

For state and national lead competition, the place of the competitor after each qualification round is based on the following procedure:

Each competitor participating shall be awarded Ranking Points for each route as follows:

- a) Where the competitor has a unique ranking on the route, equal to the ranking of the competitor;

Or

- b) Where two or more competitors are tied on the route, equal to the average ranking of the tied competitors in their Starting Group.

Example: Where there are 6 ties at 1st place then the Ranking Points awarded to each tied competitor will be equal to $(1 + 2 + 3 + 4 + 5 + 6) / 6 = 21 / 6 = 3.50$

Example: Where there are 4 ties at 2nd place then the Ranking Points awarded to each tied competitor will be equal to $(2 + 3 + 4 + 5) / 4 = 14 / 4 = 3.50$

The ranking of competitors for the Qualification round shall be in ascending order of the Total Points awarded to each competitor (i.e. lower Total Points is better), calculated according to the following formula:

$$TP = \sqrt{(R1 * R2 * R3 * R4)}$$

Where:

TP = Total Points

R1 = Ranking Points on first Qualification route

R2 = Ranking Points on second Qualification route

R3 = Ranking Points on third Qualification route

R4 = Ranking Points on fourth Qualification route

The points and ranking calculation for the above shall use arbitrary precision arithmetic. Points and ranking data presented on the Official Results list shall be presented to two (2) decimal places.

Where competitors are tied, their start order for finals will be randomly determined.

This is taken from the SCA Competition policy and may be subject to change. To see the full policy, [click here](#).