

UNI SA AUSTRALIAN HPV SUPER SERIES

SERIES RULES AND INFORMATION



All enquiries regarding Rules to:

**Australian International Pedal Prix Inc
83 Goodwood Road, Goodwood SA 5034**

Telephone: 08 83571978

Email: office@pedalprix.com.au

Online address: www.pedalprix.com.au

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If changes are made to this document, the organising body will attempt to notify all teams who have entered an event in the Series via their e-mail contact and such changes will be published on the website.

Australian HPV Super Series - Rules and Information

1 Introduction

The **Australian HPV Super Series** is organised by **Australian International Pedal Prix Inc**, the organising body.

2 Human Powered Vehicle Philosophy

The Australian HPV Super Series is 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 requires teams to plan and devise a competition strategy to complete each event with an efficient HPV.

The Series provides 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 and conditions.**

The Series is currently made up of three events and –

- Generates enthusiasm, industry and commitment amongst students
- Gives practical relevance to many areas of study
- Encourages cross-curriculum linkages
- Brings together a broad cross-section of people to plan and work cooperatively
- Generates other linkages between educational institutions, business and industry and community groups.

3 Categories

Category 1 Primary (up to and including Year 7) - Up to 20 riders allowed per vehicle.

Category 1 teams are for riders from a single school. Small schools, Institutions or Organisations needing to combine to fill a team are welcome to seek approval from the Organising Body to remain in Category 1. approval will only be given where no proposed rider attends a school that currently has a team entered in their intended category in the Series and must be obtained in writing one month prior to each event.

Category 2 Junior Secondary where riders are under the age of 16 before the first day of competition (Sunday 30 May 2010) - Up to 14 riders allowed per vehicle

Riders in this Category are required to provide student identification at events.

Category 2 teams are for riders from a single school. Small schools, Institutions or Organisations needing to combine to fill a team are welcome to seek approval from the Organising Body to remain in Category 2. approval will only be given where no proposed rider attends a school that currently has a team entered in their intended category in the Series and must be obtained in writing one month prior to each event.

Category 3 Senior Secondary where riders are under the age of 19 before the first day of competition (Sunday 30 May 2010) - Up to 12 riders allowed per vehicle.

Riders in this Category are required to provide student identification at events.

Category 3 teams are for riders from a single school. Small schools, Institutions or Organisations needing to combine to fill a team are welcome to seek approval from the Organising Body to remain in Category 3. approval will only be given where no proposed rider attends a school that currently has a team entered in their intended category in the Series and must be obtained in writing one month prior to each event.

Category 4 For those who exceed the age limit of Category 3, private and/or non-institutional teams (including teams where the riders are selected across different schools, Institutions or Organisations) - Up to 10 riders allowed per vehicle.

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.*

Australian HPV Super Series - Rules and Information

- b. *To be eligible to be signed off as an Old Scholar Team by the School Principal, all riders **must** have attended the same school. Such Teams will be eligible to enter in their appropriate age category and will be treated as an institutional entrant.*
- c. *There is a limit of ten (10) non-institutional teams across the whole of the categories and preference will be given – should a decision have to be made when upgrading teams from the waiting list – to teams who have entered the entire Series and not just a particular round.*
- d. *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.*
- e. *Teams comprised of all female riders are welcomed and encouraged to enter in the category for which they are eligible.*
- f. *Teams who change categories at different rounds will forfeit all Series points.*
- g. *Teams not entered in all three Series events will not receive Series points.*

4 **Scoring**

- 4.1 The vehicle completing the most laps in the designated time receives one point/per vehicle that commenced the event – *for example if 120 vehicles started, then 120 points will be allocated to the vehicle completing the most laps.*
 - 4.2 The vehicle completing the second greatest number of laps receives one less point than the vehicle completing the most laps (*in the example = 119*).
 - 4.3 The vehicle completing the third greatest number of laps receives **one less point** than the vehicle completing the second greatest number of laps, and therefore, two less than the vehicle that completed the most laps (*in the example = 118*).
- And so on in an ever diminishing scale.
- 4.4 The vehicle completing the least number of laps in the designated time, will therefore obtain 1 point.
 - 4.5 Scores from all Rounds will be combined to determine the Series results.

5 Awards

The following awards will be presented throughout the Series

Awarded at all Rounds

Endurance (First, Second and Third placed vehicles – and highest placed all female team in each Category based on the greatest distance travelled)
Fastest Lap (each category)

Round 3 only

Series Award (First, Second and Third placed vehicles – and highest placed all female team – in each Category based on cumulative scores from each 2010 round)

Tim Bellotti Memorial Award

Bill Standing Innovation Award

Presentation Award

Design & Construction Award

Chairman's Award

6 Registration

For 2010 Registrations open at 9.00am on February 8th.

Registration is only via the on-line process. Click on **2010 Online Registration** in the left hand margin of 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 the 2010 Series.

Registrations for Rounds 1 and 2 will be limited to 175. Registrations for Round 3 will be accepted from the first 225 teams. No registrations are accepted after this unless there are cancellations. Teams not accepted within the first 225 are placed on a waiting list in the order they are received.

Teams may participate in any or all events. However, if registrations exceed the limit, preference will be given to institutional teams registered for all three events.

Australian HPV Super Series - Rules and Information

7 Costs for 2010

Round 1	=	\$180 + GST per vehicle
Round 2	=	\$180 + GST per vehicle
Round 3	=	\$450 + GST per vehicle

8 In Closing

Do not hesitate to call the office if you require more information. If you are looking for a ready made vehicle to get you started you should consider the Formula Tri-Sled category which is explained on the website. Alternatively, check out the For Sale area of the website or contact us. We may be able to assist. We can also arrange to provide mentoring to assist teams getting started.

Compulsory reading available for download from the website

- Australian HPV Super Series Vehicle Design & Construction Specifications
- Event Manuals for all Rounds (published March 2010)
- Information on Awards (published March 2010)

The following forms are sent to you as part of the registration process but it is worth reading them under **2010 Forms** on the website. Be aware they will not be accepted prior to you completing the registration process.

- Form 1 - Principal's Declaration
- Form 2 - Team Manager Declaration
- Form 3 - Consent, Release & Indemnity
- Form 4 - List of Team Members