

Appendix 'D'

1.2 SAFETY STANDARDS FOR TRACKS

1.2.1 MINIMUM TRACK SAFETY REQUIREMENTS

The following are the minimum requirements of AIDKA for Dirt Kart Tracks in Australia. The AIDKA NTSO and National Executive reserves the right to vary these Requirements at any time in the interest of safety.

- 1) Track Inspectors: Each club shall appoint a club Track Inspector to be responsible for track safety. These club track inspectors are to liaise with the NTSO to ensure the track is maintained in a safe and satisfactory condition. The club track inspector has the right to stop racing should they consider the track needs repairs to ensure the surface is maintained in a safe and satisfactory condition. The NTSO has the right to approach the club track inspector at any time, if they feel an item of safety needs attention. If the NTSO is not satisfied that the club track inspector has endeavored to correct the problem, then they must approach the club executive and advise them of the problem. If the problem is still not addressed, then the NTSO will advise the AIDKA secretary to notify the club in writing that they have a given timeframe to have the problem corrected. During this timeframe the track may be suspended from holding an AIDKA affiliated event. If the problem is still not corrected after the allowed timeframe, then the NTSO has the power to close the track to all AIDKA affiliated events. The NTSO must notify the AIDKA secretary to advise the club of this in writing.
- 2) Track Inspections: Tracks will be assessed by the NTSO prior to Track License being issued. Physical inspections will be required following any track alterations, minimum 3 months prior to a title event or at the discretion of the NTSO or National Executive. Each track will be assessed on their merits and the NTSO to assist clubs with any necessary improvements over a reasonable period of time to the minimum safety standard.
- 3) Track License: A current AIDKA track license along with any other required license must be displayed in the clubrooms in a prominent location. An AIDKA track license will run for 12 months from 1st February each year and will only be issued provided the following have occurred.
 - 1) Affiliation and Track License fees have been paid,
 - 2) Club Track Self-Assessment has been performed and approved by NTSO.
- 3) Track Maintenance: It is the Chief Stewards responsibility to check that the club track inspector has the track in a safe, satisfactory condition prior to the start of, and during, a race meeting. If at any time they consider the track is not in a safe, satisfactory condition, they must stop all racing, notify the club track inspector and ensure the track is returned to a safe, satisfactory condition.
- 4) Track Layout: The track is to be a minimum of 250m and a maximum of 600m in length with a minimum width of 8m throughout. It is recommended that straights and high speed corners be made wider wherever practical, to allow karts more room to take evasive action and continue racing. Sections of track to be no closer than 4m to itself. Sections that are closer than 5m to itself must have an energy absorbing barrier erected and maintained.
- 5) Track Requirements: All tracks must have the following;
 - 1) A minimum width of 8m at any location,
 - 2) High speed straights or corners must have either a minimum width of 10m or a loose catch trap (ie; sand) consisting of minimum 1500mm in width and 150mm in depth

before the energy absorbing barrier. The loose catch trap must be maintained at the same elevation as the racing surface.

- 3) Where the racing surface is not bordered by a loose catch trap these run off areas must be maintained in a clean and compacted condition that present an even surface, free of any loose stones and debris.
 - 4) Inside of all corners must be defined by a loose earth reel consisting of a maximum height of 200mm. The earth reels must be maintained in a loose state so as to prevent karts from riding front wheels around on top.
 - 5) Must be maintained in a safe and satisfactory condition so as to provide a consistent even racing surface for all competitors.
 - 6) Must have identification for the end of the first corner for the purpose of restarts. This identification must be defined by a cone on the infield or an obvious marker on the outside of the track and announced at the drivers briefing.
 - 7) Must have as a minimum 2 petrol type fire extinguishers located inside the race arena. One located near the starting area and the other located within easy access on the infield.
- 6) Safety Barriers: Must be Energy absorbing barriers to protect kart and driver from serious injury as per options below.
- 1) Car tyres may be used. The tyres shall be of consistent size to ensure even stacking. Tyres must be fixed together up and down as well as side to side in minimum groups of 5 (unless rubber belting is placed along tyres, upon which minimum fixing together of tyres is required). The tyre barrier must be of a minimum height of 600mm. Tyres to be kept free of earth and debris and not placed hard up against any object. No tyres shall be placed over a solid object, (ie over a pole, or post) but instead a continual barrier must be place around the solid object.
 - 2) Plastic Barrels may be used around track perimeter only. The barrels shall be parallel sided plastic drums with a minimum diameter of 600mm and a minimum height of 900mm. The barrels must be fixed together near top and bottom in groups of 5 (unless rubber belting is placed along tyres, upon which minimum fixing together of barrels is required). Barrels to be kept empty and must be at track level, not partly buried. Barrels must undergo continual inspections to ensure plastic is not brittle and will not splinter upon impact.
 - 3) Rubber Belting may be used to provide a continual barrier along track side of tyres or barrels. The belting must be fixed to the tyres or barrels with countersunk or cup head screws top and bottom to minimum every 3rd tyre or barrel.
 - 4) Other energy absorbing barriers may be used subject to prior approval by the NTSO.
- 7) Officials Barrier: Must be constructed with tyres as per Rule 7) (1). The barrier is to be open on one side only (preferably infield side).
- 8) Pit Area:
- 1) Pit must be clearly defined and of sufficient size to cater for a major race meeting. Pit area must be fenced so as to prevent unauthorized access to the general public. AIDKA license holders only access signs must be prominently displayed at each and every access point. A minimum of 2 petrol type fire extinguishers must be located in pit area. One near the in out out grids, one centrally located in pits. Fire Extinguisher location signs to be placed for ease of locating should they be required.
 - 2) Out-grid must be of sufficient size to cater for 2 grids of 20 karts each. Must have gates on front, that are closed during racing. Gates are to be recessed back from race surface.

- 3) In-grid must be of sufficient size to cater for up to 2 fields of 20 karts (40 total). Must have gates on back to prevent karts entering pit area whilst still under power. Gates must be closed during racing.
- 4) Approved and supplied scales shall be checked for calibration annually at or around the time of annual track inspection.

10) ALL CLUBS WILL BE REQUIRED TO COMPLY WITH THE NEW FENCE REQUIREMENTS BY 2016.

- 1) Track Safety Fences: Where fence is closer than 5m to track racing surface, or on high risk areas as directed by NTSO, fence is to be minimum of 1.8m high chain mesh with wire gauge of minimum 2.5mm. Chain mesh to be placed on track side of posts with maximum post spacings of 4.5m. Remainder of track safety fencing is to be 1.2m high of wire mesh (not single strand wires) secured to posts maximum 3m apart. No metal star pickets to be used on track safety fencing.
 - 2) Pit Area Fences: Can be any style of fencing that is a minimum of 900mm high and is of sufficient capacity to prevent people entering areas unauthorized. Where Pit area fence adjoins spectator areas, there needs to be another fence or barrier minimum 1m away to prevent people smoking and leaning over fence near flammable liquids.
 - 3) Spectator Safety Fences: All spectator areas to be adequately fenced off to keep spectators in those areas and away from racing or pit areas. Spectator fences that are not close to Track safety fences can be any style of fencing that is a minimum of 900mm high and of sufficient capacity to prevent people entering areas unauthorized.
- 11) Amenities: Toilet and canteen facilities to comply with local health Regulations. All canteen facilities must have a minimum of 1 fire blanket and fire extinguisher mounted to the wall in an easily accessible location. Canteens must be fitted with RCD safety switches.
- 12) First Aid Requirements: All tracks must have designated area for an ambulance to access the track and at least approved minimum standard of 1st Aid equipment and First Aid room/treatment room onsite. First aid facilities are part of club track licence requirements and will be inspected at least annually when track inspections are completed.
- 13) Service Vehicle Area: All tracks must have designated area for parking and storage of track maintenance equipment and vehicles outside race arena and spectator area during racing.
- 14) Control Towers: IT IS HIGHLY RECOMMENDED THAT All clubs

have as a minimum one of the following FOR ALL BLUE RIBBON EVENTS;

- i. One control tower with two rooms. One room for lap scoring and transponders, one room for Stewarding and driver/crew reprimanding.
- ii. Two control towers. One for lap scoring and transponders, another for Stewarding and driver/crew reprimanding.

This is to stop lap scorers and transponder operators from being distracted and having to deal with Chief stewards and drivers/crew during reprimanding. All control towers must be adequately covered, closed and ventilated with access by way of permanent structure (i.e. stairs).

15) Lighting Requirements: Grid Lighting:

Must be such that no shadows are cast which may be a danger to competitors/pit crews whilst starting karts.

Paddock/Pit Lighting:

Must be adequate enough for competitors/pit crew to move around the paddock without endangering themselves by objects hidden in shadows.

Track Lighting:

- iii. No Point of the racing circuit (track) will measure less than 20 Lux.
- iv. Track lighting is to be measured at APPROX 750MM ABOVE GROUND level on the inside, centre and the outside of the track.
- v. The area on the track used to record kart numbers will measure no less than 38 Lux.
- vi. The starting area will measure no less than 38 Lux.
- vii. No lighting shall cause glare to Drivers or officials.
- viii. Any circuit used under lights must have the track edges and wind rows be maintained at a high standard and can be clearly defined during night racing.
- ix. All new track lighting be designed by a qualified person.

Amenities and Canteen Areas Lighting:

Must be adequate enough for visitors, families, competitors, and pit crew to move around these areas without endangering themselves by objects hidden in shadows.

16) CHANGES TO FACILITIES.

All clubs are required to notify the NTSO via the AIDKA Secretary in writing prior to any changes being made to track, fencing or facilities that might have an impact upon safety. The changes will then be assessed and the club notified of the result.