

Process Description

Objective:

Assign random numbers to each of the 40 Senate districts identified in court-ordered map CPS-4a.

Methodology:

1. Use numbers 1 through 40 to represent the districts identified in court-ordered map CPS-4a.
2. Generate a random number value for each district.
3. Sort the random number values associated with the district numbers from smallest to largest.

Steps to Accomplish the Objective Using the Excel Application:

1. Place column headers in cells A1-A3.
2. List each Senate district identified by numbers 1 through 40 in cells A2-A41.
3. Use the RAND function of Excel: Type **=RAND()** in cell B2 and copy the function to cells B3-B41. This generates a random number in cells B2-B41.
4. The Excel RAND function continually generates random numbers each time any cell in the worksheet is updated. To preserve the random number value assigned to the district numbers, select the range of random number cells (B2-B41), COPY, then PASTE SPECIAL as VALUES. This will preserve the random values generated by the RAND function in cells B2-B41.
5. Sort the list by random number value, smallest to largest.
6. In cells C2-C41, order the list 1 through 40.
7. The Auditor General will certify the results.

Steps to Number the Districts Based on Results from Random Number Value Generation:

1. The first 20 districts, as identified in court-ordered map CPS-4a, in the list sorted by random number value from smallest to largest will be designated as “even” number districts; the remaining 20 districts will be designated as “odd” number districts.
2. Beginning with the westernmost district, senate staff will assign district numbers according to the results from the random number value generation. For example, if the westernmost district is designated as an “even” number district it will be assigned the number “2.” If the next district is designated as an “even” number district it will be assigned the number “4” or if it is designated as an “odd” number district it will be assigned the number “1.” This process will continue until all districts have been numbered.
3. A new redistricting plan, consisting of the district lines from CPS-4a and the district numbers determined by this process, will be published on the Senate website this afternoon.