

ICEROADRACING

FINNISH CHAMPIONSHIP COMPETITIONS

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NOTICE!

This document repeatedly refers to national authorities and publications of Finnish Motorcycle Federation, such as *Sporting Regulations* and *Iceroadracing Commission (IC)*.

National Sporting Regulations (hereafter Sporting Regulations) is a national collection of general rules and conditions authored and established by the Finnish Motorcycle Federation. National Sporting Regulations are not available in English.

Iceroadracing Commission is a typical national commission nominated and authored by the Finnish Motorcycle Federation. Iceroadracing Commission (hereafter IC) is responsive for studying and drawing the regulations and routines of iceroadracing in Finland.

001 ICEROADRACING COMPETITIONS

001.1 INTRODUCTION

A competition series for motorcycles equipped with special studded tyres, racing on ice surfaced circuit. These regulations and conditions are to be followed in, but not limited to, competitions approved by the Finnish Motorcycle Federation.

001.2 CIRCUIT STANDARDS

The racing track must have turns to left and right. Minimal width of track is 15 meters, starting grid 30 meters. Min. length of track is 800 meters. Exceptions are allowed to circuits built on frozen ground (e.g. stadium).

In the Finnish Championship series track length is min. 1500 meters.
In class C 80 maximum length of a straight is 250 meters.

Pine twigs or visible colorful plastic band should be used as track marks.

The spectator's area must be isolated from the racing track with a safety area min. 5 meters of width and a snow bank min. height of 1 meter.

The track profile should encourage competitors to use alternate lines in corners, in sight of reducing excessive track surface wear. The last corner of the lap should be very sharp (low-speed) for extended safety of competitors.

The race organizer must take action between sessions to remove snow- and ice dust from track surface.

Competitors must have the possibility to perform at least 4 race practice laps. Competitor is not allowed to participate to the competition unless one performed practice lap on the current event.

001.3 MOTORCYCLES

Category I, groups A/1, B/2 and ATV (art. 001.3.1) motorcycles are eligible to participate in competitions.

- Category I group A/1: solo motorcycles:
Two-wheeled vehicle, which in straightforward motion leaves one track to the ground.
- Category I group B/2: sidecar motorcycles;
Three-wheeled vehicle, which in straightforward motion leaves two or three tracks to the ground. If the vehicle leaves three tracks, the distance of those centre lines must not exceed 75 mm. The sidecar must be a solid and integral component of the vehicle.

Motorcycles (Group A) are constructed to be fully controlled by the driver.
Sidecar motorcycles (Group B) are constructed to transport a passenger. Vehicles of different groups must not participate in same races (heats).

Head- or taillights must be removed or protected.

The registering number plates must be removed.

Switching wheels between vehicles is allowed only in control of Technical Director.

The operating principle of the engines must remain as originally manufactured.

Electronic fuel injection (EFI) is prohibited, unless the motorcycle is originally manufactured with integrated EFI.

The permissionable noise level as described in national motocross regulations.

The exhaust outcome (tailpipe) can be pointed downwards, in max. 45-degree angle measured from horizontal level.

In class C 80, modifying the motorcycle frame or rear swing arm is prohibited.

In classes A- and B 125 cc must 2-stroke engines be equipped with a functioning exhaust port valve.

The engines must be equipped with an integrated and functioning starting device.

An air box must be used to deliver the intake air to the engines

Only a one cylindered engine is eligible to participate in Finnish Championship series of the Sidecar- class. The displacement of the cylinder is not limited.

Sidecar vehicles must be equipped with a roll-over bar, in front of the front wheel, reaching the centre line level. A similar guard to the rear wheel is recommended.

Sidecar vehicles must be equipped with a taillight (approved B-type), placed to the rear fender of the sidecar pointing backwards. Bulb capacity min. 21 W

001.3.1 ATV (Four-Wheel motorcycle)

- ATVs must be equipped with a safety switch (art. 001.12).
- The max. width of the ATV is 1300 mm.
- The max. width of the handlebar is 850 mm, min. 600 mm.
- A hand-operated brake affecting both front wheels and a foot-operated brake affecting both rear wheels is compulsory.
- Other conditions and rules as in national Motocross/Supermoto regulations.

001.4 CLASSES

Competitions and series can be arranged for following driver classifications, categories and capacities:

- **Class 500** for both A and B classified competitors with motorcycles of two-stroke engines, capacities 251 to 500 cc or four-stroke engines capacities 251 to 700 cc
- **Class 250** for both A and B classified competitors with motorcycles of two-stroke motorcycles engines, capacities 126 to 250 cc.
- **Class 125** for both A and B classified competitors with motorcycles of two-stroke engines, capacities up to 125cc and four-stroke engines capacities up to 250 cc.
- **Class Sidecars** for single cylinder engines, no competitor classifications or engine cycle restrictions.
- **Class Veterans** for over 40 years of age competitors who do not participate in class A or B starts in same competition. Capacity and engine cycle principles are not limited.
- **Class C 80** for two-stroke engines, capacities 51 to 85 cc competitor ages 12 to 16.
- **Class ATV1** for four wheeled motorcycles, capacities 200 to 500 cc.
- **Class ATV2** for four wheeled motorcycles, capacities 500 to 750 cc.

Finnish Championship series will be arranged for A classified competitors in classes 125, 250, 500, Sidecars and Club Teams. Championship points are calculated according to Sporting Regulations, counting total amount of points from all races minus one. Club Teams –championship is competed as one event (art. 001.11).

Normally each class competes separately: C80, B125, A125, B250, A250, B500, A500, Veterans, ATV 1, ATV 2. In case of only few participants, classes can be combined.

Classification points are calculated according to Sporting Regulations for each competitor's achievements in class B races. At the end of season IC gives A- classification to certain count of competitors. In class C 80 no classification points are noticed or calculated.

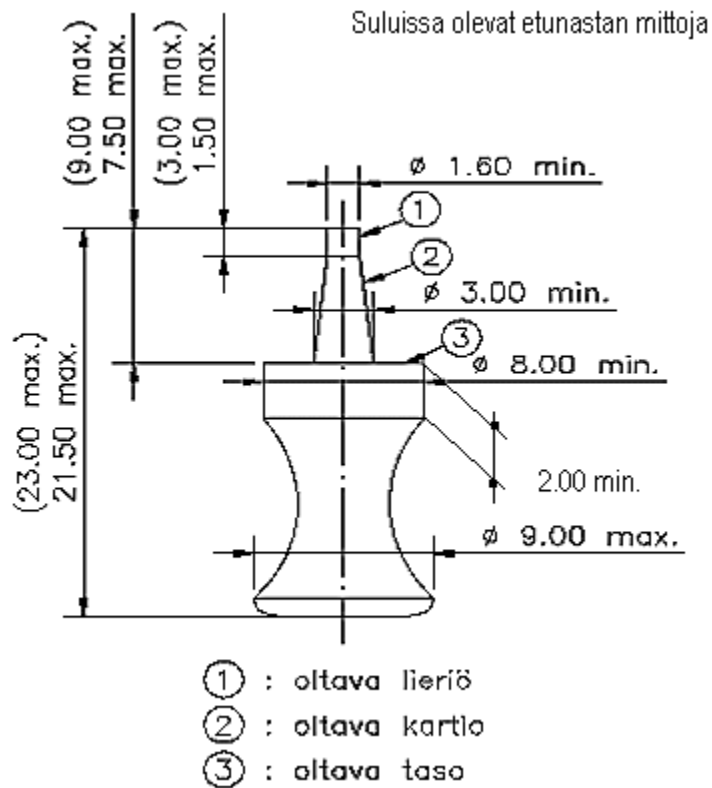
001.4.1 Classification

All B classified competitors must have a chance to race in an event. If the count of participants is too big to race in one heat, must competitors be divided to multiple heats. Classification points are calculated from each heat separately. Sporting Regulation's principles for classification observes the count of competitors. Competitor shall participate in only classes to which his/hers classification and licence rights allow. Exception allowed for classification in Club Teams –competition, but no exception for licence rights, competitor must always have licence rights for competition he/she participates. IC can accept exceptions to classification if driver can prove skills for participating in A class, or consider classification in case of driver has not competed in two or more seasons, while normally his/hers previous A classification is degraded to B.

001.5 TYRES AND STUDS

In general for solo -classes:

Studs of the rear tyre max. total length of 21.5 mm. Studs for front tyre max. total length of 23 mm. Outreaching section of stud is strictly regulated as seen in drawing. Cutting or altering tyre tread pattern is strictly forbidden except drilling holes for studs.



Drawing 1

- 1."Must be cylindrical"
 - 2."Must be conical"
 - 3."Must be flat"
- (Inside measurements for front tyres studs)

Except in Sidecar class:

- Studs should have max. total length of 22 mm/front tyre and 25 mm/rear tyre.
- Min. diameter of stud tip 2 mm/front and 2.5 mm/rear.
- Stud tip should be of sintered carbide.
- Max. count of studs is limited for rear tyre only: 350 pcs.

Except in ATV class:

- Studs should have max. total length of 18 mm/front tyre and 20 mm/rear tyre.
- Min. diameter of stud tip 2 mm/front and 2.2 mm/rear.
- Studs should be commercially delivered and available.
- Max. count of studs: 200 pcs/tyre/front and 250 pcs/tyre/rear.
- Min. width of tyres: 6"/front and 10"/rear.
- Diameter of wheels: 8" to 10".
- Width of wheels: 5" to 6" /front and 8" to 10"/rear.
- Use of car tyres is prohibited.

Except in C 80 class:

- Only commercially delivered and available Motocross –type tyres are allowed.
- Max. diameter of wheels: 19"/front and 16"/rear.
- Studs according to solo-classes.

001.5.1 Count of studs

For classes 125, 250, 500 and Veterans the max. count of studs is defined by corresponding width of tyre, as follows:

1. If visible factory printed width -size of tyre is:
 - Less than 3.50": Max. count is 50-pcs/sector.
 - Less than 4.25": Max. count is 60-pcs/ sector.
 - Over 4.25": Max. count is 70-pcs/ sector.

2. If visible factory printed width –size of tyre is:
 - Less than 100 mm: Max. count is 50-pcs/ sector.
 - Less than 120 mm: Max. count is 60-pcs/ sector.
 - Over 120 mm: Max. count is 70-pcs/ sector.

If tyre size is indicated in both inches and millimetres: Inch –size is counted.

Sector as described in art. 001.5.2.

001.5.2 Measuring the count of studs

Count of studs is measured as follows: Along the outer circle of the tyre, measure a length of 300 mm. Together, a radius (radial line towards the centre of the wheel) from both ends of the measured length, defines a sector. Inside this sector, on tyre tread surface, no more than max. count of studs is allowed.

001.5.3 Studding depth

In classes 125, 250, 500 and Veterans, studs must be seated in the rubber so that the upper flange of stud never reaches higher than the rubber-knobs surface level. This is called "Surface level studding".

Control of tyres and studs:

- Randomly, strict inspections in technical control during every competition.
- All rear tyres are expeditiously inspected and marked in technical control during every competition.
- Competitor can have one extra rear tyre marked for each participating motorcycle.
- After the competition technical control should check if the motorcycle is equipped with a marked tyre.
- In case of a protest, Jury of the meeting decides legality as normally.
- If studs are risen during competition, causing Studding depth (001.5.3) – rule violation, competitors performance should not be disqualified if technical control considers the reasons to be normal wear or failure of the glue layer.

001.6 START

Start procedure of all competitions as follows:

- Starting line is located aside of the racetrack.
- Start indicated by lights, with a light beam equipped jump-start control system.
- Start indicated by flag is allowed in national races.
- The front wheel of the motorcycle must be located in min. of 5 cm deep groove across the starting line, at the moment of start.
- Second personal jump-start during the event, causes exclusion of competition to the competitor.
- The starting order (the order in which the competitors arrive to the starting line) in the first Finnish Championship competition of the current series is determined according to the points standings of the previous season.
- In the following competitions, the starting order is determined according to descending order of points standings during current season, the rest in ascending order of competitors racing numbers.
- In B- and C 80- classes the starting order must be randomized.
- Except if the starting order is determined by qualifying heats.

The competitor's racing numbers in the current Finnish Championship series is determined according to points standings of the previous season. In Veteran –class the numbering starts from 50.

001.7 RACE PROCEDURE

Competition can be arranged as:

- a) Final , length of race (heat) min.15 km, or
- b) Qualification and final by arranging qualification heats, to determine 15 competitors to the final, based on timed results. Min. length of a qualification heat is 5 km and final 10 - 15 km, which shall be indicated as circuit laps. It is recommended to arrange a B-final for out qualified competitors.

Qualification in Finnish Championship competitions (A classes):

While arranging qualification heats, min. length of heat is 4 laps. To the start of the final, competitors arrive in following order: 1:st of A-qualifier, 1:st of B-qualifier, 1:st of C-qualifier, 2:nd of A-qualifier etc.

To inform competitors about the start procedure, official signaling and other conditions, it is recommended to arrange an information meeting for drivers with agenda of race-specific matters. An organized information board with schedule, results etc. on visible place at paddock are compulsory.

In class C 80 the length of race (heat) approx. 6 km.

001.7.1 Flags

Official signaling happens by flags, in sizes of 750-600 mm, as follows:

<u>Flags:</u>	<u>Indicating:</u>
Red	Session interrupted by order of Race Director Competitors must return carefully to pits.
Black / number of competitor.	The pointed competitor must stop immediately to the pits.
Yellow, stabile	Danger, passing of only standing or very slowly moving drivers is allowed.
Yellow, waved	Instant danger, prepare to stop, do not pass.
Blue, waved	Notice, you are lapped soon.
Green	Track is clear.
Blue-white	Start.
B/W- checkered	Race is finished.

001.8 NUMBER OF ENTRIES

In classes 80, 125, 250 500 and Veterans, must the space reserved for each motorcycle at the starting line be min. 1 meter of width. In Sidecar and ATV classes, must the space reserved for each motorcycle at the starting line be min. 2 meters of width.

Only one row of competitors is allowed on the starting line.

Circumstantially, max. count of competitors allowed in one race (heat) are 20-25, except in class C 80 max. 20 competitors.

001.9 ELIGIBLE COMPETITORS

All A- or B- class competitors are eligible to participate to iceroadracing competitions.
Age limits of participants as in Sporting Regulations art. 60.4.
Age limit of class C 80 participants: from the beginning of the 12:th year of age, to the end of 16:th year of age.
Age limit of class ATV 1 from the beginning of the 15:th year of age.
Age limit of class ATV 2 from the beginning of the 16:th year of age.

001.10 FINAL CONTROL

The six (6) first positioned competitors vehicles must be placed to Parc fermé immediately after the current race (heat), for possible inspections. From a vehicle in Parc fermé it is allowed to remove wheel/wheels only, under control of the organizer.

001.11. FINNISH CHAMPIONSHIP OF TEAM CLUBS

The procedure of Finnish Championship of Team Clubs competition as follows:
The team consists of three competitors: 125-, 250- and 500 class driver. Eligible competitors as described in Sporting Regulations art. 060.1. If a competitor has during the current calendar year represented a club, he/she cannot represent another club in Team Clubs competition. The team performs six results; each class races two separate heats. Five best results of each team are counted as overall points. The team collecting least of all overall points (best series of heat results) is the most successful, with the following exceptions. If a team competitor does not start to the heat or performs less than two laps of a heat, is that noticed as a "zero-result". Otherwise, a result must always be noticed. The team collecting least of all zero-results are the most successful. In case of equal points, the heat results (1:st places, 2:nd places etc.) determine the final standing. If still in equal points, the sixth (ignored) heat result determines the final standing.

001.12 SAFETY SWITCH

Motorcycles must be equipped with a safety switch (kill switch, familiar from snowmobiles), which stops the ignition power, while triggered. The safety switch must be fastened in immediate enclosure of the handlebar fasteners.

The triggering cable must be attached to the right hand of the competitor. Max. distance (cable length) to trigger the switch is 1 meter. It is allowed to use "phone cord"- style spiral cable which max. stretched length is 1 meter.

001.13 OTHER CONDITIONS AND RULES

- Clothing (race wear) as described in Sporting Regulations, technical rules art. 015. Requirements for clothing and footwear are similar to Road Racing/Drag Racing. Braces for protecting chest, back and shoulders are compulsory. It is strongly recommended to use a neck brace in C 80 class.
- It is recommended to give prizes/trophies to 1:3 of participants.
- The organizer should arrange the track cleaning with enough resources for quick and accurate operation.
- Every competition- or transport vehicle must be equipped with oil absorption material in the paddock to prevent any liquid leakage on ice or ground.
- FIM or UEM international license owners are eligible participate in Finnish Championship series.
- Allowed fuel as described in Sporting Regulations, technical rules art. 014 and art. 144.
- The IC recommends the amount of the entry fee during pre-season.
- If the same motorcycle participates to both A- and B-classes, it is allowed to use A-class number/number plate colors.
- In C 80-class the number/number plate colors is determined by competitor's national motocross-classification.
- In C 80-class national youth-sporting license is required.
- Following schedule order is recommended in competitions:
 - C 80
 - Sidecars
 - Veterans
 - Track cleaning
 - A125
 - B125
 - Track cleaning
 - A250
 - B250
 - Track cleaning
 - A500
 - B500
 - ATV
- Other rules and conditions as described in the current Sporting Regulations.