPLY ANY DIGITAL SIGNATURE?", with "YES or NO" options;
- h. Press the "YES" option. A message shall be displayed "PREPARING ELECTION REPORTS. PLEASE WAIT" ... followed by a message "GENERATING TRANSMISSION FILES. . . PLS WAIT" then by a message "PRINTING 8 COPIES OF NATIONAL RETURNS PLEASE WAIT" and the PCOS automatically prints the 8 copies;



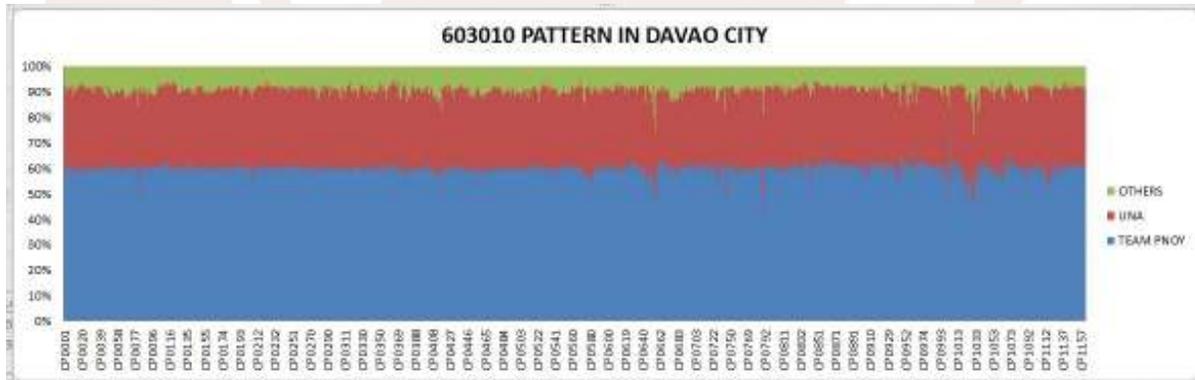
Center for People Empowerment in Governance

"What makes CenPEG's mission significant is that the power it seeks for the people is in the area of governance. Towards this end, it engages in policy studies and research, education, training and advocacy aimed at securing political and electoral changes that would bring hitherto marginalized sectors into active participation in defining and shaping the destiny of our nation."

In Bohol, we see the following pattern:



In Davao City we see the following pattern below:

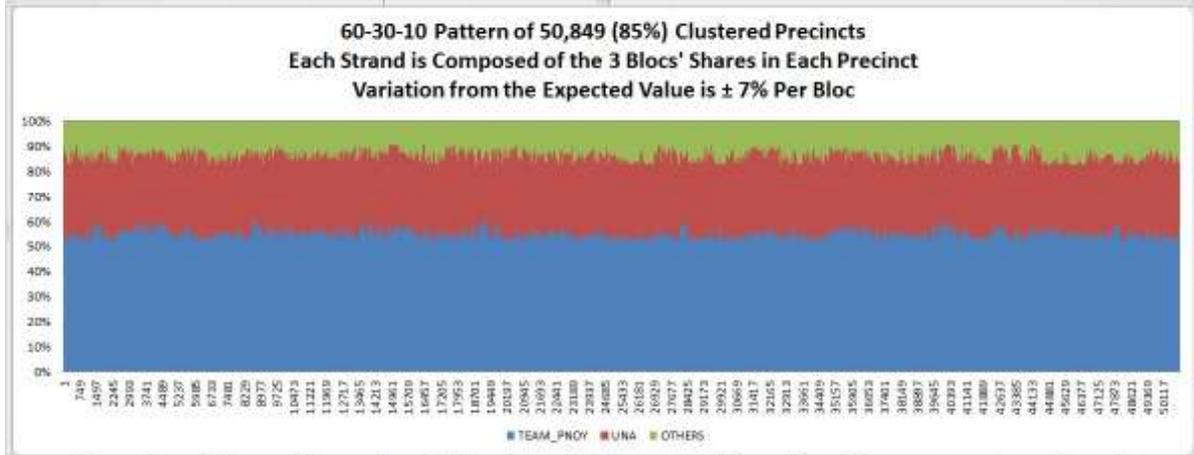
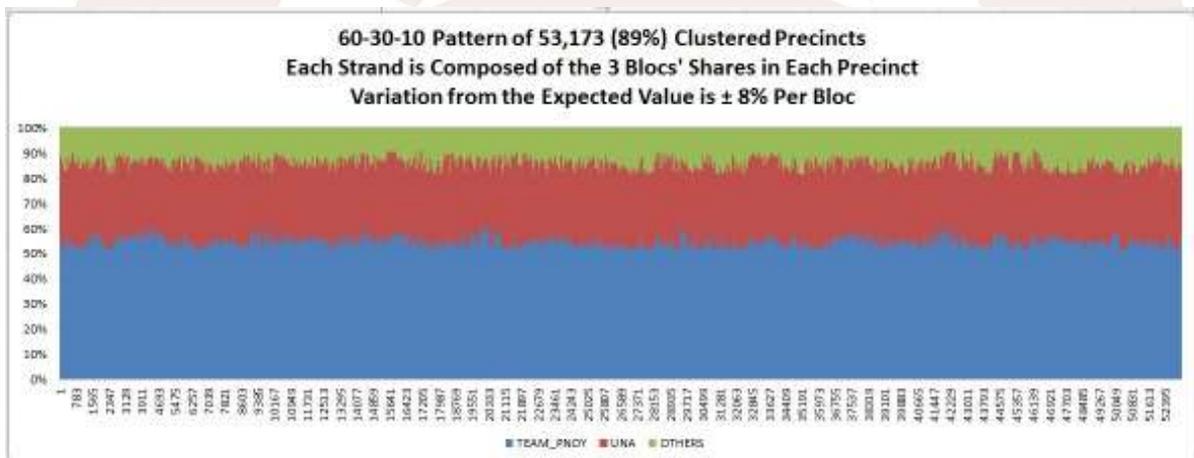
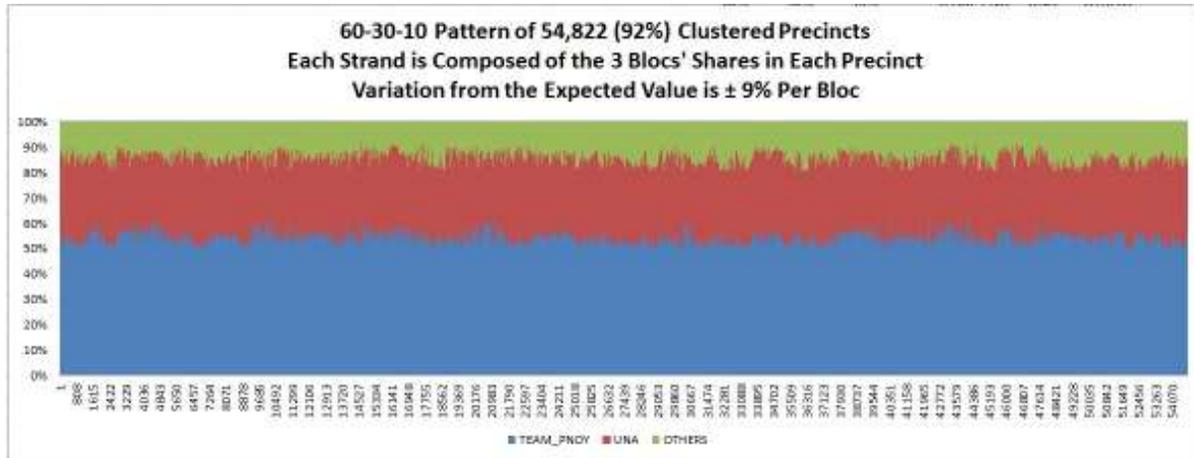




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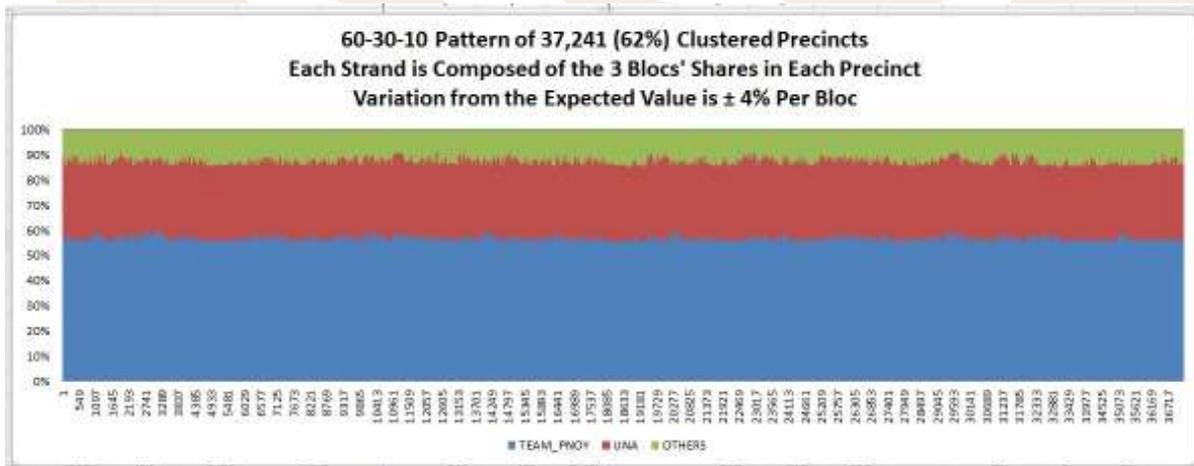
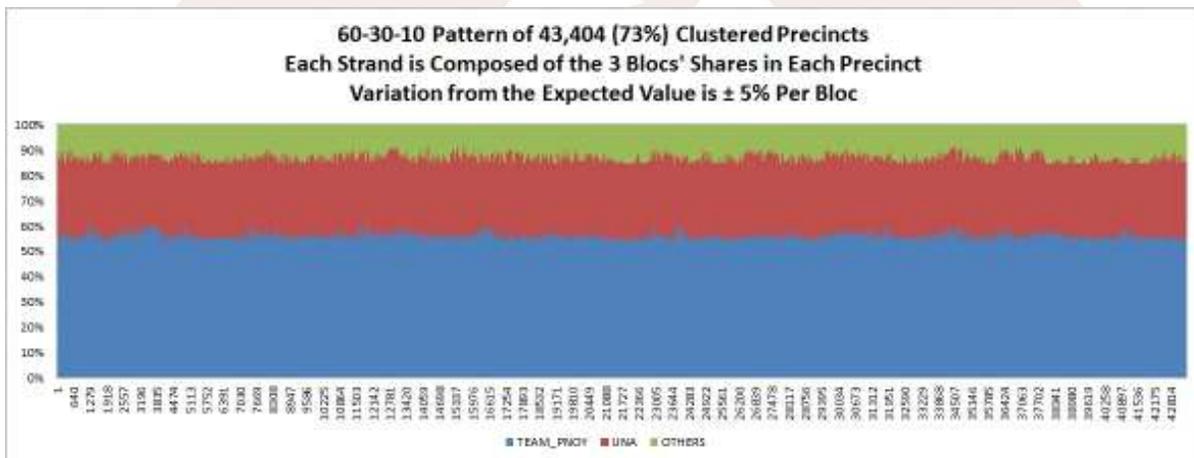
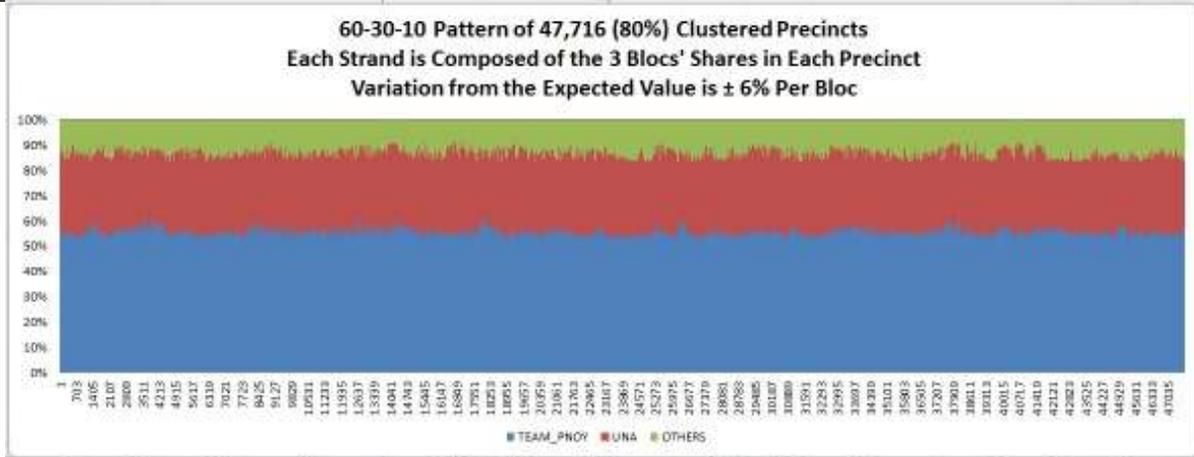
Of the 59,667 clustered precincts posted by the PPCRV in its website. We see the following 60-30-10 pattern.





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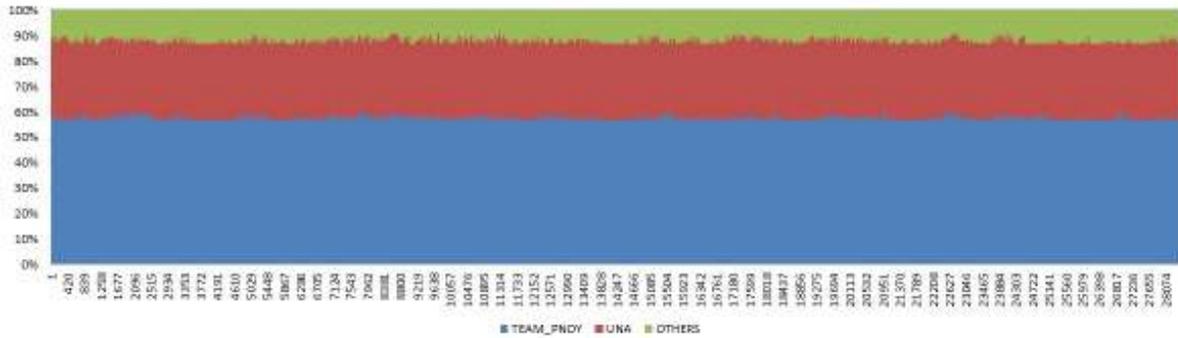




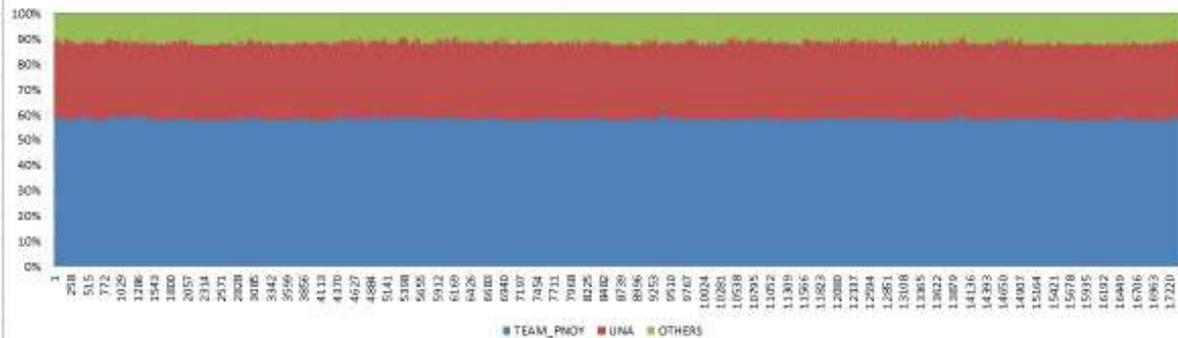
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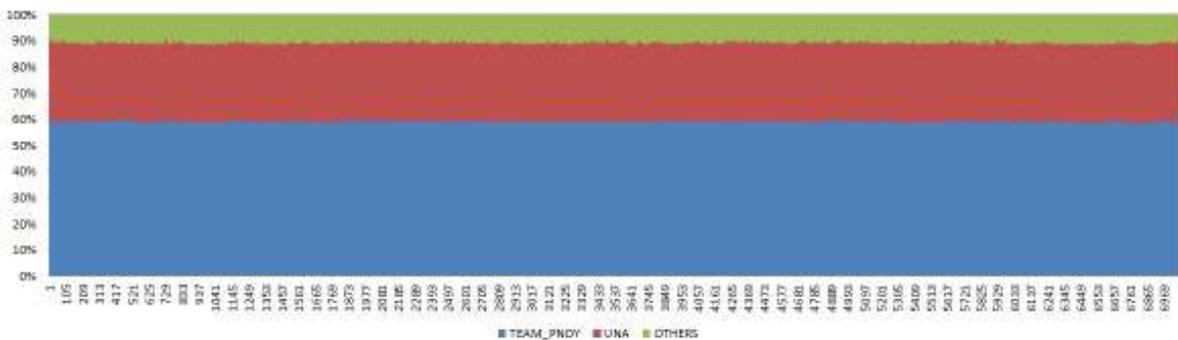
60-30-10 Pattern of 28,471 (48%) Clustered Precincts
Each Strand is Composed of the 3 Blocs' Shares in Each Precinct
Variation from the Expected Value is $\pm 3\%$ Per Bloc



60-30-10 Pattern of 17,438 (29%) Clustered Precincts
Each Strand is Composed of the 3 Blocs' Shares in Each Precinct
Variation from the Expected Value is $\pm 2\%$ Per Bloc



60-30-10 Pattern of 7,065 (12%) Clustered Precincts
Each Strand is Composed of the 3 Blocs' Shares in Each Precinct
Variation from the Expected Value is $\pm 1\%$ Per Bloc





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