

# Cycling – Road (Criterium and Velodrome)

## Fact Sheet

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Road and velodrome cycling features various forms of racing which may be either team-based or individual events, over a large variety of distances. Speed and strategy largely determine the winners of most cycling events, with the first rider over the finish line deemed the winner.

HIERARCHY					
Element	State	Regional	Local - Category A	Local - Category B	Notes
Total Site Area				8.5 ha criterium track 1.5 ha velodrome	
PLAYING AREA					
Orientation				-	
No. and size of playing areas				1 velodrome 1 criterium track	E Criterium - closed road circuit of not less than 800m and not more than 3km. Min width of 6m with a finishing straight of a minimum 200m length and 8m wide. The course must be closed to all traffic except for the official's vehicles. Gradient, which does not have to be great, would be preferable near the finish line, which is deemed to be a higher risk area. The introduction of camber into the surface could reduce the amount of accident that happen around the course. Consideration for a cyclo-cross track that would work in conjunction with the criterium circuit to encourage additional user groups.  Velodrome - Indoor/outdoor velodrome must be designed with competitor safety paramount and a minimum safe speed of 75km/h. The length of the track shall be such that a whole number of laps or half laps shall equal 1km exactly. Outdoor track must be 250m to 400m long with a radius of 19 to 50m and a uniform width of 7 to 10m.
Interchange steward/umpires/ officials box				Required	E Ideal to have a shelter on the inside of the track at the finish point for the finish line judges.
Playing area surfaces				Refer to Notes	E Criterium track – smooth asphalt Velodrome (indoor) – wooden floor Velodrome (outdoor) – smooth concrete
Playing area drainage				Refer to Notes	E Camber on track, cross-fall to facilitate water flow

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Playing area perimeter / run-off				Velodrome – Refer to Notes	E	Velodrome - Immediately inside the blue band there is a prepared and marked safety zone. The combined width of the blue band and the safety zone is at least 4m for tracks of 250m and over and 2.5m for tracks shorter than 250m.
Playing area marking				Velodrome – Refer to Notes	E	<p>Velodrome – A rideable area, sky blue in colour, known as the blue band is provided along the inside edge of the track. Width of the band is at least 10% of the width of the track and its surface has the same properties as the track.</p> <p>All tracks have a standard set of markings. Any demarcation, line advertisement or other marking on the track is applied with a point or product which is non-slip and does not alter the adhesion properties, consistency or homogeneity of the surface. The longitudinal lines on the track above the blue band are 5cm wide and the perpendicular lines are 4cm wide.</p> <p>Measurement line – is black or white to contrast with the track and placed with its inner edge 20cm from the inner edge of the track. It is marked off at every 5m and numbered at every 10m going counter clock wise from the finish line. Sprinter's line – is red and placed with its outer edge 90cm from the inner edge of the track.</p> <p>Finish line – situated toward the end of one of the straights but at least a few metres before the entrance of the banking. Marked by a perpendicular black line 4cm wide at the centre of a white band 72cm wide.</p> <p>200m line – a white line drawn across the track 200m before the finish line.</p> <p>Pursuit lines - two red lines half the width of the track in length, perpendicular to the track and precisely in line with one another are drawn at the precise midpoint of each of the straights to mark the finish points for pursuit events.</p>
Vehicle crossing point				Required	E	Where vehicles are required to cross the track surface (event vehicles or maintenance vehicles) it is best to identify one position for this to occur and strengthen the surface in the area to reduce wear and tear.
Signage				Required	E	Clear signage needs to be erected outlining the rules of usage, for example – ride in a clockwise direction, slower riders keep to the left, avoid sudden breaking.
LED sports lighting (average minimum lux)				Refer to Notes	E	<p>No Australian Standard.</p> <p>Indoor Velodrome - 300 lux - training or general activity</p> <p>Outdoor velodrome - 100 lux</p> <p>Criterion Track – 100 lux</p>

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Playing area fencing				Refer to Notes	E	<p>Criterion tracks - to be determined on a case by case basis however generally is required to ensure/enhance participant and spectator safety.</p> <p>Velodromes - UCI specify the outside edge of the track must be surrounded by a safety fence to protect riders and spectators - 90cm high smooth and unbroken for outdoor velodromes, 65cm high smooth and unbroken for indoor velodromes.</p>
Irrigation				Refer to Notes	E	Access to water for cleaning of the road surface is required.
SURROUNDS						
Storage (grounds maintenance)				18m <sup>2</sup>	E	Track maintenance equipment (6m x 3m bay).
Storage (playing equipment)				Included in clubhouse		Bike repair equipment, marquees, temporary fencing (6m x 3m bay).
Spectator seating				Shaded area for 150 persons seated, can utilise shade trees	E	Space for temporary individual seating or event seating.

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