

2011 IFMAR World  
Championships Electric Buggy  
Vaasa, Finland

Stage 0 Report



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## 1 FOREWORD

Dear Friends,

It is a great pleasure for us to welcome all off road drivers around the World to visit Finland and Vaasa. We are very honored that we are the organizer of 2011 Worlds for electric buggies. Electric offroad is getting more popular every day and our goal is to provide best possible environment for the world's best drivers to fight for the championship.

We are putting a lot of effort on attracting new spectators and on gaining more publicity for the sport. By creating an arena with easy access and a number of facilities the drivers will be able to show their skills to a wider audience. We developed the venue to a new level for the 2007 European Championship race. This time we will concentrate on creating the greatest RC car race of all time! That's right, greatest RC car race of all time. We are very aware that this is something very challenging to achieve but we are confident that we can do it. In July you will see how we managed with our goal.

This report has been produced for teams, drivers and media, and contains information necessary for the preparations before the event. Of course our friendly staff will help you if you have any questions. Welcome to Vaasa! I hope you will enjoy your stay in Finland.

On behalf of the organizing committee,

Jussi Luopajarvi

Chairman of the Organizing committee

## 2 BASIC INFORMATION

### 2.1 GENERAL FACTS OF THE EVENT

- Name: IFMAR World Championships Electric Buggy
- Event level: IFMAR World Championship
- Date: 17.-24.7.2010
- Host Club: Motorsport club of Vaasa
- Venue: Pitkämäki motorsport centre
- Website: [www.ifmar2011.com](http://www.ifmar2011.com)

### 2.2 HOST CLUB

- Name: Motorsport Club of Vaasa
- Founded: 1963
- Members: around 180
- Club website: [www.vaasanua.net](http://www.vaasanua.net) (only in Finnish)

## Stage Zero Report



- Long history of organizing races on different level in different motor sport classes
- The most active motor sport genres at the moment are karting and model car racing
- Hosted model car races:
  - Rally Finland Nitrocross Championship in 2010
  - Nordic Championship race for Electric Offroad classes in 2008
  - European Championship race for Electric Offroad classes in 2007
  - EFRA Grand Prix race for Electric Offroad classes in 2006
  - Nordic Championship race for Electric Offroad classes in 2004
  - Nordic Championship race for Electric Saloon cars in 2003
  - Numerous Finnish Championship and national races since 1997

### 2.3 ADDRESS & TELEPHONE

Postal address: Vaasan Urheiluautoilijat ry  
P.O. Box 16  
FI-65101 Vaasa, Finland

Visiting address: Pitkämäki motorsport centre  
Rantamaantie Vaasa, Finland

Telephone: +358 50 3342625

E-mail: [info@ifmar2011.com](mailto:info@ifmar2011.com) (Opens in December 2011)

Internet: [www.ifmar2011.com](http://www.ifmar2011.com) (Opens in December 2011)

### 2.4 ORGANIZING COMMITTEE

Name	Responsibility	Email	Phone
Jussi Luopajarvi	Project manager, sponsors, race	<a href="mailto:jussi.luopajarvi@vaasanua.net">jussi.luopajarvi@vaasanua.net</a>	+358 50 3342625
Aimo Latvala	Security	<a href="mailto:aimo.latvala@vaasanua.net">aimo.latvala@vaasanua.net</a>	+358 50 3343288
Niina Lappalainen	Marketing, side events	<a href="mailto:niina.lappalainen@vaasanua.net">niina.lappalainen@vaasanua.net</a>	+358 50 3757600
Heidi Hautala	Media	<a href="mailto:heidi.hautala@vaasanua.net">heidi.hautala@vaasanua.net</a>	+358 400 680067
Timo Rantala	Building	<a href="mailto:timo.rantala@vaasanua.net">timo.rantala@vaasanua.net</a>	+358 40 5584128
Mika Sorri	Logistics	<a href="mailto:mika.sorri@vaasanua.net">mika.sorri@vaasanua.net</a>	+358 40 1862115
Joonas Lyyski	Volunteers	<a href="mailto:joonas.lyyski@vaasanua.net">joonas.lyyski@vaasanua.net</a>	+358 50 5415732
Atte Hietalahti	Finance	<a href="mailto:atte.hietalahti@vaasanua.net">atte.hietalahti@vaasanua.net</a>	+358 50 3556705

### 2.5 RACE ORGANIZATION

Name	Task
?	IFMAR referee
?	EFRA referee
Tony Raikas	Race director
Atte Hietalahti	Assistant race director
Anders Hendricksson	Chief technical inspector



Name	Task
Matti Korvenmaa	Chief time keeper
Niina Lappalainen	Marketing, side events
Heidi Hautala	Media
Timo Rantala	Track

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### 3 RULES

Race will follow 2011 IFMAR rules.

#### 3.1 CONTROLLED TIRES

Proposed controlled tires for the event are following:

- 2WD Front: Free
- 2WD Rear: JConcepts Double Dee's - Green compound (3002-02)
- 4WD Front: JConcepts Flipouts - Green compound (3039-02)
- 4WD Rear: JConcepts Flipouts - Green compound (3038)
- Controlled foam for both classes: JConcepts 1/10th buggy tire insert - Firm

Controlled tires will be confirmed during 2010 EFRA AGM. Tire prices and ordering instructions will be announced in Stage One Report.

#### 3.2 APPROVED FREQUENCIES

- 27 MHz band: 26.825 / 26.845 / 26.865 / 26.885 / 26.905 / 26.925 / 26.935 / 26.945 / 26.995 / 27.045 / 27.095 / 27.145 / 27.195 / 27.255 MHz
- 40 MHz band: 40.610 MHz - 41.200 MHz
- 2.4 GHz band 2.4000 – 2.4835 GHz

All radios will be checked by Finnish Communications Regulatory Authority during the event.

#### 3.3 TIMING

Time keeping will be done with two separated AMBrc systems. Mylaps Sparc 2 will be used as a time keeping software. Additionally we are using 3<sup>rd</sup> party plugins for the software to enhance the timing services for racers and spectators.



## 4 PRELIMINARY SCHEDULE

This schedule will present some dates, which are already fixed. Below you can also find the schedule for race week. This also presented in the IFMAR rulebook.

- 2.1.2011 Release of Stage One Report
- 8.-9.1.2011 Publishing the event at VM Motorsportshow
- 30.4.2011 Release of Stage Two Report
- 30.4.2011 Track opens for practise (Weather reservation)
- 21.-22.5.2011 Warmup race
- 13.6.-16.7.2011 Track closed
- 17.-20.7.2011 World Championship race for 2WD
- 21.-24.7.2011 World Championship race for 4WD

### 4.1 RACE SCHEDULE

The race is scheduled to be run from 17th of July until 24th of July. 2WD class will be driven first and 4WD as a second class.

#### 4.1.1 DAY 1 - 2WD

- 10.00 to 16.00 Class Registration
- 14.00 Opening Ceremony

#### 4.1.2 DAY 2 - 2WD

- 07.00 Doors open
- 08.00 to 18.00 Practice – a maximum of ten (10) rounds of ten (10) pre-arranged practice heats of fifteen (15) cars each

#### 4.1.3 DAY 3 - 2WD

- 07.00 Doors open
- 08.00 One round of controlled practice by qualifying heats
- 10.00 Four (4) rounds of qualifying

#### 4.1.4 DAY 4 - 2WD

- 07.00 Doors open
- 08.00 One (1) hour of unofficial practice in heat order. (4 min turn-round per. Heat)
- 09.30 One (1) round of qualifying
- 11.30 Break
- 12.30 "A" Mains practice
- 13.30 Mains Finals
- 16.30 Rostrum Presentation of top three (3) trophies

#### 4.1.5 DAY 5 - 4WD

- 10.00 to 16.00 Class Registration

#### 4.1.6 DAY 6 - 4WD

## Stage Zero Report

- 07.00 Doors open
- 08.00 to 18.00 Practice – a maximum of ten (10) rounds of ten (10) pre-arranged practice heats of fifteen (15) cars each

### 4.1.7 DAY 7 - 4WD

- 07.00 Doors open
- 08.00 One (1) round of controlled practice by qualifying heats
- 10.00 Four (4) rounds of qualifying

### 4.1.8 DAY 8 - 4WD

- 07.00 Doors open
- 08.00 One (1) hour of unofficial practice in heat order. (4 min turn-round per. Heat)
- 09.30 One (1) round of qualifying
- 11.30 Break
- 12.30 "A" Mains practice
- 13.30 Mains Finals
- 16.30 Rostrum Presentation of top three (3) trophies
- Evening Banquet Awards of all trophies.

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## 5 WARMUP EVENT

Warmup event will be organized in the end of May. Proposed date is 21-22.5.2011. Final date will be decided during 2010 EFRA AGM. More information will be published during December 2010.



## 6 VENUE

Venue is located in Vaasa, Finland. More accurate address is Rantamaantie. See maps for more details



Figure 1 Location of Vaasa



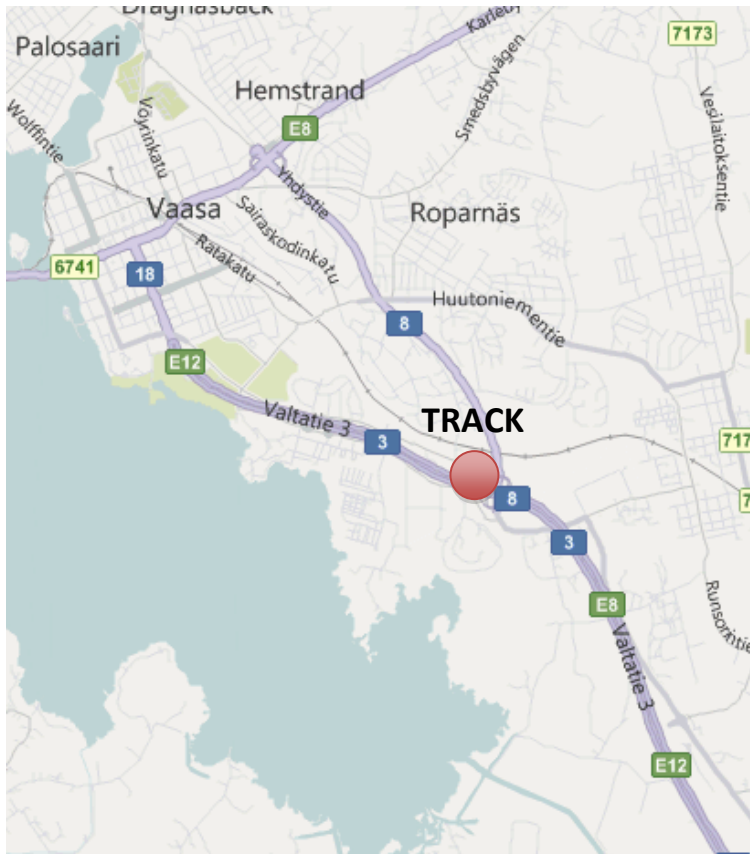


Figure 2 Map of track location

## 6.1 TRACK

Track facts:

- Length 202 meters
- Width at least 3 meters
- Surface hard packed clay
- Track opens for practise 30th April. (Weather reservation)
- Track will be closed after Sunday 12th of June 2011.
- Track will be equipped with rain covers.

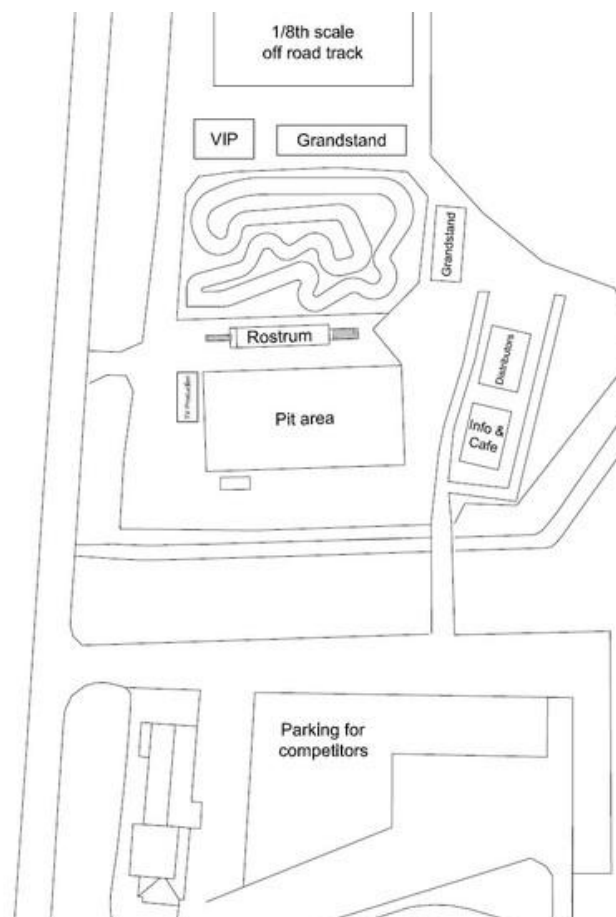


Figure 3 Current Track layout

## 6.2 OTHER AREAS

Venue has full range of services for drivers, teams and spectators.

- Area has good parking places just beside the track.
- Toilets are located in several places around the venue.
- Restaurant and cafes serves refreshments and lunch everyday.



**Figure 4 Map of venue.**

### 6.2.1 ROSTRUM

The race control is located in the rostrum building. Room for 15 drivers with 80 cm of space for each driver will be found upstairs. Beside for the drivers, there is space for two referees and on the other side of the tower for one additional referee. The tower itself is designed for timekeeping and race control.

Downstairs there is a tech control room with enough space for a larger tech crew. Further, it holds a media center. There are also toilets in the other end of the building.

### 6.2.2 PIT AREA

- Temporary tent on asphalt surface
- Covered pit area approximately 700 m<sup>2</sup>
- Wireless Internet access (free of charge)

- One square meter of table space for every driver

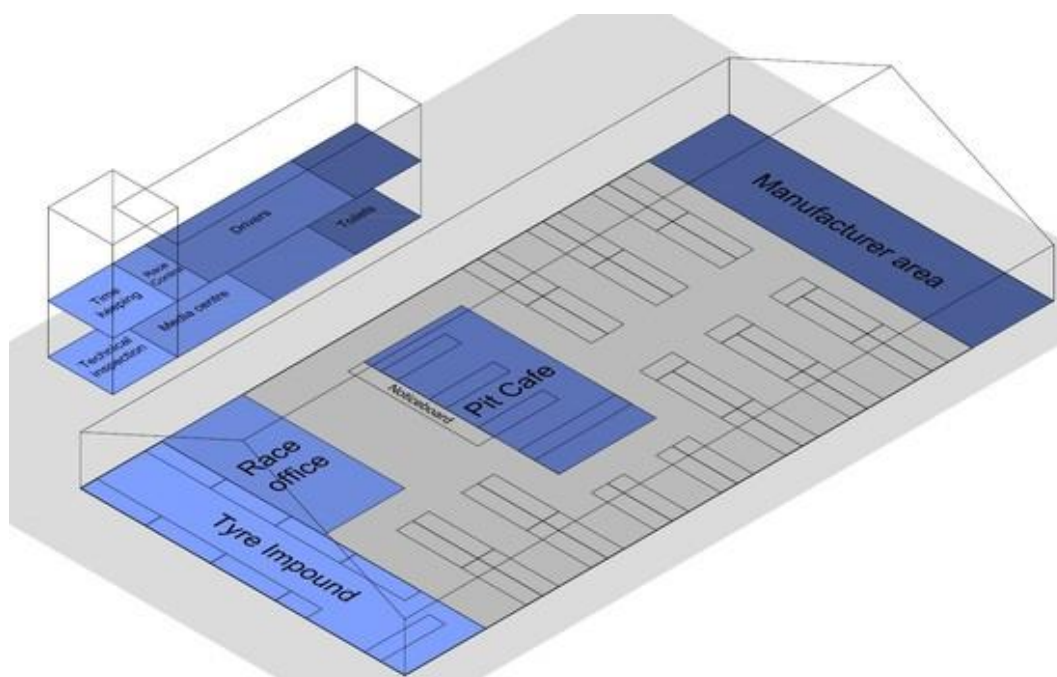


Figure 5 Map of pit area

## 7 ACCOMMODATION

- Number of rooms available: 800
- Number of beds available: 2200
- All hotels are within less than 10 minutes drive from the venue.
- Hotel ratings vary from basic level to high class business hotels.
- A public camping area is located just by the sea and it's only a 10 minutes drive from the venue.

### 7.1 OFFICIAL RACE HOTEL

Official race hotel and prices will be announce during Decemeber 2010.

### 7.2 CAMPING

It is possible to camp in the venue. Price is 5 euros per night and it includes electricity, showers and sauna.



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## 8 MANUFACTURERS

### 8.1 PIT AREA

Manufacturers are entitled to reserve space from the pit area for own purposes. The price is 250 euros for 12 square meters. Price includes 4 squaremeters of table space. Manufacturer area is located inside the pitting tent. Please contact Jussi Luopajarvi for more information.

### 8.2 LIVE FEED

We are providing full scale livefeed from the worlds and we are also selling commercial time for the feed. Please contact Niina Lappalainen for pricing options. We have various pricing options for different needs.

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## 9 MEDIA

We are providing full range of services for media representatives during 2011 Worlds. We are having a separate media center with internet connection, results, video feed and refreshments.

As we have sponsors who are interested to follow the publicity of the 2011 Worlds. Therefore we are accrediting all media including all RC related media and websites. We are also providing free shuttle service for all media representatives. All information concerning the accreditation will be published on Stage One Report in January 2011.

In all questions concerning media of 2011 Worlds, please do not hesitate to contact our Press Officer Heidi Hautala.

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## 10 TRANSPORTATION

### 10.1 AIRPORTS

Vaasa Airport (VAA) is located 6 km south of the venue. Everyday you will have several flights from larger hubs like Helsinki and Stocholm. Other options for travellers coming to Vaasa via international airports is Helsinki-Vantaa(280 km). Most cost-effective option for air travelling is flying to Helsinki-Vantaa airport and renting a car from there.

- <http://www.helsinki-vantaa.fi/home>
- [http://www.finavia.fi/airports/airport\\_vaasa](http://www.finavia.fi/airports/airport_vaasa)



## 10.2 RENTAL CARS

More information will follow.

## 10.3 SHUTTLE SERVICE

It is possible to use shuttle service during the event. Shuttle service operates between airports (by request), track and hotels. Please contact Mika Sorri for more details.

## 10.4 TRAIN

One option to travel from Helsinki airport to Vaasa is by train. Train station is around 5 kilometers from the track. See <http://www.vr.fi/eng/> for more information.

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# 11 RECREATION

## 11.1 AMUSEMENT

Amusement park Wasalandia (7km) Wasalandia is the ultimate place for fun for kids and the whole family. [www.wasalandia.fi](http://www.wasalandia.fi)

Tropical spa Tropiclandia (7km) Wild water slides indoors and outdoors, water falls, bubble baths, exotic saunas and what's best, the temperature there is always +32 °C! [www.wasalandia.fi](http://www.wasalandia.fi)

Amusement park Powerpark (80km) Magic place with the most spectacular karting track in the world, high class hotel and amusement park. [www.powerparkkart.com](http://www.powerparkkart.com)

## 11.2 CULTURE

Vaasa has a lot of museums and galleries. In the Ostrobothnian Museum history, art and nature are brought together. The objects describing people's life and nature originate from the Ostrobothnian region, the special collections contain art and items both from Finland and abroad. Besides the Ostrobothnian Museum the art museums are represented by the Tikanoja Art Museum, the collection of which is especially famous for its international section containing works e.g. by Edgar Degas, Paul Gauguin, Henri Matisse and Pablo Picasso. The collection also includes Finnish art from the 19th and 20th centuries. Traditional masters, such as Albert Edelfelt, Axel Gallen-Kallela, Maria Wiik and Tyko Sallinen are included in the collection as well as younger artists.

If you are interested in visiting several Museums please ask for the Art City Passport at the Tourist Office or in any Museum.



### 11.3 SHOPPING

Our busy shopping centres, specialist shops, stores, the market square and the in-door market are well known shopping places. Here's a list of some of the shops and markets worth a visit.

- GW-Galleria (Kivihaantie 14)
- Galleria Wasa (Vaasanpuistikko 17)
- HS Center (Hovioikeudenpuistikko 16)
- Rewell Center (Ylätori)
- Vaasa Markethall (Vaasanpuistikko 18)

### 11.4 ARCHIPELAGO

The Kvarken Archipelago (added in 2006 as an extension to the UNESCO World Heritage site of the High Coast) numbers 5,600 islands and islets and covers a total of 194,400 ha (15% land and 85% sea). It features unusual ridged washboard moraines, "De Greer moraines", formed by the melting of the continental ice sheet, 10,000 to 24,000 years ago. The Archipelago is continuously rising from the sea in a process of rapid glacio-isostatic uplift, whereby the land, previously weighed down under the weight of a glacier, lifts at rates that are among the highest in the world. Besides a unique flora, there is also enough to admire in the fauna every month of the year. There is a strong community of grey seals in the Kvarken waters, and of all the 431 bird species observed in Finland, more than 300 have been seen in this region.

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## 12 USEFUL INFORMATION

### 12.1 GENERAL FACTS ABOUT FINLAND

#### 12.1.1 POPULATION

5.2 million, giving an average density of only 17.1 per sq. kilometre; annual growth rate 0.18%. Life expectancy 78.2 years. The demographic pyramid resembles that of most other industrial countries, with the middle-aged groups predominating. Average household sizes 2.1 persons. 54% of the population live in single-family houses, 46% in apartment blocks; room area per person 36 sq. metres. 74% are urban-dwellers, with 0.97 million in Helsinki and the adjacent cities of Espoo and Vantaa. Other major cities include Tampere, Turku, Oulu and Lahti.

#### 12.1.2 AREA

338,145 sq. kilometres, of which 10% is water. There are more than 60,000 lakes in Finland. 7% of the land is under cultivation, barley and oats being the main crops. Forests (mainly pine and spruce) cover 76% of the country.



### 12.1.3 CLIMATE

The Finnish climate is considerably milder than one might expect from the country's northerly location. There are major variations in the seasons. During the race, it is late summer and the average weather is predominantly warm. It can be sunny and warm, over 25 degrees Celsius or it can rain and be only about 15 degrees Celsius.

### 12.1.4 TIME ZONE

The Finnish local time is two hours ahead of Greenwich Mean Time (GMT +2 hours). Daylight saving time is used from the last Sunday of April to the last Sunday of October.

### 12.1.5 LANGUAGE

- Finnish 93.7% of the population
- Swedish 5.7% of the population
- English is spoken by almost everybody, German and French by some.

### 12.1.6 FINNISH SAUNA

In Finland, there are 5.2 million inhabitants and 2 million saunas. Finnish people take to sauna the way a fish takes to water! Sauna is a place for relaxing with friends and family, a place for physical and spiritual refuelling of one's body and mind. You have to experience it to truly savour a superb Finnish tradition. An old Finnish proverb states to the effect that "if sauna, liquor or tar don't help...the disease must be fatal".

## 12.2 CITY OF VAASA

- Founded 1606
- Population 59.000
- Website: [www.vaasa.fi](http://www.vaasa.fi)
- Active student and technology city right by the sea!

Vaasa today represents the educational, cultural and tourist centre of Western Finland. Vaasa is also a versatile industrial city offering good possibilities of development especially for the international energy industry. Cosmopolitanism is part of Vaasa's everyday life. The inhabitants of the city have had many years of experience in internationalisation through e.g. the businesses in the city.

## 12.3 CURRENCY AND BANKING

- The Finnish currency unit is euro (€ or EUR), divided into 100 cents. The denominations in circulation are:
- Notes - 500, 200, 100, 50, 20, 10 and 5 euros • Coins - 2 and 1 euros; 50, 20, 10 and 5 cents (2 and 1 cent coins not in active use in Finland).
- Foreign currency may be exchanged in banks Monday to Friday at 9.30-16.30.

Most banks display exchange rates on their windows. Current rates on 29th of October 2010

- 1 € = 1,3895 USD
- 1 € = 0,8697 GBP



## 12.3.1 BANKS IN VAASA

All these banks have several cash dispensers all over the city. They usually operate on Visa/Eurocard. From the ATMs you can withdraw notes in denominations of 20 and 50 €. The closest cash dispenser to the race venue is in the ABC petrol station (between the airport and the motorway). You can recognise the ATMs by an orange sign "OTTO".

## 12.3.2 CREDIT CARDS

All major credit cards are widely accepted in hotels, car rental offices, department stores, restaurants, shops and most taxis. Foreign credit cards can be used to withdraw cash from almost all ATMs.

Credit cards are also accepted in race office and pit cafe.

## 12.4 MEDICAL SERVICES

Medicines are sold at pharmacies (APTEEKKI). Usually pharmacies are open until 17.00 or 18.00. All hospitals have doctors on duty around the clock. In emergencies, patients should be directed to a health care centre or hospital emergency unit. Dental care is mainly provided by private practitioners.

### 12.4.1 VACCINATIONS

There are no regulations requiring visitors to Finland to have vaccinations.

## 12.5 WATER

The tap water is safe to drink.

## 12.6 ELECTRICITY

The electric current in Finland is 230 volts and 50 hertz. Plugs and sockets are the same as in the continental countries of the European Union.

