



Manfeild Park Circuit

Circuit Operation for Motorcycle Racing (April 2024)

Map References Refer to Job No 19110 (attached)

Point	Flag Location	Personnel	Incident Marshals	Personnel
Start/Finish	(04_01) Starters Box	2		0
Turn One	MP01 (04_03)	2	MP03 (04_05)	2
Turn Two	MP02 (04_06)	2	MP04 (04_07)	2
Turn Three	MP04 (04_07)	2	Outside Gravel Trap, Adjacent to Start/Finish Line (04_09)	2
Turn Four	MP05 (04_09)	2	MP06 (04_11)	2
Turn Five	MP06 (04_11)	2	On top of tyre wall outside circuit (04_11)	2
Turn Six	MP07 (04_16)	2	2 at C05 (04_17) 2 at MP08 (04_19)	4
Turn Seven	MP09 (04_23)	2	2 at C07 (04_24) 2 at MP10 (04_25)	4
Turn Eight (Pit Entry)	MP11 (04_27)	1		0
	TOTAL	17		18

Other Matters

1. **Ambulance and Recovery Vehicle Locations:**

Ambulance - If only one on site, in pit. MV (04_01). If two, one in pit MV (04_01) and one at MV (04_06)

Recovery Vehicle – At MV (04_01), or as directed by the Clerk of Course.

2. **Sound Meter:**

As directed by circuit management.

3. **Airfence** (See satellite image following)

Turn One, See Photos at end of document

Turn Six, See Photos at end of document

Turn Seven Entry, See Photos at end of document

Turn Seven Exit, See Photos at end of document

Turn Eight, MP11 (04_27) See Photos at end of document

4. **Flag & Incident Marshal Points:**

All Flag and Incident Points are to have and minimum of one radio per point for communication between each other and the Clerk of Course.

5. **Incident Marshal Points:**

All Incident Points must have a Fire extinguisher. Oil spills will be cleaned up by Club Marshals using spill kits and equipment supplied by Manfeild Circuit.

6. **Marshal Numbers**

MNZ Road Race Commissioner to decide Untimed Practice Day staffing numbers on a case-by-case basis

7. **Maximum Motorcycles on Track and for Mass Starts:**

The Maximum fields for motorcycle racing shall be 40 motorcycles. Exceptions to this may be granted by the MNZ Road Race Commissioner on case-by-case basis.

8. **Public 'No Go' Areas:**

These are all sign posted at the track and, where practicable, are fenced off.

9. **Dedicated Refueling Area:**

At present riders are permitted to refuel in their individual pits.

10. **Race Control/Official's Base:**

Located upstairs adjacent to the start/finish line, (04_01).

11. Signal Lights:

Lights will be used at all points combined with Marshalls

12. Marshal Numbers

MNZ Road Race Commissioner to decide Untimed Practice Day staffing numbers on a case-by-case basis

13. Race Starts:

All races are to be started using the circuit starting lights, controlled from the Race Control Office

In the event of a mechanical/electrical failure of the start lights, races may be started with flags

14. Medical Requirements:

Event Care Required	Personnel Required	Vehicles	Facilities
Club Events	2 x Paramedic + Paramedic or Registered Nurse + First Aider (spectators) +/-MIV Driver	Patient Transport Vehicle	Trackside Medical Centre
NZSBK and IMN	A Doctor + Doctor, Paramedic or Registered Nurse + Paramedic or Registered Nurse +/- MIV Driver	MIV + Emergency Ambulance	Trackside Medical Centre

Club Events – Minimum Requirements

Personnel • 2 x paramedics (advanced life support and able to administer pain relief), supplemented by a third paramedic or registered nurse; and

• A driver, experienced in driving the vehicle, who has first aid skills and is familiar with the track / course. This may be inclusive of, or additional to the above personnel needs.

Vehicles • Patient Transport Vehicle

Facilities • Trackside Medical Centre

Personnel

Personnel must have sufficient qualifications, training and experience to take action legally, autonomously and immediately in case of an accident.

Vehicles

Medical vehicles used at Motorcycling New Zealand events must be mechanically sound. The vehicles must be fitted with visual and/or auditory devices which must be operated when the vehicle presents a hazard to riders, spectators or officials. The vehicles must be equipped to communicate with the Chief Medical Officer (if appointed), Medical Services Coordinator and Race Control.

All drivers must be experienced in driving the vehicle, have first aid skills and be familiar with the course. The drivers may be inclusive of or additional to the individual personnel requirements listed for each level of care.

Patient Transport Vehicle (PTV)

A Patient Transport Vehicle is a vehicle or ATV which is staffed and equipped to deliver medical care and assistance to injured riders whilst transporting them safely to the track medical centre or whilst awaiting transport to hospital. The PTV must be designed to access all points of the course, which may require all-terrain or four-wheel drive. Patient Transport Vehicle (to be equipped with)

- [Portable oxygen supply and manual ventilator (self-inflating bag)
- [Skill appropriate airway management equipment including end-tidal CO2 detector;
- [Equipment for emergency chest decompression (needle or catheter);
- [Suction equipment;
- [Immobilization (limb and spine) equipment including a scoop stretcher or spinal board;
- [Sterile dressings and first aid supplies;
- [Cardiac monitor – defibrillator;
- [Drugs for resuscitation and analgesia;
- [Intravenous infusion equipment and IV Fluid;
- [Pulse oximeter, sphygmomanometer and stethoscope;
- [Stretcher (suitably restrained in vehicle).

Facilities

The Track Side Medical Centre must:

- [Be readily accessible from the competition area and have ready access to public roads for subsequent transport of patients to hospital;
- [Ensure patient security and privacy;
- [Be a permanent or temporary structure with adequate space to treat injured riders for both major and minor injuries.
- [Have staff in proximity at all times (if operated);
- [Be a non-smoking zone;
- [Ensure sufficient trauma and first aid supplies to treat two riders simultaneously, as well as sufficient stock for the whole event.

Note: a hospital outside the circuit is not an alternative to the medical center at an event.

Trackside Medical Centre (to be equipped with)

- [Well stocked first aid kit
- [Cervical collars to fit the range of competitors (i.e. an adult and pediatric multi-size collar, or a set of collars of different sizes with spares);
- [A scoop stretcher or spinal board which enables a casualty to be immobilized and moved in an emergency;
- [Portable medical oxygen, with masks suitable for therapeutic oxygen administration, and a bag mask resuscitator suitable for emergency resuscitation; (a suction pump must be available);
- [Advanced airway management equipment;
- [Equipment for intravenous access, fluid therapy and administration of medications;
- [Medications, including Analgesics – Paracetamol, NSAIDs, Methoxyflurane, Morphine Resuscitation – Adrenaline, Glucagon, Atropine, Naloxone;
- [Miscellaneous medications – Aspirin, Glyceryl Trinitrate, Salbutamol, Midazolam;
- [Equipment for cardiac monitoring and resuscitation, including blood pressure and ECG monitors and a defibrillator; and
- [Regionally appropriate drugs and intravenous fluids including injectable and inhaled analgesia, anticonvulsants, cardiac resuscitation drugs and resuscitation fluids.

NZSBK and IMN – Minimum Requirements

Personnel • A doctor experienced in trauma, supplemented by a second doctor, registered nurse or paramedic, supplemented by a further paramedic or registered nurse.

• A driver, experienced in driving the vehicle who has first aid skills and is familiar with the track / course. This may be inclusive of, or additional to the above personnel requirements.

Vehicles • Emergency ambulance or vehicle that is authorized to transport patients under emergency conditions on public roads and that is willing to be present at all times during practice and racing; and

• An additional vehicle that is suitable to retrieve an injured patient from the track.

Personnel

Personnel must have sufficient qualifications, training and experience to take action legally, autonomously and immediately in case of an accident.

Vehicles

Medical vehicles used at Motorcycling New Zealand events must be road worthy. The vehicles must be fitted with beacons and/or auditory devices which must be operated when the vehicle presents a hazard to riders, spectators or officials. The vehicles must be equipped to communicate with the Chief Medical Officer (if appointed), Medical Services Coordinator and Race Control.

All drivers must be experienced in driving the vehicle, have first aid skills and be familiar with the course. The drivers may be inclusive of or additional to the individual personnel requirements listed for each level of care.

If the emergency ambulance leaves the circuit or is unavailable (i.e. treating a patient), it must be replaced by another emergency ambulance before any competition activity is resumed.

Medical Intervention Vehicle (MIV)

A Medical Intervention Vehicle (MIV) is a vehicle used to convey medical personnel and equipment to the scene of any incident where a medical response may be required.

The MIV must be suitable to be driven on the track during competition and must be driven by a suitably skilled and experienced driver.

Where more than one MIV is necessary to ensure adequate response times to any scene at the track, they should be positioned in consultation with Senior Officials and the CMO (if appointed).

Each MIV must be able to communicate with Race Control (radio is recommended) and with the Trackside Medical Centre.

Emergency Ambulance

An emergency ambulance is an ambulance vehicle which is lawfully allowed to transport injured riders on public roads under emergency conditions. It should be staffed by two ALS certified paramedics at a minimum.

Helicopter (Emergency Air Transport)

A helicopter is recommended for events being held in remote locations.

Medical Intervention Vehicle (to be equipped with)

- Well stocked first aid kit;
- Cervical collars to fit the range of competitors (i.e. an adult and paramedic multi-size collar, or a set of collars of different sizes with spares);
- A scoop stretcher or spinal board which enables a casualty to be immobilized and moved in an emergency;
- Portable medical oxygen, with masks suitable for therapeutic oxygen administration, and a self-inflating bag suitable for emergency resuscitation; a suction pump must be available;
- Advanced airway management equipment, including laryngeal mask airways, laryngoscopes and endotracheal tubes as a minimum;
- Equipment for intravenous access, fluid therapy and administration of medications;
- Scheduled medications;
- A defibrillator which can monitor an ECG rhythm.

Emergency Ambulance (to be equipped with)

- Equipment as per Ambulance standards.

Facilities

The Track Side Medical Center must:

- [Be readily accessible from the competition area and have ready access to public roads for subsequent transport of patients to hospital;
- [Ensure patient security and privacy;
- [Be a permanent or temporary structure with adequate space to treat injured riders for both major and minor injuries;
- [Have staff in proximity at all times (if operated);
- [Be a non-smoking zone;
- [Ensure sufficient trauma and first aid supplies to treat two riders simultaneously, as well as sufficient stock for the whole event;
- [Ensure the equipment should be of a level appropriate to those that are using it.

Note: a hospital outside the circuit is not an alternative to the medical center at an event.

Trackside Medical Centre (to be equipped with)

- [Well stocked first aid kit;
- [Equipment for advanced airway management, including endotracheal intubation, surgical airway and ventilation, including suction, oxygen and anesthetic agents;
- [Equipment for intravenous access and fluids including crystalloid solutions;
- [Equipment for thoracic decompression by tube or needle thoracostomy and drainage;
- [Equipment for cardiac monitoring and resuscitation, including blood pressure and ECG monitors and a defibrillator;
- [Equipment for immobilizing the spine at all levels and for the splinting of limb fractures;
- [Drugs including analgesia, anticonvulsants, paralyzing and anesthetic agents, cardiac resuscitation drugs and resuscitation fluids;
- [Broad spectrum antibiotics are recommended;
- [Equipment for diagnostic ultrasound is strongly recommended (if the medical staff are trained in its use).





Turn One



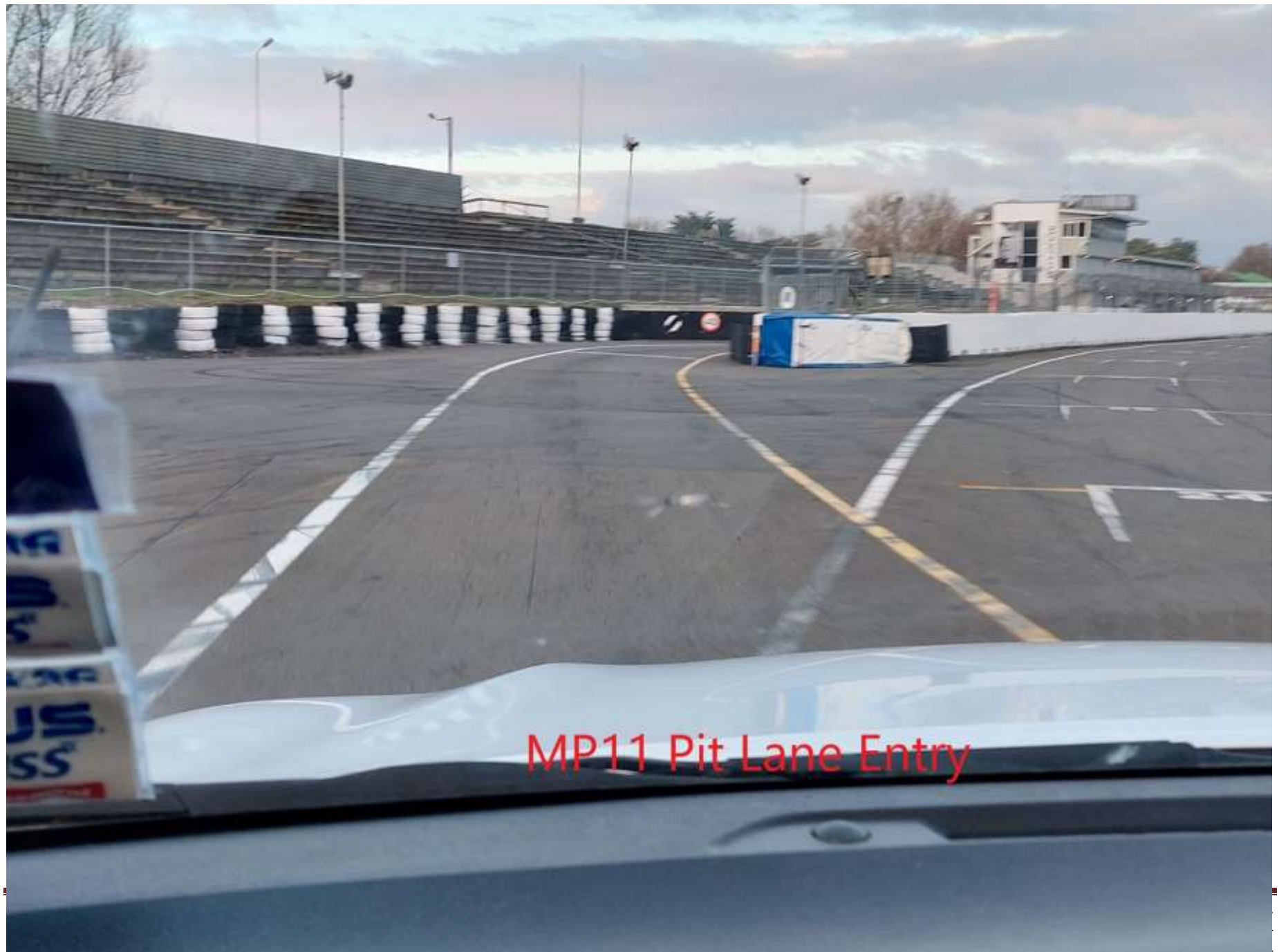
Turn Six



Entry to Turn Seven



Exit from Turn Seven



MP11 Pit Lane Entry

MNZ reserves the right to modify and up date this document as required.

DRAFT