

2. Handicap Improvement Points: Three points shall be awarded for improving upon the racer's best race handicap of the season.
3. Participation Points: One point is earned for starting a race unless that racer earns placement points.
  4. One race will be dropped for each racer in determining the final standings. (i.e. If five races are held, four of five race scores will be used.)

V. Handicap System

A. Class Barriers:

Class	Men's Handicaps*	Women's Handicaps*
Beginner	50.0 or greater	100.0 or greater
Novice	40.0 to 49.9	70.0 to 99.9
Intermediate	31.0 to 39.9	55.0 to 69.9
Advanced Intermediate	25.0 to 30.9	44.0 to 54.9
Advanced	20.0 to 24.9	35.0 to 43.9
Expert	12.5 to 19.9	27.0 to 34.9
Elite	0.0 to 12.4	0.0 to 26.9

\*See Exhibit A for method of calculating handicaps

- B. A racer's handicap (HR) is a number, computed as provided in the League Rules, which express the percentage by which the racer's time in a particular race exceeds the theoretical time that a racer with zero handicap points would ski the course.
- C. The time of a racer using a snowboard shall be adjusted downward by 10% prior to calculation of their handicap (i.e. a snowboarder whose time is 50.0 will be adjusted to 45.0 (50.0 x 90%)). The adjustment factor was established by NASTAR as the difference between top skiers and snowboarders.

VII. Race Operations

- A. Start Order
  1. Members race together as a team, one following the other or at the discretion of the starter. Team captains shall be responsible for monitoring the progress of the race and shall make sure that their team is ready to race in their designated start order.
  2. First race of season: The team starting order shall be determined by the Board.
  3. Subsequent races: The starting order shall be determined by the current Team Standings in the League; the last place team shall race first, the second to the last place team shall race second, etc. and the first place team shall race last.
  4. Missed starts: If a racer misses his/her team's starting time:
 

First run - may be taken following the completion of all teams' first runs. If second runs are in progress, the racer shall be entitled to one run only with his/her team at the scheduled second run time.

Second run - if racer made the first run, the second run may be taken following completion of all teams' second runs.
  5. The course will close at the discretion of the Chief of Race.
  6. The PACRAT chairperson or his/her designee will act as chief starter. The chief starter is empowered to determine team/individual racer start order within his/her discretion consistent with the objectives of PACRAT racing.

- B. Disqualification will result from the following:
1. Missing a gate: Not going through each gate with both feet and with both skis attached. Exception: both feet with one ski attached allowed through the final two gates (including the finish gate).
  2. Loss of a ski or board, except in the last two gates. Unless hurt, the racer shall move to the side of the course to put ski(s) or board back on to avoid interfering with the next racer. Racers are not to complete the run putting ski(s), snowboard or mono-ski back on.
  3. Receiving physical assistance during the race.
  4. Any person found wearing another's bib or racing when ineligible will be disqualified and their team will lose any points earned that day, by the entire team.
- C. Disqualification for the day or remaining race season may result from the following at the direction of the Chief of Race:
1. Skiing/boarding through any two gates prior to the race. Skiing/boarding along the edge of the course for the purpose of practicing the line or terrain features (shadowing).
  2. Unsportsmanlike conduct or language.
  3. Racer fails to let an overtaking racer pass on first demand in the case of two racers on the course simultaneously.
  4. Not signing individual race entry release form.
  5. Refusal to do share of work on the race, if requested, including course slipping.
  6. Failure to have race bib visible while racing the course.
  7. General:
    - (a) In the event that both a disqualifying action and timing malfunction occur in the same run, the disqualifying action takes precedence.
    - (b) Disqualifications may be appealed to the Board.
- D. Re-runs: All re-runs will be allowed as soon as feasible following completion of the team currently on course. Re-runs will be permitted for the following:
1. False start: A false start is declared if the starter calls back the racer before he passes through the second gate.
  2. Timer malfunction.
  3. Interference by racer or transient skier. If the racer claims interference during a run, a re-run may be permitted; however, final acceptance of the re-run will be at the discretion of the Chief of Race.
- E. Protests: Protests must be reported to the Chief of Race within one hour of the end of the race. Final determination of a protest shall be by the Board, but only if previously submitted to the PACRAT Chairperson in writing.
- F. Postponements: Postponement of a race will be decided by the PACRAT Chairman, or his/her designee, in consultation with the Board.
- G. Official Results: The race results will be declared official after the Board has:
1. Acted upon all protests, disqualifications, and injuries; and

2. Approved the results as compiled and presented.

## EXHIBIT A

### HANDICAP CALCULATION

The following methods will be used to calculate individual racers handicaps, using the statistical approach used by the Recreational Race Leagues in other regions of the United States.

ZPT = Zero Par Time (Theoretical fastest possible time on the course)

TP = Pacesetters Time

HP = Pacesetters Handicap

HR = Racer's Handicap

HC = Class Handicap Cutoff Time

TR = Racers Time

TC = Class Cutoff Time

$ZPT = TP / (1 + (.01 * HP))$

$HR = 100 (TR - ZPT) / ZPT$

$TC = ZPT * (.01 * HC)$

$HC = ZPT + ((ZPT * Handicap) / 100)$

ZPT will be calculated for all Pacesetters. The course ZPT will be the average of the tightest cluster of ZPTs.