APPLICATION FOR ROAD RACE COURSE CERTIFICATION USING THE CALIBRATED BICYCLE METHOD

Name and address of person in charge of course measurement.

Name of race.

City where race is held.

Sponsor of race.

Describe the course by giving the names of streets/roads on the course. Name the park if course is located in one. Submit a map of the course--need not be to scale.

Do you rate the course as flat, or rolling, or hilly, or very hilly?

Did you calibrate the bicycle with a road calibration course which has been previously approved by the AAU Standards Committee?_____

If not, submit information now on another sheet of paper as follows:

1. Name and address of leader of measuring team that measured the road calibration course.
2. How many men helped to measure the calibration course? List duties.
3. What measuring experience has the leader of the measuring team had in tape measuring?
4. How many times did you tape measure the road calibration course? And what was the difference(s) in the measurements?
5. Did you check the road calibration course by any other means (if so, how and with what results) ?
6. How did you check the tape tension during the measurements?
7. How is the start and finish of the road calibration course marked?
8. Where are the start and finish marks (lines) located--on the road where the bicycle can touch them or are they elsewhere?
9. How long is the road calibration course (not the race course)?
10. Did you inspect the tape for crimps, splices? Has it been calibrated?

NOTE: There are 3 Counter Systems in use on bikes for measuring: 1) The "Jones Assembly," with which "counts" are recorded from the meter; 2) The Veeder-Root 5 Star Wheel Counter, with which Revolutions of the wheel are recorded on the meter, and Spokes for fractions of a revolution: reduce fraction to 2 place decimal fraction, e.g. 792 revs + 18 spokes or 18/36 rev = 792.50 revs; and the "Senechalle Assembly" in which you deal with Odometer Units and Wheel Units. Record according to your unit.

How long is the road calibration course used to calibrate the bike?

What was the "constant" or mileage or kilometer measuring figure, for this measuring occasion, obtained by riding over the road calibration course? LIST all calibration figures and constant:

1._____ 3._____

2._____ 4._____ Constant_____

When did you re-calibrate the bike after measuring the race course?

List the figures gotten when the bicycle was recalibrated on the road calibration course after measuring the race course:

First measuring occasion:_____ _____ Constant for that day:_____

Second measuring occasion: Calibration figures: 1._____ 2._____

3._____ 4._____ Constant_____

Recalibration figures: 1._____ 2._____ Constant for day____

How many "counts" (or revolutions/spokes, or odometer & wheel units) equalled one mile or one kilometer on this measuring occasion(s)?

For the Senechalle Assembly only, record additional results here:

N	K	W	D

(see other side)

Give the total number of "counts" (or revolutions /spokes or odometer/ wheel units) needed to cover the race course.

On separate sheet, send copy of field notes or counter readings taken while riding over the course.

What is the exact length of the race course from start to finish?

Give date(s) course was measured.

Describe how you marked the start and finish points/lines of this road race course.

Do you have notes fixing the start/finish points so that you can relocate them in case your markings are removed unexpectedly? Describe.

Is part of the race course on dirt or grass?

a) If so, how much of each?

b) By what means were those non-paved stretches measured?

Did the same person ride the bicycle on both the calibration course and on the road race course measurement?

Were the calibration course and the race course dry during the measurements?

Did you calibrate the bicycle and measure the race course all in one day on each measuring occasion?

Where on the road, in relation to curbs, lines, fences, obstacles, etc., was the race course measured?

Describe how you measured around corners at intersections.

Did you check the course length by a second method? If so, with what results (give figures)?

If the course is located at high altitude, what is the altitude ?

How long did it take to measure the course?

If not a new course, what is the course record and who holds it?

If this is to be an annual event,is there someone who will be responsible for identifying the start and finish points before each race, and who will inspect the measured route annually to detect road changes,and to make appropriate changes as needed?

Submit any other information which might help the Standards Committee in its evaluation of your measuring job.

Answer all questions.
Send results in duplicate if possible.

Return this form to: Ted Corbitt, Apt.8H Sect.4, 150 W.225 St., New York, N.Y. 10463

APPLICATION FOR ROAD RACE COURSE CERTIFICATION USING THE CALIBRATED BICYCLE METHOD

Answer all Questions.

Name of race.
City and State where race is held.

Name and address of person in charge of course measurement.

Sponsor(s) of race:

Describe the course route: Give names of streets/roads. Name the park if course is located in one. Submit a map of the course--need not be to scale.

Terrain of course (circle answer): very flat mostly flat slightly rolling mostly rolling hilly very hilly mostly downhill mostly uphill mountainous

Type of surface on race course--give percentages:

______city streets (curbed)	______sidewalks	______smooth trail
______paved roads (no curbs)	______paved bike path	______rocky trail
______gravel road	______unpaved bike path	______other (describe)
______dirt road	______grass	

Describe, on another sheet, how you measured any non-paved portions of the race course.

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Type of course (Check one):

______single loop	______out-and-back
______same loop______times	______same out-and-back______times
______double loop	______multiple out-and-back (different)
______double loop____times	______point-to-point
______partial loop	______keyhole (out-loop-back)
______multiple loops (different)	______other (describe)________________________

+ +

Elevation (altitude above sea level) of the course: Start________Peak________Finish______
Distance between start and finish or actual length of race course__________________

List intermediate splits measured and marked______________________________________
____

Give detailed description of location of start______________________________________
____

Give detailed description of location of finish_____________________________________
____

Give description of location of turn around point if there is one____________________
____

Date(s) course measured for certification____

Do you have written notes fixing the start and finish (and turn around point if applicable) so that you can relocate them in case your markings are removed?______________

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Did you calibrated the bicycle on a Road Calibration Course which has been previously approved by the AAU Standards Committee ?_____________If so, list a race course using it for certification purposes____

IF NOT, submit information now, on another sheet of paper, on the chaining or the electronic measurement of the road calibration course. Answer the following questions:

1. Name and address of leader of measuring team that measured the Road Calibration course.
2. How many men helped to measure the road calibration course (not race course)?
3. What measuring experience has the leader of the measuring team had in tape measuring?
4. List duties of members of tape measuring team.
5. How many times did you tape measure the Road Calibration Course?
6. List the exact differences between the measurements of the calibration course.
7. How did you handle the differences ?
8. How did you check the tape tension during the measurements?
9. Did you check the Road Calibration Course by any other means, and if so, how and with what results?
10. How are the start and finish points of the Road Calibration Course marked ?
11. Are the start and finish points located on the road where the bicycle wheel can touch them, or elsewhere ? Explain.
12. How long is the Road Calibration Course (not the race course)?

 Application for Certification: Calibrated Bicycle Method

13. Did you inspect the steel tape for crimps, and splices ?
14. Has the tape been calibrated ?
15. Of what material was the tape made of ?
16. Electronic Measuring Device: IF YOU USED AN ELECTRONIC MEASURING DEVICE TO LAY OUT the Road Calibration Course, give: name of device, and who operated it. Describe what was done and date done: number of readings, results, and how start and finish points are marked, and location of the road calibration course.

NOTE: There are two Counter Systems in use, on bicycles for measuring road race courses: 1) The "Jones Assembly," with which "counts" are recorded on the meter; and 2) The Veeder-Root 5 Star Wheel Counter, with which revolutions of the wheel are recorded on the meter; and spokes are counted for fractions of a revolution: reduce fraction to a 2 place decimal fraction, e.g. 792 revs + 18 spokes (on 36 spoke bike wheel) or 18/36 rev = 792.50 revolutions.

How long is the Road Calibration Course?_____

What is the "constant" or mileage or kilometer measuring figure for this measuring occasion, obtained by riding over the Road Calibration Course, both before and after measuring the race course?_____

LIST all calibration figures and initial constant:

1._____ 3._____ Constant_____

2._____ 4._____

WHEN did you re-calibrate the bike after measuring the race course?

List re-calibration figures gotten after measuring the race course the first time:

1._____ 2._____ Constant for the day_____

SECOND MEASURING : (If on day different from first measurement) Calibration figures:

1._____ 2._____ 3._____ 4._____

Constant_____ RECALIBRATION figures: 1._____ 2._____

Constant for second day_____

How many "counts" or revolutions equalled one mile (or one kilometer) on this measuring occasion(s)? First day or measurement_____ Second day_____

List the total number of "counts" recorded in covering the race course: First measurement_____ Second measurement_____

What was the difference between the first and second (or more) measurements of the race course (in feet, yards, revs, or counts)?_____

On a separate sheeet, send copy of field notes or counter readings taken while riding over the race course.

Did the same person ride the bicycle on both the calibration course and on the race course measurement?

Were the calibration course and race course dry during the measurements?

Did you calibrate the bicycle and measure the race course all in one day on each measuring occasion?

Where on the road, in relation to the runner's path , or to curbs, lines, obstacles, etc. was the race course measured ?

Describe how you measured around corners at intersections and around turns?

Did you check the course by a second method and if so with what results?

How much time did each course measurement take?

If not a new course, what is the course record, and who holds it?

If this is to be an annual event, is there someone who will be responsible for identifying the start and finish (and turn arounds) points before each race; and, who will inspect the measured route annually to detect road changes, and to make appropriate changes as needed?_____ IF so, give name and address:

Submit any other information which might help the Standards Committee in its evaluation of your measuring job.

RETURN THIS FORM TO: Ted Corbitt, Apt.8H Sect.4, 150 W. 225 St., New York, N.Y. 10463

NOTES:

1. Send stamped, self addressed envelope for reply.
2. Send measurement results in duplicate if possible.
3. If in the future, the name of the race is changed, or if the race is abandoned, report this to the Standards Committee.
4. If the race course route is changed, get it re-certified.
5. IF ACCEPTED, THIS INFORMATION WILL ALSO GO INTO THE National Running Data Bank, Tucson, Arizona.