

UniSA Australian HPV Super Series



2017 Series Information

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**University of
South Australia**



Bridge to Opportunity

The Rural City of
**MURRAY
BRIDGE**



**District Council of
Loxton Waikerie**



City of Busselton
Events Capital WA



**City of
Mount Gambier**

If changes are made to this document, the organising body will notify all teams via email who have entered an event and the revised document will be published on the website

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1 Introduction

The **UniSA Australian HPV Super Series and other related events (the Series)** is conducted by **Australian International Pedal Prix Inc. (AIPP)** the organising body.

2 Human Powered Vehicle Philosophy

The UniSA Australian HPV Super Series is a competition for single seat wheeled Human Powered Vehicles (HPVs). These vehicles are seen as an alternative transport for people seeking a healthy lifestyle and may be able to be used on public roads.

Prior to using a competition HPV on the road riders are advised to check with relevant authorities for any additional requirements. HPVs built as competition vehicles may not provide the rider sufficient visibility for road use nor be visible enough to other road users.

HPV event involvement is a learning exercise in the development of a team of people to understand and express sound mechanical and engineering principles. This is done by working to a design brief governed by the use of relevant construction specifications. Teams are required to test or appraise their vehicle against others on a closed, supervised and safety controlled circuit.

HPV competition encourages teams to plan and devise a competition strategy to complete each event with an efficient HPV.

The Events provide an environment in which young people can demonstrate:

- **Innovation** (lateral thinking, entrepreneurial thinking, creativity in engineering)
- **Risk taking** (design, planning and problem solving, entrepreneurial skills)
- **Collaborative learning** (team skills, communication, co-operation and working with industries)
- **Confidence** (taking on challenges, undertaking a task that requires perseverance and commitment, but is achievable)
- **Appreciation** (understanding the nature and the relationship of human power and alternative energies to materials and manufacturing systems)
- **Behaviour appropriate to the spirit of the event.**

3 Calendar of Events

In 2017 we will be conducting a total of 6 events, 5 of which constitute the Series. Details of each event are as follows:

Mt Gambier – Series Round 1

Scrutineering Friday March 31 – location in the CBD of Mt Gambier

Race Duration 8 hours – commencing 9.00am

Race day Saturday April 1 – McNamara Park motor bike race circuit

Loxton – Series Round 2

Scrutineering Saturday May 6 – location in the CBD of Loxton

Race Duration 6 hours – commencing 10.00am

Race day Sunday May 7 – Street Circuit Loxton CBD

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Adelaide – Series Round 3

Scrutineering Friday June 16 – location Victoria Park
Race day Category 4 Saturday June 17 – Victoria Park
Race Duration 6 hours – commencing 10.00am
Race day Category 1 - 3 Sunday June 18 – Victoria Park
Race Duration 6 hours – commencing 10.00am

Adelaide – Series Round 4

Scrutineering Friday July 28 – location Victoria Park
Race day Category 4 Saturday July 29 – Victoria Park
Race Duration 6 hours – commencing 10.00am
Race day Category 1 - 3 Sunday July 30 – Victoria Park
Race Duration 6 hours – commencing 10.00am

Busselton – Non Series race

Scrutineering Saturday August 19 – location Busselton YAC Hall
Race day Sunday August 20 – Street Circuit Busselton Foreshore
Race Duration 6 hours – commencing 10.00am

Murray Bridge – Series Round 5

Scrutineering day 1 Thursday September 21 – location Sturt Reserve
Scrutineering day 2 Friday September 22 – location Sturt Reserve
Race day Saturday September 23
Race Duration 24 hours – commencing 12.00pm

To be eligible for Series Awards teams must compete in at least 2 of the shorter Series races and the 24 hour race. Any combination of the shorter Series races is acceptable.

To be eligible to compete at the Murray Bridge 24 hour event teams must compete in at least 2 of the shorter duration races. To meet this requirement teams could, for example, compete at Mt Gambier and Loxton.

An Event Manual will be published for each race and available for download from the website. A Team Managers timeline will be published at the start of the year. This will set out critical dates for managers for all events.

3 Categories

Category 1 School

**Where riders are from Year 6 and 7 in 2017 from a single school
Up to 20 riders allowed per team**

Category 1 Community

**Community based - where riders are from Year 6 and 7 in 2017, not from a single school
Up to 20 riders allowed per team**

Category 2 School

**Where riders are under the age of 16 on January 1 2017 from a single school
Up to 14 riders allowed per team**

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Category 2 Community

Community based - where riders are under the age of 16 on January 1 2017, not from a single school

Up to 14 riders allowed per team

Category 3 School

Where riders are under the age of 19 on January 1 2017 from a single school

Up to 12 riders allowed per team

Category 3 Community

Community based - where riders are under the age of 19 on January 1 2017, not from a single school

Up to 12 riders allowed per team

Category 4 Community

Where riders exceed the age limit of Category 3, open to private individuals and groups irrespective of their background.

Up to 10 riders allowed per team

Category Notes

- a. *Each team must have at least one nominated Team Manager over the age of 18 years of age who is not a riding member of the team, unless permission is obtained from the Organising Body at least one week prior to the event.*
- b. *The Community Category is for teams made up of riders from across the community and offers the opportunity for sports teams, cultural and social groups and private individuals to enter within their age category.*
- c. *Within each Category is a sub Category for all female teams. In Category 4 there is a sub Category for Masters where all riders in the team are over 30 years of age on January 1 2017.*
- d. *There is a limit on the number of entries at each event and preference will be given – should a decision have to be made when upgrading teams from the waiting list – to teams who have entered multiple events and not just a single race.*
- e. *In the case of disadvantaged persons' teams, the number of members may be negotiated with the Organising Body at least one month prior to each event.*

4 Scoring

The vehicle finishing first in their category in any Series race will receive 150 points. Second place in category will receive 1 less point than first place and so on in a diminishing scale. Scores from all Rounds will be combined to determine the Series results. If there are less than 3 entries in a Category or Sub-Category no award will be given for the race result in that Category but Series points will still be credited to the entrants.

Teams must compete in 2 short duration Series races and the 24-hour race to be eligible for the Series. If teams compete in 4 or 5 Rounds of the Series their 1 or 2 worst short duration results will be dropped from their point score.

WA based teams competing in the Busselton 6 hour can count this as a Series Round. To be eligible for Series points they must compete in at least one other short duration Round and the 24 hour race.

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5 Awards

Endurance

Awarded at all Series Rounds and Busselton

First, second and third placed vehicles in each Category

Highest placed All Female Team in each Category (*subject to a min 3 teams entering*)

Highest placed Masters Team (*subject to a min 3 teams entering*)

Fastest Lap in each Category

Series Awards

Presented at Round 5

First, second and third placed team in each Category based on cumulative scores

Highest placed All Female Team in each Category based on cumulative scores

Highest placed Masters Team based on cumulative scores

Tim Bellotti Memorial Award presented to a team demonstrating fairness and performance over 24 hours

Bill Standing Memorial Innovation Award presented to a team demonstrating outstanding innovation in design

Chairman's Award presented at the discretion of the Chairman to a team or individual embracing the spirit and ethos of the 24-hour event

6 Registration

2017 Registrations open at 10.00am CDST on February 7.

Registration is only available on-line. Click on the 2017 Online Registration link at www.pedalprix.com.au

At the end of the process you will be issued with an invoice and vehicle number that is carried with your vehicle throughout all 2017 events.

Registration limits for 2017

Mt Gambier Series Round 1 – 150 teams

Loxton Series Round 2 – 150 teams

Adelaide Series Round 3 – 100 teams **Cat 4**

Adelaide Series Round 3 – 170 teams **Cat 1 - 3**

Adelaide Series Round 4 – 100 teams **Cat 4**

Adelaide Series Round 4 – 170 teams **Cat 1 - 3**

Busselton – 150 teams

Murray Bridge Series Round 5 – 200 teams

Once the limits are reached teams entering will be placed on a waiting list in the order they are received. Teams may participate in any or all events with the exception of Murray Bridge where teams must have competed in 2 shorter duration AIPP event to be eligible to compete. If registrations exceed the limit for any event preference will be given to institutional teams registered for multiple events.

The following forms must be submitted prior to competing in any Event.

- **Form 1 Principal's Declaration:** submit by 28 February
- **Form 2 Team Manager Declaration:** submit at Scrutineering for first event entered
- **Form 3 Consent, Release & Indemnity:** submit at Scrutineering for first event entered

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- **Form 4 List of Team Members:** submit at Scrutineering for each event entered
All forms will be available for download from the website.

7 Costs for 2017

Mt Gambier	\$350 + GST per vehicle
Loxton	\$350 + GST per vehicle
Adelaide June	\$450 + GST per vehicle
Adelaide July	\$450 + GST per vehicle
Busselton	\$350 + GST per vehicle
Murray Bridge	\$550 + GST per vehicle

8 Timing transponders

Teams are required to provide their own **Mylaps pro-chip flex** transponder. These can be ordered direct from Mylaps Sydney office at Unit 30/17 Lorraine Street Peakhurst NSW 2210. Phone 02 95331100 or online at <https://www.mylaps.com/en/products> The transponders have a life expectancy of up to 6 years and have a 2-year warranty. Transponders will need to be acquired prior to the first race entered. **We do not supply transponders at events.**

9 In Closing

Please contact the office if you require more information. Email office@pedalprix.com.au or phone 08 83571978

Compulsory reading available for download from the website

- Vehicle Design & Construction Specifications (**published January 2017**)
- Team Managers time line (**published January 2017**)
- Event Manuals (**published March to May 2017**)

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