

# APPENDIX 1

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## RECOMMENDED SAFETY PROCEDURES AND GUIDELINES

### SAFETY PROCEDURES

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### RECOMMENDED SAFETY PROCEDURES

Minimum requirements for the realisation of a Class 1 Grand Prix

#### 01. GENERAL REQUIREMENTS

- 01.01. the minimum depth of the water for the race course area is 4 metres;
- 01.02. the logistics point on land where safety boats and ambulances are located must not be further than 2 nautical miles from the furthest point of the race course;
- 01.03. the mooring post for the rescue boats has to allow for a parking area for ambulances;

#### 02. TECHNICAL RECOMMENDATIONS FOR SAFETY BOATS

- 02.01. The rescue boats should be:
  - a minimum of 7.5 metres long with free bow in order to have enough space for stretchers;
  - sides and/or stern can allow an easy boarding of stretchers and/or must have a system for the easy loading of stretchers;
  - cannot transport on board persons who do not belong to the crew or to the rescue group;
- 02.02. Considering that race courses have a maximum lap length of six nautical miles, the safety plan, coordinated by the Local Safety Officer with the assistance of the Local Medical Coordinator, envisages a minimum number of six rescue boats. This plan is created according to the grid method in order to be able to patrol an area of 1 mile for each rescue boat.

Following this method, the rescue boats will be implemented if the race lap is longer than 6 miles.

The Local Safety Officer is responsible for the repositioning of the safety Plan, according to the interventions and in order to cover the whole race course.

The plan is not sufficient if 50% of the available rescue boats are used in one or more interventions at the same time.

In this eventuality, the Local Safety Officer must communicate the fact to the Race Director in order to stop the practice, pole position and/or race.

- 02.03. Each rescue boat is assigned a Tow boat and they form the safety group positioned in the grid plan. The rescue boat is the group leader.

The group has to take its position according to the safety plan and it has to maintain the position by manoeuvring the engine (avoiding the creation of waves), at a minimum distance from the course line of 200 metres and, in any case, in a safe position.

Every group has to be constantly in contact and has to listen to Race Control on the assigned radio channel. The driver's assistant is assigned to carry out this function.

### 03. INTERVENTION PROCEDURE

- 03.01. Every safety group, composed of one rescue boat and one Tow boat, has to be in the assigned position at least 30 minutes before the official start time for practice, pole position & race.
- 03.02. Every group has to check how the practice is going, reporting every anomaly, accident, etc. to Race Control.
- 03.03. It cannot act unless authorised by Race Control.
- 03.04. Once the group has received the authorisation from Race Control, and if towing is not specifically requested - in which case, only the Tow boat would intervene - the group moves towards the point requiring intervention. While the rescue boat approaches the accident location, the Tow boat, with the yellow flag raised, places itself about 100 metres from the intervention point, on the course line, in a safe and visible position, signalling the danger to the other race boats, and protecting the intervention by the rescue boat.

If it is a medical intervention, the operation is controlled by the doctor and/or paramedic on board the Rescue boat, who will take care of rescuing the patient(s) and report to Race Control regarding what further action needs to be taken.

Once the rescue has been completed, the rescue boat will return to the established mooring post following the re-entry procedure, while the Tow boat will control the accident area and clear the water of any floating debris.

At the end of its intervention, with the consequent report having been made to Race Control, the group will take up its original position for normal service.

- 03.05. During the operation, Race Control will reposition the inactive groups in order to cover the whole race course.
- 03.06. If, during an intervention, the operation commander requires the aid of other rescue boats, Race Control will send the appropriate group(s), including the fire service.
- 03.07. If simultaneous interventions require the use of more than 50% of the active groups envisaged in the safety plan, it will be down to the Race Director, via Race Control, to stop the practice, pole position and/or race. In this case, the order will be given to raise the red flag, thus initiating the Race Stopped/Pace Boat procedure.

## SAFETY GUIDELINES

### SAFETY

The Safety and Rescue Plan includes both land and sea services.

All services will be carried out by Local Committee crews together with relevant class and Military crews.

The Safety and Rescue system will be co-ordinated by the Race Control.

### LAND SERVICES

The Land Safety System includes the medical, fire prevention, helicopter and hospitality area services.

The Land area is divided into four separate zones:

- Dry Pit and Wet Pit area;
- Fuelling area;
- Helicopter area;
- Hospitality area

The areas indicated above must be set up and equipped as follows:

### A. DRY PIT AND WET PIT AREAS

#### A.01. Medical Services

The medical services will be carried out under the control of the Head of the Medical Committee, with:

- A.01.01. N.1 Standard Ambulance (“B” type), with doctor and paramedical crew, normal equipment.

This ambulance will be positioned close to Dry Pit, free to move, from 08.00 to 19.00 from arrival to departure of all vehicles.

#### A.02. Fire Prevention Services

- A.02.01. 3 Fire points each containing 3 Extinguishers of 30 KG in separate locations in the pit area.
- A.02.02. N.2 fire extinguisher operators.
- A.02.03. N.2 water pumps, positioned in crane area (one at each crane).

### B. FUELLING AREA

#### B.01. Medical Services

- B.01.01 N.1 Reanimation Ambulance (“A” type), fully equipped and manned by reanimation doctor and reanimation paramedical crew.

This ambulance will be positioned close to Fuelling area, free to move, one hour before and until one hour after the official fuelling times.

- B.01.02 N.1 Fire engine with a minimum of 2m3 extinguishing capacity, fully equipped and manned.
- B.01.03 N.2 fire extinguisher operators.

During fuelling operations, the area will be closed and controlled by the security crews.

### C. HELICOPTER AREA (IF REQUIRED)

#### C.01. Medical Services

According to the local Law.

#### C.02. Fire Prevention Services

According to the local Law

### D. HOSPITALITY AREA

#### D.01. Fire Prevention Services

D.01.01. N.3 fire areas composed by 4 extinguishers of 10 Kg each, with locations clearly indicated.

### ON WATER OFFICIAL TIME LAND SERVICES

N.2 Reanimation Ambulance (“A” type), fully equipped and manned by reanimation doctor and reanimation paramedical crew.

These ambulances will be positioned free to move one hour before and until one hour after the official race, practice and pole position times.

Note: The LOC can also use the fuel ambulance during the official race times.

### SEA SERVICES

Safety and Rescue Services on Racecourse.

### E. RESCUE BOAT

#### (Mandatory for Practice, Pole Position & Race)

E.01. A minimum of n. 6 Rescue Boats min 7 m, sufficient space in order to accommodate stretcher, with crew, n. 1 reanimation doctor or specialist paramedic and n. 2 divers for each boat, fully equipped for reanimation at sea (see following details).

### F. TOW BOAT

#### (Mandatory for Practice, Pole Position & Race)

F.01. N.6 Boats with crew, equipped for towing in order to tow up to 5 tons (see following details).

### G. FIRE BOAT

#### (Recommended for Practice, Pole Position & Race)

G.01. N.2 Boats with crew, equipped with antifire system with foams and water pump.

### H. COURSE PATROL BOATS

#### (Mandatory for Practice, Pole Position & Race)

H.01. N.6 / 7 Military boats for external course patrol.

### I. FINISH BOAT

#### (Mandatory for the Race & Pole Position)

I.01. N. 1 Boat Fly bridge or other suitable craft for finish race procedure/pole position run (minimum 9m), with crew and Jury/Course Officials.

### J. COURSE CONTROL BOAT

#### (Mandatory for the Race & Pole Position)

J.01. N.1 Boat each turn point with crew and n. 2 Course Officials (minimum 7m).

### K. CONTROL BOAT

#### (Mandatory 1 day before the first practice and until the GP day)

K.01. N. 1 Boat for Class 1 controls and checks during whole period, available without driver at disposal of the Class 1 crew (minimum 7m - high speed).

- All boats will be identified by the Class One flag, (colours will be defined).
- The rescue, safety, tow, and course control boats will be inside of the racecourse.
- The course patrol boats will be outside the racecourse.
- All boats and participant services crews must be in radio communication with the Race Control on the nautical assigned channel. The channel will be specified by the LOC, as determined by the Authorities.

## ACCESSORIES AND SPECIAL EQUIPMENT

### • LOC DIVERS' EQUIPMENT

The only special request for the divers is the supply of 5 litre oxygen cylinders.

- **LOC TOW BOAT**

- Class One flag;
- Nautical radio system;
- 1 Yellow flag;
- 5 lengths of rope (15m each);
- 2 Blankets;
- 2 Marker buoys.

- **LOC COURSE CONTROL BOAT**

- Class One flag;
- Nautical radio system;
- 1 Yellow flag;
- 1 Red flags;
- 1 Red flares.

- **LOC FINISH BOAT**

- Class One flag;
- Nautical radio system;
- 1 Yellow flag;
- 1 Red flags;
- 1 Red flares;
- 1 Chequered flag.

- **LOC RESCUE BOAT**

CREW

- Driver;
- Assistant;
- 1 Reanimation Doctor or Specialist Paramedic;
- 2 Paramedic Scuba Divers

LOC RESCUE BOAT EQUIPMENT

- Class One flag;
- Nautical radio system;
- 1 Yellow flag;
- Oxygen
- 2 Collars
- C35
- Several Splints
- Pair of Scissors
- Floating Stretcher
- Thermal Blanket
- Emergency Medical Bag (see following details)

## • BAG'S CONTENTS IN DETAIL

YELLOW BAG 1
Venflon 14 g
Venflon 16 g
Venflon 18 g
Butterfly 19 g
Butterfly 21 g
Arterial compressors with 19g needles
Silk bandage 2.5
Syringes 5 millilitre
Syringes 10 millilitre
Administration set with flow regulator
3-way taps
YELLOW BAG 2
Mini tracheal set
Adult laryngeal tubes
Adult Ambu bag
Adult hematometer
Adult ventilation mask
GREEN BAG 1
Ventolin spray flc
Diprivan 10mg/millilitre bottle
Ipnovel 15mg/3ml
Cortop vials 500mg/5ml vials
Gluc 33%/10ml
Mgso4 vials 1g/10ml vials
Normal saline solution 0.9%/10ml bottle
Calcium chloride fl 1g/10ml
Esmeron vials

GREEN BAG 2
Silk bandage 2.5
Lubricant
Laryngoscope
Blades for laryngoscope Mac 3-4
Magil forceps
Mayo cannulas in several sizes
Intubation stylet
RED BAG 1
Atropine sulphate 0,5mg/1ml vials
Xilocaina 2% 50ml flac
Cordarone 150mg/10ml
Revivan vials 200mg/
Effortil vials 10mg/1ml
Ebrantil vials 50mg/10ml vials
RED BAG 2
Sodium bicarbonate 8.4%/100ml
Emagel 500ml/flac
Sodium chloride 0.9%/500ml
BLUE BAG
Corrugated tube
Endotracheal tube 7.5
Endotracheal tube 7
Endotracheal tube 6.5
Endotracheal tube 6
Endotracheal tube 5.5
INNER POCKET
Disposable gloves, size M
REFRIGERATOR
Adrenaline 1mg/ vials
Midarine (succinylcholine) vials

## SPECIAL INFORMATION TO BE PROVIDED BY THE LOC

- 1) NAME OF PREWARNED HOSPITAL(S) WITH CONTACT NAMES OF DOCTORS AND TELEPHONE NUMBERS;
- 2) NOTIFICATION OF LOCATION OF SPECIALISED UNITS AT HOSPITAL(S) (Emergency surgery; Radiology with TAC; Resuscitation; etc.);
- 3) TIME TO COVER DISTANCES FROM THE PITS TO THE DESIGNATED HOSPITAL(S) VIA ROAD;
- 4) TIME TO COVER DISTANCES FROM THE PITS TO THE DESIGNATED HOSPITAL(S) VIA HELICOPTER;
- 5) FURTHER EMERGENCY BERTHING POINTS (IF ANY);
- 6) POSSIBILITY OF SECURITY PRESENCE AT SUCH BERTHING POINTS;
- 7) POSSIBILITY OF RESUSCITATION AMBULANCE AT SUCH BERTHING POINTS.