

## SPOKES GRADING METHODOLOGY

Date: June 2016

The following describes the Handicapping/Grading System for Spokes Cycle Club.

Grades A1, A2, B1, B2, C1, C2, C3, and D will be set based on achieved riding speed data in Spokes Cycle Club Events and Spokes supported Events with data available to the Handicap Committee. Grading speeds depend on Grade and event length and are documented in the "Handicap Time Adjustments" available in the Documents section on the Spokes Cycle Club Website [go to membership then Documents menu on [spokescycleclub.com.au](http://spokescycleclub.com.au)].

Each member will be graded as follows:

- Average of the 4 best recorded event speeds from the last 12 individual events calculated from event distance divided by event time for which the Handicap Committee has data will be used to determine the individuals grading from the grading matrix loaded onto the Club website within the "Handicap Time Adjustments" document.
- Time Adjustments to recorded event times achieved by each rider will be used to determine corrected times for a handicap adjusted time then used to determine the handicap finish times. Time adjustments for each grade are to be used in accordance with the time Adjustment Matrix loaded onto the Club website within the "Handicap Time Adjustments" document.
- The Committee reserves the discretion to review all data from past events to select the most appropriate event performances and the data can be supplemented as determined by the Handicap Committee if there is appropriate alternate information available from any appropriate source.
- Individuals with data for less than 10 events over the last year will have a factor of 3% added to their best 4 event average speeds, 5% will be added if data set is less than 8 and 10% if there it is 4 or less.
- Performances that are outliers to the data or multiple statistically significant under-performances may be ignored at the discretion of the Handicap Committee.
- Adjustments will be made for headwinds or tail winds during an event with windspeed estimated at 10 kph intervals and a 5% weighing on each event speed achieved per 10 kph of windspeed.
- Gradings will be adjusted at a minimum interval of every two months.

A minimum of 4 event performances are required for a Club Member to attain points in the handicap Award category in accordance with the Club Awards.