

2009 IFMAR 1/10th EP Off Road World Championship

Stage Two Report



4 October to 11 October 2009

Pretoria - South Africa



From the Chairman and Organizing Committee of
2009 IFMAR 1:10 EP Off Road
Pretoria
South Africa

Event 4th October to 11th October

Dear Competitors...

We wish to welcome you all for coming this far to the almost southern tip of Africa
....and thank you for your support...

Tshwane Raceway and Promotions (TRAP) is a facility that you can use at any time convenient to you during the allowed hours.

TRAP functions as a Company, not a Club, as it is comprised of an association of persons working together to make this facility available to all. Currently, this company consists of various dedicated shareholders that have 65 years of combined knowledge regarding this hobby.

TRAP aims are the following:

To promote radio-controlled cars, to the prospective members of the public within the Tshwane and greater areas, catering for all on-road and off-road disciplines gas and electric.

Currently the radio-controlled industry in South Africa is small but it's potential to grow is substantial.

As TRAP is hosting its first and second IFMAR championship during October 2009 we welcome all the competitors to this championship.

Please enjoy this facility and if you have any request, feel free to contact any of the committee, present at this event.

Yours truly,

Rodney Michael

Organising Committee

TSHWANE RACEWAY AND PROMOTIONS (Pty) Ltd

2009 IFMAR 1:5 IC TRACK WORLD CHAMPIONSHIP ORGANISING COMMITTEE

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Point of Contact

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Your correspondence need not be directed to any specific person, e-mail is the preferred form of communication.

Details of Venue

TSHWANE RACEWAY AND PROMOTIONS (Pty) Ltd

TRAP R/C Venue



Located in Koedoespoort Pretoria, an industrial suburb North East of Pretoria and about 60km north of Oliver Tambo International Airport

The track has been built on a Spoornet land Racing Association along with the generous support of the council and local business.

The track features a rolling length of 150 metres and a track width of 3.5 metres.

Track

Restrooms, security and catering facilities are present with a club house being available. Over and above a large, secure parking area is available to visitors.

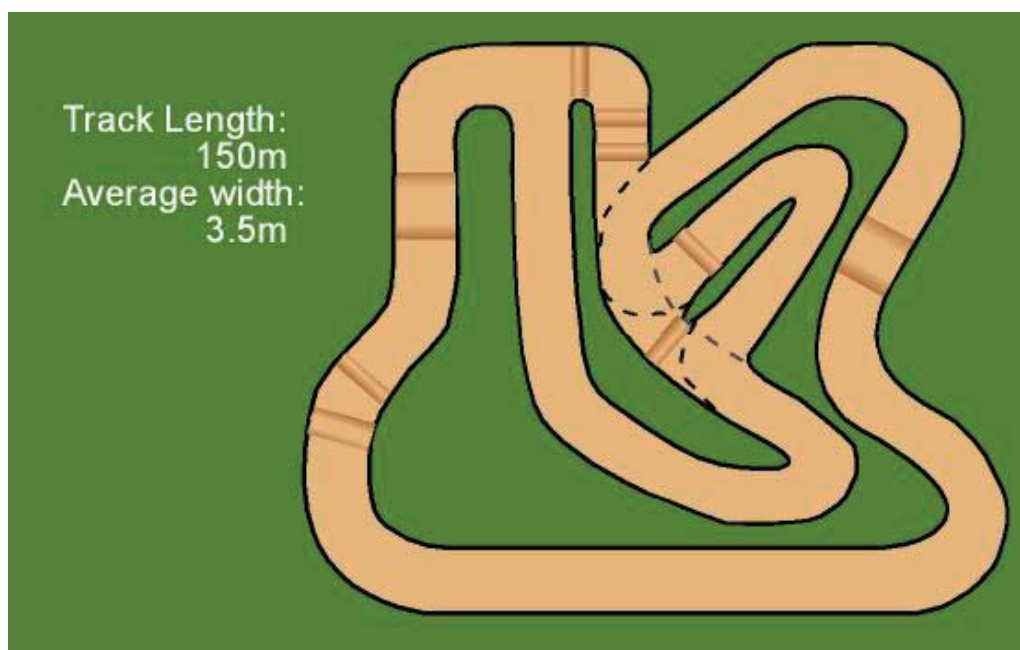
The pit and driver's stand areas have remote monitors to allow race control updates to be viewed by all drivers. A Public Address System with remote microphones for officials is installed and covers the entire area, as well as the Pit lane separately.

In the Pit areas electrical outlet points are available (220VAC - 50Hz)

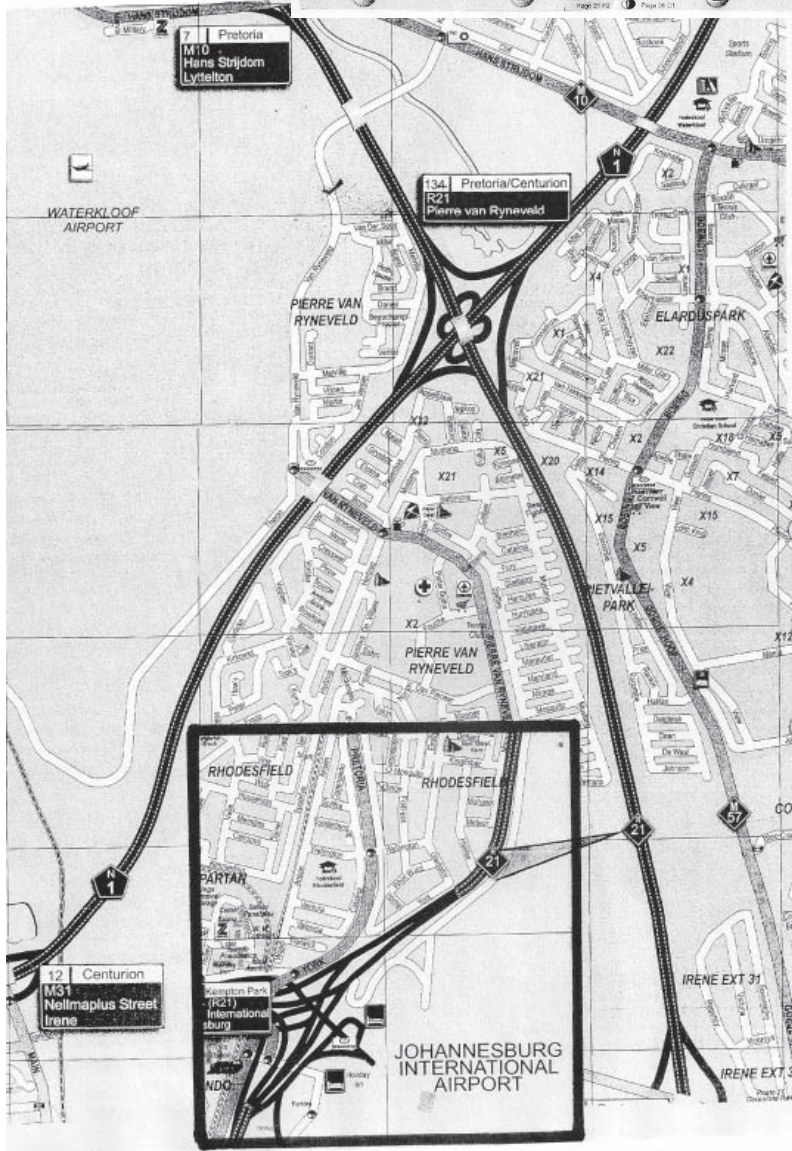
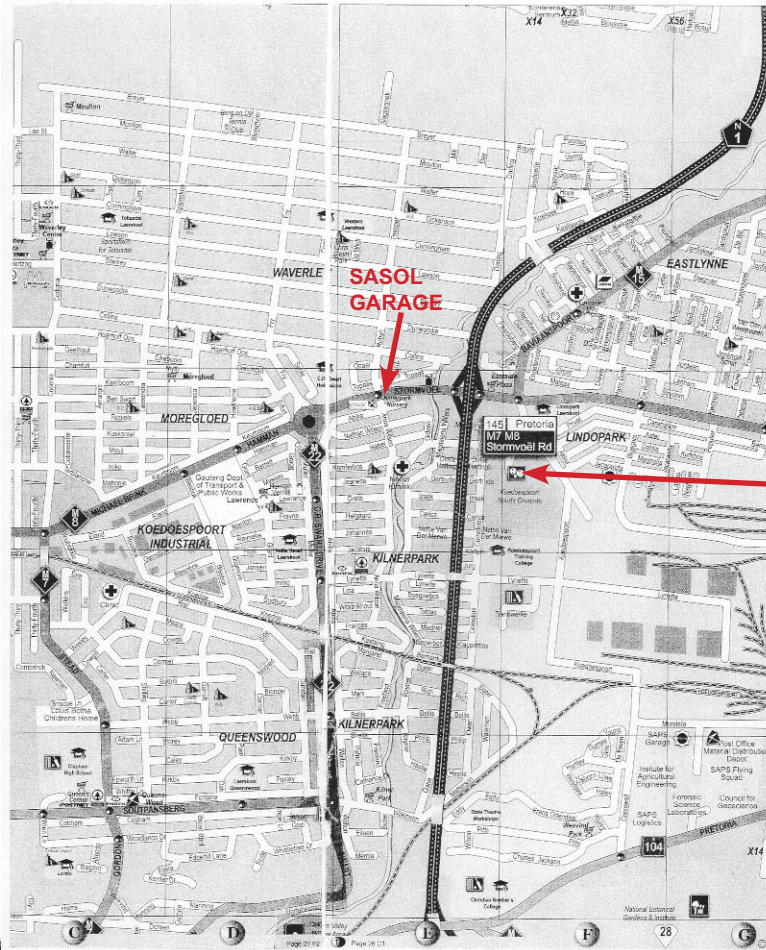
Compressor outlets and wash-up bay is provided near the covered pit areas.

A communication/press office is available with internet facilities including on-line banking facilities.

Adequate toilet/restroom facilities are available on the premises.



Maps



Event Schedule

No practise on the event track will be allowed during two (2) weeks prior to the controlled practice (IFMAR rule 2.2)

Therefore the track will be closed from 21 September up to and including 3 October 2009

The schedule shall follow the prescribed racing format as per IFMAR Electric Off Road Racing and technical Rules paragraph 2.5.1 with day 1 being the 4th October. Till the 11th October.

Race Management Team

Race Director:	Rodney Michael
Assistant Race Director:	Adriaan Schutte
IFMAR Referee:	Dallas Mathiesen
FAMAR Referee:	Steve Munslow
Country Referee:	Johan van der Merwe
Chief Technical Inspector:	Louis Trichardt
Official Timekeeper:	Henk Lamberts/Altus Swanepoel
Official Starter:	Lieb Liebenberg
Event Co-ordinator:	Kobus Swanepoel

Competitor Accreditation

You will be issued with a race badge specifying your details and your level of clearance to access certain areas of the race complex. It must be worn at all times when in attendance to any official event or when in the race complex.

Drivers, Team Managers, Mechanics and Officials will not be permitted in the secured areas without the appropriate identification.

Each driver, team manager, mechanic and official will have their photograph taken at registration for attachment to identity badges.

Lap Scoring and Timing

Lap scoring and timing will be done with BBK utilizing the AMBrc system.

All of this will be run on state of the art computer systems providing instant results to the pit area monitors. As well this information will be available via wireless network around the facility allowing competitors to view results on their personal laptops.

Practice Facility

Unsupervised practice will be available at the venue in the months leading up to the Championship. Please contact the event organiser for more information.

No practice on the event track will be allowed during the two (2) weeks preceding the start of frequency controlled practice as per IFMAR rule 2.2 of the 1/5th I.C. Track Racing and Technical Rules.






Official Frequencies







This is a list of approved frequencies for South Africa. Your designated frequency must be from the list shown below.





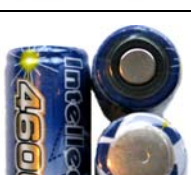
No other frequencies will be acceptable for this event






For frequencies **26.995**, **27.225** and **40.665** your transmitter must comply with a 10kHz bandwidth

27MHz	26.995	27.045	27.095	27.145
	27.195	27.225		
40MHz	40.665	40.670	40.675	40.680
	40.685	40.690	40.695	40.700
	40.705	40.710	40.715	40.720
	40.725	40.730	40.735	40.740
	40.745	40.750	40.755	40.760
	40.765	40.770	40.775	40.780
	40.785	40.790	40.795	40.800
	40.805	40.810	40.715	40.820
	40.825	40.830	40.835	40.840
	40.845	40.850	40.855	40.860
	40.865	40.870	40.875	40.880
	40.885	40.890	40.895	40.900
	40.905	40.910	40.915	40.920
	40.925	40.930	40.935	40.940
	40.945	40.950	40.955	40.960
	40.965	40.970	40.975	40.980
	40.985	40.990		
Spectrum	2.4GHz			

Trade Name	Manufacturer or Submitted By	Manufacturer Data ¹								² 6-cell Pack Weight (grams) (min/max)	Cell Description	Approval Year	
		Nominal Ah Rating	Nominal Volts	Nominal Diameter (mm)	Tolerance	Nominal Length (mm)	Tolerance	Cell Weight (grams)					
								Min	Max				
GP430SCHR	GP Batteries	4.3	1.2	23.0	+0 / -1.0	43.0	+1.0 / -1.0	66	70	408 / 432		Green, pink, and orange shrink wrap with "4300" in green, yellow and white. Cell lettering primarily in black. Yellow label added to shrink wrap surface noting "H-MPV" in black lettering. Cell with black insulator (+) and smooth cell bottom (-)	2007
GP460SCHR	GP Batteries	4.6	1.2	23.0	+0 / -1.0	43.0	+1.0 / -1.0	68	72	420 / 444		Green, pink, and orange shrink wrap with "4600" in green, yellow and white. Cell lettering primarily in black. Cell with black insulator (+) and smooth cell bottom (-)	2007
SC-4200 (Trinity IB Power 4200, EP4200IB)	Intellect Battery Co.	4.2	1.2	23.0	+0 / -0.5	43.0	+0 / -0.5	67	73	414 / 450		<u>Trinity Cells</u> Predominant white shrink wrap with red and black ends. "IB" lettered in bold black letters with "POWER" subset. "4200" in blue lettering with accent lightning bolts. Cell with black insulator (+) and small circle impression on cell bottom (-).	2007
SC-4200 (Team Checkpoint Signature)	Intellect Battery Co.	4.2	1.2	23.0	+0 / -0.5	43.0	+0 / -0.5	67	73	414 / 450		<u>Team Checkpoint</u> Red and black shrink wrap with a red checker pattern on black portion of wrap. "Team Checkpoint" in red and black lettering with "Signature" in yellow. "4200" in silver, red, and white. Remainder lettering in white and silver. Cell with black insulator (+) and small circle impression on cell bottom (-).	2007
SC-4200 Yokomo X4200IB	Intellect Battery Co.	4.2	1.2	23.0	+0 / -0.5	43.0	+0 / -0.5	67	73	414 / 450		<u>Yokomo Cells</u> Light teal shrink wrap with yellow symbol under cell name. "Yokomo" and "ZAP-2" in white/black lettering with "4200" in red and white. Remaining lettering in black. Cell with black insulator (+) and small circle impression on cell bottom (-).	2007

Trade Name	Manufacturer or Submitted By	Manufacturer Data ¹								² 6-cell Pack Weight (grams) (min/max)	Cell Description	Approval Year	
		Nominal Ah Rating	Nominal Volts	Nominal Diameter (mm)	Tolerance	Nominal Length (mm)	Tolerance	Cell Weight (grams)					
								Min	Max				
VTEC SC4200UP	LRP electronic GmbH	4.2	1.2	23.0	+0 / -1.0	43.0	+0 / -1.0	67	73	414 / 450		White, silver, blue and shrink wrap. Lettering black, red, silver, and white. Cell with black insulator (+) and small circle impression on cell bottom (-).	2007
Eastpower 4200UV	Shenzhen Vigor Power Battery Co.	4.2	1.2	23.0	+0 / -0.2	43.0	+0 / -0.2	NS ₃	71	--- / 438		Red/black shrink wrap with "EP" lettering in black and gray. Cell lettering in silver. Cell with black insulator (+) and smooth cell bottom (-).	2007
SC-4200 (Intellect Cells)	Intellect Battery Co.	4.2	1.2	23.0	+0 / -0.5	43.0	+0 / -0.5	67	73	414 / 450		<u>Intellect Cells</u> Blue and light blue shrink wrap with a yellow sburst next to "4200" lettering. Cell lettering in black, white, silver, gold, and blue. Cell with black insulator (+) and small circle impression on cell bottom (-).	2007
SC-4600SHV OEM1234E (Intellect Cells)	Trinity.	4.6	1.2	22.96	+0 / -0.5	42.93	+0 / -0.5	67	73	414 / 450		<u>Intellect Cells</u> Blue and light blue shrink wrap with a gold SHV above "4600" lettering. Cell lettering in black, white, silver, gold, and blue. Cell with black insulator (+) and small circle impression on cell bottom (-).	2008
SC-4600 Enrichpower (EP)	Trinity	4.6	1.2	22.93	+0 / -0.5	42.94	+0 / -0.5	67	73	414 / 450		Red/black shrink wrap with "EP" lettering in black and gray. Cell lettering in silver. Cell with black insulator (+) and smooth cell bottom (-).	2008
SC-4600UP (VTEC Big Mama)	Aleese	4.6	1.2	22.89	+0 / -0.5	42.78	+0 / -0.5					White, silver, & blue shrink wrap. Lettering black, red, silver, and white. Cell with black insulator (+) and small circle impression on cell bottom (-).	2008

Trade Name	Manufacturer or Submitted By	Manufacturer Data ¹							2 6-cell Pack Weight (grams) (min/max)	Cell Description	Approval Year	
		Nominal Ah Rating	Nominal Volts	Nominal Diameter (mm)	Tolerance	Nominal Length (mm)	Tolerance	Cell Weight (grams) Min				Cell Weight (grams) Max
SC-4600UP (VTEC Fat Cobra)	Aleese	4.6	1.2	22.95	+0 / -0.5	42.95	+0 / -0.5				White, gray, & blue shrink-wrap. Lettering black, red, gray, and white. Cell with black insulator (+) and smooth cell bottom (-).	2008
4200SHO	Orion	4.2	1.2	22.95	+0 / -0.5	42.57	+0 / -0.5				Blue, white & black shrink-wrap. Silver trim. Lettering Black, blue and white. Cell with black insulator (+) and smooth cell bottom (-).	2008
4555 (Force Max)	Force	4.2	1.2	22.86	+0 / -0.5	42.96	+0 / -0.5				Black & gray carbon look shrink-wrap. Lettering silver. Cell with black insulator (+) and smooth cell bottom (-).	2008
E-power 4500	E-Tang Electronics	4.2	1.2	22.80	+0 / -0.5	43.00	+0 / -0.5	69	71		Light blue shrink-wrap. Lettering black trim/yellow. Cell with black insulator (+) and smooth cell bottom (-).	2009
SC-4600SHV OEM1234H (Intellect Cells)	Intellect	4.6	1.2	23.00	+0 / -0.5	43.00	+0 / -0.5	68	72		Blue and light blue shrink-wrap with a gold SHV above "4600" lettering. Cell lettering in black, white, silver, gold, and blue. Cell with black insulator (+) and small circle impression on cell bottom (-).	2009

Trade Name	Manufacturer or Submitted By	Manufacturer Data ¹								² 6-cell Pack Weight (grams) (min/max)	Cell Description	Approval Year
		Nominal Ah Rating	Nominal Volts	Nominal Diameter (mm)	Tolerance	Nominal Length (mm)	Tolerance	Cell Weight (grams)				
								Min	Max			
Vtec 4000 Longlife	LRP	4.0	1.2	23	+0 / -0.5	43;00	+0 / -0.5	62	67		Blue/white shrink -wrap with VTEC™ lettering in white. Cell lettering in silver/blue/black. Cell with black insulator (+) and smooth cell bottom	2009
SC-4600 Enrichpower (EP)	Trinity	4.6	1.2	22.80	+0 / -0.5	42.75	+0 / -0.5	69	71		Red/black shrink-wrap with "EP" lettering in black and gray. Cell lettering in silver. Cell with black insulator (+) and smooth cell bottom (-).	2009
4600SHO	Orion	4.6	1.2	22.8	+0 / -0.5	43	+0 / -0.5	67	72		Light blue & black shrink-wrap. Silver trim. Lettering black, blue and white. Cell with black insulator (+) and smooth cell bottom (-).	2009
4200SHO	Orion	4.2	1.2	22.8	+0 / -0.5	43	+0 / -0.5	65	70		Light blue & black shrink-wrap. Silver trim. Lettering blue and white. Cell with black insulator (+) and smooth cell bottom (-).	2009
Yokomo EU '4600 ZAP 2 EX	Intellect	4.6	1.2	23.00	+0 / -0.5	43.00	+0 / -0.5	68	72		Red/Orange/Yellow shrink-wrap with a gold EU next to Yokomo lettering. Cell lettering in black, white, yellow. Cell with black insulator (+) and small circle impression on cell bottom (-).	2009

Notes:

Effective Date: April 2009



2009 IFMAR Approved Products List: Batteries



1. Batteries verified based upon current 2009 IFMAR battery dimensions of maximum 23 mm for diameter and 43 mm for length (at all times). Dimensions include shrink-wrap. Battery weight verified per cell to be within manufacturer supplied weights.
2. Assembled pack weights based upon manufacturer supplied cell weights (min and max) and includes 12 grams for battery bars/solder.
3. NS = Not supplied by manufacturer.

IFMAR Electric Chairman Frank Mostrey

INTERNATIONAL FEDERATION OF MODEL AUTO RACING




























INTERNATIONAL FEDERATION OF MODEL AUTO RACING

2009 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued Nov. 04, 2008

New motors for 2009 issued at the end of this list

Motors shown on this list are additional to those detailed on the previous list dated 12th. July 2007.

APO Team Powers				
ORION Vortex 2008 Race				
LRP Vector X12				
GM RACING (Graupner) Brushless PRO				
TEAM CHECK-POINT				
TRINITY				Also with Black finish.
KING GOLDEN Speed Passion Competition 2.0				
KING GOLDEN Speed Passion Competition 2.0				

BRUSHLESS MOTORS: Issued June 09, 2009

<p>ORION Vortex 2008 Race</p>				
<p>Novak Ballistic Brushless</p>				

P. Worsley. 09.06.09. (for IFMAR)



Transportation

Grp	Vehicle Type	SIPP Codes	1Day 200 Free Km's	2-6 Days 200 Free Km's	7+Days 200 Free Km's	Week- end 200 Free Km's	Rate / Km
P	Corsa/similar	EDMN	386	324	314	235	1.66
A	WV Chico/similar	CDMN	386	324	314	235	1.66
B	WV Polo Hatch/similar	CDMR	501	436	408	303	1.82
C	Toyota Corolla/similar	ICMR	670	564	547	369	3.23
D	WV Polo Classic Auto/similar	IDAR	677	569	551	392	3.62
E	Honda Accord Auto/similar	SDAR	949	797	773	490	4.14
K	Hyundai Tucson/similar	SWMR	1146	975	917	-	4.14
F	BMW 3 Series/similar	FCAR	1087	913	886	-	4.79
G	Mercedes C class/similar	PDAR	1121	941	913	-	4.94
J	Mercedes E class/similar	LCAR	1677	1407	1366	-	5.67
O	Toyota Verso/similar	IWMR	817	686	663	-	3.28
N	VW T5 Caravelle/similar	LVMR	1380	1155	1108	-	5.30

INCLUDED IN THE RATES	EXCLUDED IN THE RATES
<ul style="list-style-type: none"> - Super Limited (Collision Damage Waiver . and Theft Liability Waiver) - Location Surcharge - Public Liability Insurance - Third Party Contingent Liability Insurance - Tourism Levy - Value Added Tax @ 14% (VAT) - 100 Voyager Miles 	<ul style="list-style-type: none"> - Super Limited (Collision Damage Waiver . and Theft Liability Waiver) - Location Surcharge - Public Liability Insurance - Third Party Contingent Liability Insurance - Tourism Levy - Value Added Tax @ 14% (VAT) - 100 Voyager Miles

These rates are quoted in South African Rands & are non-discountable.

Group P to be discontinued during 2009.

RATES ARE SUBJECT TO CHANGE WITHOUT NOTICE & ARE ONLY GUARANTEED AT TIME OF RESERVATION

Accommodation Information

The organising Committee has appointed TRAVEL COUNCELLORS, Nadia Briddon as the preferred Travel Consultant.

For any information or advice regarding your accommodation please contact her at:
nadia.bridдон@travelcounsellors.co.za

Guest Houses

These accommodation types offer a personal touch with a homely atmosphere. Many are located near the track and their prices range from US\$50 – US\$60 per person per night sharing.

Hotels

Hotels in Pretoria provide a more formal setting with the main ones being The Holiday Inn, The Town Lodge and the Protea Hotel group.

Rates per person charging per night – Economy Class – US\$60 – US\$70
Luxury Class – US\$85 – US\$100

Self-Catering

This is a cheaper type of accommodation and is a good option for families. Rates per person sharing per night – US\$45 – US\$60

Transportation

Getting around Pretoria is an easy task with the fares being relatively low. Car rental from Avis or Budget can be organised. A mini bus shuttle service will be arranged for racing participants.

Currency and Foreign Exchange

The currency is Rand and Cents. One Rand (R) is equal to 100 cents (c). Foreign currency may be exchanged at any commercial bank, American Express, Thomas Cook, Rennies Foreign Exchange or Diners Club International Office.

Credit Cards / Travellers Cheques

Most International Credit Cards are accepted, as are traveller's cheques.

Banking Hours

Most banks are open between 09h00 and 16h00 daily, and Saturdays between 08h30 and 11h00 within close proximity to TRAP. ATM's are also available.

Medical Services

Visitors are advised to obtain medical insurance prior to leaving their country of origin. Hospitalization is generally arranged through medical practitioners, although visitors may go directly to a hospital casualty section, in the case of an emergency.

Standard Time

Throughout the year, 2 hours in advance of GMT.

VAT (Value Added Tax)

Currently at 14% it is included in the price of nearly all goods and services, meals, accommodation, etc.

Food and Beverage

For the World Championship food and beverages will be available throughout the day from a trackside restaurant.

First Aid Facilities

First aid will be available throughout the event in a specified location within the race complex. Referrals to near by medical centers will be provided if deemed necessary. Qualified paramedic personnel will provide this service.

Insurance

The club and the event are covered by a public liability policy. Liability coverage as outlined by the police is limited to R3 000 000, (Three Million Rand). This policy does not cover the loss of equipment or goods through damage or any other such incident. In saying this, a manned security service will be provided at the race complex during “after hours” time periods. It will be at the discretion of each individual or company to ensure all goods and equipment are adequately secured.

Car & Transmitter Numbering

During registration, every driver will be given an envelope, which includes

- 3 sets of numbers for the car,
- 3 sets of numbers for the wing,
- 1 number for the transmitter,
- 1 badge for the driver,
- 1 badge for the mechanic and
- 1 badge for the country’s Team Manager.

Also included in the package there will be a picture showing the correct positioning of the numbers on the body shell & transmitter. You must place your numbers exactly as shown or your car will not pass the technical inspection.

Power Supply

In the covered “Paddock” area there is 220-240V / 50Hz power available. A 3 pin grounded plug is used throughout. Adaptors for the 2 pin European socket is available at the event. Ensure that your equipment is able to handle the supply voltage.



Website

Comprehensive information covering all aspects of the event and last minute information is available on the website at www.TRAP.co.za.