

Appendix B

Assignment of Executive Committee Seats to Districts

1. There are 18 seats on the Executive Committee. Initially, each of the nine (9) MIAA districts is assigned one (1) seat.
2. The remaining 9 seats are assigned as follows:
 - a. One month before the date of the election, the Vice President determines the total number of MSTCA members in good standing.
 - b. The Vice President, assisted by the Chair of the Board of Trustees, performs the following calculations:
 - i. Divide the total number of MSTCA members by 18. This is called the “average members per seat.”
 - ii. Divide the total members in each district by the “average members per seat.” This is called the “preliminary seats for each district.”
 - iii. Each district whose “preliminary seats for each district” is greater than or equal to 4 receives three (3) additional seats.
 - iv. Each district whose “preliminary seats for each district” is greater than or equal to 3 receives two (2) additional seats.
 - v. Each district whose “preliminary seats for each district” is greater than or equal to 2 receives one (1) additional seat.
 - vi. Any remaining seats are allocated to the districts by the following process:
 1. Subtract the number of seats allocated to the district so far from the “preliminary seats for each district.” Call this number “remaining preliminary seats.” Allocate the remaining seats to the districts with the largest value of “remaining preliminary seats,” in decreasing order, until all of the 9 seats have been allocated. See example below.

Example: suppose the MSTCA membership by district is as follows:

District 1:	80
District 2:	56
District 3:	120
District 4:	90
District 5:	76
District 6:	90
District 7:	68
District 8:	104
District 9:	36
Total Membership:	720

Average Members per seat = $720 / 18 = 40$

Preliminary Seats for each district:

District 1:	$80 / 40 = 2.00$
District 2:	$56 / 40 = 1.40$
District 3:	$120 / 40 = 3.00$
District 4:	$90 / 40 = 2.25$
District 5:	$76 / 40 = 1.90$
District 6:	$90 / 40 = 2.25$
District 7:	$68 / 40 = 1.70$
District 8:	$104 / 40 = 2.60$
District 9:	$36 / 40 = 0.90$

District 3 gets 2 additional seats. Districts 1, 4, 6, and 8 each get 1 additional seat. This leaves 3 seats to be allocated by the fractions.

District 1:	$2.00 - 2 = 0$
District 2:	$1.40 - 1 = 0.4$
District 3:	$3.00 - 3 = 0$
District 4:	$2.25 - 2 = 0.25$
District 5:	$1.90 - 1 = 0.90$
District 6:	$2.25 - 2 = 0.25$
District 7:	$1.70 - 1 = 0.70$
District 8:	$2.60 - 2 = 0.60$
District 9:	$0.90 - 1 = -0.10$

District 5 gets the next seat as 0.90 is the largest fraction remaining. Then district 7 gets a seat, as 0.70 is the 2nd largest fraction, and finally District 8 gets the final seat for their fraction of 0.60. Final allocation of seats:

<i>District</i>	<i>Members</i>	<i>Seats</i>
District 1:	80	2
District 2:	56	1
District 3:	120	3
District 4:	90	2
District 5:	76	2
District 6:	90	2
District 7:	68	2
District 8:	104	3
District 9:	36	1