



Road Running Technical Council  
USA Track & Field

Measurement Certificate

recognized by



Name of the course 2017 Tustin Hanger 5K Distance 5 km

Location (state) California (city) Tustin

Type of course: road race  calibration course  track

Measuring Methods: bicycle  steel tape  electronic distance meter

Measured by (name, address, phone & email) Brandon Hough 719.210.4425  
2058 N. Mills #454 Claremont, CA 91711 brandon@spectrumsports.net

Race contact (name, address, phone & email) Jonathan Pauley 949.975.1812  
22600-C Lambert St. Lake Forest, CA 92630 jonathan@renegaderaceseries.com

Date(s) when course measured: January 27, 2017

Number of measurements of entire course: 2 Course Configuration: Several out backs

Elevation (meters above sea level) Start 15.2 m Finish 15.2 Highest 17.4 Lowest 14

Straight line distance between start & finish 0 Drop 0 m/km Separation 0 %

Type of surface: paved 95 % dirt      % gravel 5 % grass      % track      %

Effective date of certification: February 21, 2017 Certification code: CA17019RS

Notice to Race Director: Use this Certification Code in **all** public announcements relating to your race.

**Be It Officially Noted That**

Based on examination of data provided by the above named measurer, the course described above and in the map attached is hereby certified as reasonably accurate in measurement according to the standards adopted by the Road Running Technical Council. If **any** changes are made to the course, this certification becomes void, and the course must then be recertified.

**Verification of Course** — In the event a National Open Record is set on this course, or at the discretion of USA Track & Field, a verification remeasurement may be required to be performed by a member of the Road Running Technical Council. If such a remeasurement shows the course to be short, then all pending records will be rejected and the course certification will be cancelled.

This certification expires on December 31 in the year 2027

AS NATIONALLY CERTIFIED BY:

*Ron Scardera*

Date: February 22, 2017

Ron Scardera — USATF/RRTC Certifier  
5660 Valley Oak Drive, Los Angeles, CA 90068 - 323.896.7750 - rscar@pacbell.net

USATF Certificate CA17019RS  
Effective February 21, 2019 to December 31, 2027

Mapped and Measured by Brandon Hough  
1/27/2017 - Brandon@spectrumsports.net

Mile	Location
5k Start	Even with center of double doors at 2324 Park Avenue
U-turn 1	Inside Tustin Hangar on the sound end, at column N03, 3 concrete slabs from South Doors
1	Inside Tustin Hangar on the north end, at column N035
2	On Tustin Ranch Rd, 8 yards north of Irvine Ranch Manhole, 18 yards north of 2nd light pole (4927264E) past Victory Rd
U-turn 2	On Tustin Ranch Rd, 7' north of light pole (4827276E)
3	On Tustin Ranch Rd, even with apex of west curb return on 1st driveway east of Park Avenue
Finish	Even with center of double doors at 2324 Park Avenue

