

VERIFICATION AND CONTROL

These **GENERAL RULES** apply to all types of ISR racing sanctions and all classes unless so noted. All participants, racers and crewmembers are required to be fully aware of these regulations and must abide by them.

The rules for competition are intended only as a guide for the conduct of the sport in a uniform manner from region to region.

Safety rules and guidelines contained herein are of utmost importance. All participants must be concerned with safety and be familiar with these rules and guidelines. However, ISR does not warrant, guarantee or insure safety even if the rules are enforced and/or adhered to. More over, each participant in competition has the responsibility to assess the safety aspects of the facilities and conditions and must assume the risk of competition.

MANDATORY EMERGENCY VEHICLE

1. A properly licensed and equipped emergency vehicle (i.e. rescue vehicle or ambulance) must be at the race site to transport injured persons to an appropriate hospital. Said vehicle will be fully equipped to include items such as oxygen, first aid, burn equipment, splints, backboard and stretcher. This vehicle shall have all emergency equipment.

RULE SUPPLEMENTS

1. Rule supplements, additions or corrections shall be announced in the official publication, magazines or newsletter. Upon such an announcement the rule changes become effective and enforceable.
2. Telephonic race rules conference calls will be followed up with an information letter to the affected affiliates.
3. After a rules meeting, any request to reconsider a new rule requires a $\frac{3}{4}$ majority vote of the rules committee to approve a revote. Then, a $\frac{3}{4}$ majority is also required to change the rule.

CLASS DIVISIONS

1. All class entries will not discriminate on the basis of sex. Any qualified member may participate in the approved classes offered in any sanctioned event.
2. A snowmobile will be allowed to race in its respective displacement, or designated performance class, and any larger displacement or performance class, except as noted in specific sections.

REGISTRATION AND ENTRY

1. WAIVER FORMS ARE MANDATORY FOR ALL PERSONNEL IN SECURED AREAS (paddock, staging and track).
2. Driver must have registered at race headquarters and signed a waiver before any runs are made (practice or racing). No one, except officially entered drivers may ride or practice on any racecourse on the day of the event.

3. No refunds of entry or other fees will be made at sanctioned events after registration is closed, unless the event is cancelled or rescheduled by a ruling of the Race Director, after which time fees will be returned.
4. Any competitor who pays for race entry or organization membership with a check or credit card is responsible for the payment of all charges should the bank or other institution fail to remit for whatever reason.
5. Drivers who fail to complete payment for entry fees are subject to discipline prescribed by the ISR affiliate. Drivers may be suspended for a period of one year from the date on which the debt is paid.
 - a. If the participant stops payment on check or credit card, participant gives up the right to protest or appeal until full payment is made.
 - b. Participants who pass NSF checks must pay entry and prescribed fees in full before the next race or within 30 days, whichever is sooner.
6. Insurance fees are not refundable.
7. Regional service charges or insurance surcharges are not considered part of entry fee maximums.
8. Gate admission fees for driver and crewmembers will be regulated on a regional basis.
9. The order of events will be regulated on a regional basis.
10. The maximum number of classes a driver can enter per day will be regulated on a regional basis.
11. Any class or event can be eliminated when there are less than two (2) official entries at the close of registration.
12. All participants in events must be fully familiar with the rules and regulations, plus such rules by Race Promoters that may be specifically applied to any event.

DRIVER AND SNOWMOBILE

1. A driver and his snowmobile (chassis and engine) shall be considered a unit and once the class has begun, neither will be substituted. If a driver qualified on a snowmobile, both must be in the same final event of the class and/or event.
2. Engine parts may be replaced during the event, except for the crankcase and crankshaft, which may not be replaced.

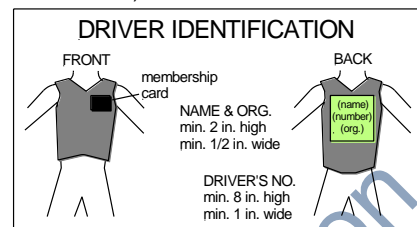
SPONSOR IDENTIFICATION

1. Anytime the sanctioning organization or sanctioned event has a sponsorship, all members and promoters must meet sponsorship requirements, as long as drivers' number system is not compromised.
2. Recommended size for any sponsor's required emblem should not exceed sixteen (16) square inches on the front and twenty four (24) square inches on the back of the driver's uniform.

DRIVER IDENTIFICATION

1. There will be an automatic suspension for drivers who race under another driver's number.
2. All drivers will wear their issued bib or a facsimile thereof. Drivers will be required

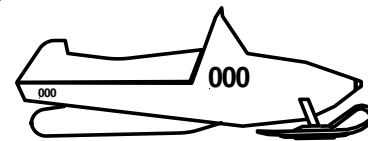
to keep the snowmobile numbers and bib numbers in a legible condition (see illustration).



SNOWMOBILE IDENTIFICATION

1. The driver's assigned competitive number must be displayed on both sides of snowmobile hood. The number must be a minimum of six (6) inches high, 3/4 inches wide and be displayed in contrasting colors. Numbers must also be displayed on both sides of tunnel, minimum four (4) inches high. These numbers must be displayed on the snowmobile in a permanent manner before being allowed to race (see illustration). (See Sno-cross section for applicable Sno-cross rules.) (Hillclimb)- Drivers will no longer need to display class participation levels on the sled. The driver will need to provide accurate class information to technical inspection staff. Hillclimb sled competition/race numbers may be permanent or displayed on an approved decal and individual numbers must be a minimum of three (3) inches high and two (2) inches wide.

DRIVER'S NUMBER ON SNOWMOBILE



PRE-RACE SAFETY INSPECTION

1. ANY ENTRY IS SUBJECT TO INSPECTION UPON REQUEST BY THE RACE DIRECTOR OR TECHNICAL DIRECTOR.
2. Pre-race safety inspections are mandatory at all races. Passing a pre-race safety inspection is no guarantee that a snowmobile complies with all rules for the event.
3. Only snowmobiles having passed pre-race inspection will be allowed on the racetrack.
4. All aspects of modification are contingent on safety inspection by the Technical Director. The Technical Director may remove any snowmobile from competition that does not meet safety requirements.
5. Damaged or broken safety equipment (not including tether switch) not detected during a race is not grounds for disqualification after completion of that race unless black-flagged during the race in question.

MANDATORY TEARDOWN

1. Regardless of snowmobile equipment passing prior inspections, compliance with the rules must be made at the post-race inspection.

2. Once a snowmobile has completed registration to race it may be inspected at any time.
3. Tech Director will select the snowmobiles for mandatory teardown and inspection. Drivers will take their snowmobiles directly to Tech after completing the race. The snowmobile must remain in Tech until released by the Tech Director or a designated member of the Tech staff.
4. Driver and/or driver's mechanic will perform teardown to point required by the Technical Director.
5. Any driver not reporting to Tech or refusing teardown will be disqualified.
6. Inspected snowmobiles will not be reassembled by the inspection group.
7. Driver and/or driver's mechanic will be the only two (2) people allowed with the snowmobile in the inspection area.
8. The sanctioning organization assumes no responsibility for impounded snowmobiles.

SEALS

1. Drivers will allow the installation of a seal or seals on the engine and/or body of their racing snowmobiles. To change the seal, mutilate it or try to break it, or re-use it, during the weekend or event where it is installed without the consent of the Race Director, could result in the responsible driver being called before the disciplinary committee for strict discipline. Accidental breakage of the seal must be reported to the Race Director immediately.

PROTESTS

1. All formal protests must be made in writing, by a driver, in competition at the event, from the class in question, on a formal protest form, accompanied by a cash protest fee (protest fee may vary by region or circuit) two hundred and fifty dollars (\$250.00) recommended.
2. When the official protest is made with the fee, the item to be protested must be stated (a general protest will not be accepted), teardown will not be complete until protest is found to be valid or proven unwarranted. If the protest is valid, the fee will be returned to the protester. If the protest is invalid, the fee will be given to the protested snowmobile owner for the inconvenience (to be accomplished before the snowmobiles are released from teardown).
3. There is no need for formal protests in the case of driving infractions during an event. Reports of such alleged infractions should be made to the Race Director, who in turn will request a report from the flagman or assigned official on the course.
4. Race Director has the authority to determine the validity of a protest.
5. No protests will be accepted that refer to a Race/Technical Director's judgement or decision.
6. It shall not be possible to protest or appeal technical inspection equipment, manual /electronic scoring or manual/electronic timing equipment.
7. Protests must be filed within thirty (30) minutes following the completion of the daily event or within thirty minutes

- following the official announcement of results for the class in question whichever occurs first.
8. Properly filed protests must be addressed by sanctioning body before finalizing class results.

APPEALS

Appeals Process

The following appeals process shall be applicable for all ISR affiliates and will be the binding operational guide and procedure statement for all affiliates effective July 30, 2015. For any Affiliate that has a internal Appeals Process, the process will only apply to operations inside the association or company and will not have any bearing on race rule interpretation, infractions, misconduct or other situations that may arise from race activity.

Technical Infractions

Driver or team are found in non compliance with the rules concerning fuel, sled construction, specific dimensions, materials used, or components used not conforming to the rules for each specific class, the following will be the procedure.

Tech Director or Race Director determines infraction and makes the appropriate decision considering the gravity of the offence. The Director may:

- a. Verbally warn driver or team.
- b. Disqualify driver from event for the class specified.
- c. Disqualify driver from all events entered in days competition.
- d. Fine driver, if affiliate has a fine process in place in the affiliates bylaws or published operational guide.
- e. Suspend driver or team for season.

On Track Infractions

Race Director determines infraction and makes the appropriate decision considering the gravity of the offence. The Director may:

- a. Verbally warn driver or team.
- b. Disqualify driver from event for the class specified.
- c. Disqualify driver from all events entered in days competition.
- d. Fine driver, if affiliate has a fine process in place in the affiliates bylaws or published operational guide.
- e. Suspend driver or team for season.

If the affected driver feels the decision is not correct, he/she may appeal the decision in the following manner.

1. The Appeal must be presented to the affiliate Race Director in writing using the ISR approved form available from the ISR web site. This form must be presented within 30 minutes of the announcement of the disqualification or penalty. The Appeal must be accepted by the affiliate.
2. The affiliate must within 24 hours convene a meeting of the owner/ management/ officials of the affiliate and review the offense/

infraction. If the offense is upheld, the driver/team can request a further appeal to ISR and ask for a review by the rules group for the particular discipline. ISR has 5 days to conduct such review with the rules committee of the specific discipline. If the Appeal is found valid, all points, money, prizes, etc are returned/ awarded to the driver/team.

3. If the offense is upheld, the Affiliate and the Driver/team must inform ISR of the situation within 24 hours of the alleged infraction. ISR will then, within 5 working days conduct a review of the situation, convene the appropriate rule review group from the proper discipline/aspect and render a decision. The decision of this session is binding and has no further appeal.

Affiliates and Drivers must review the Chain of Custody and submission of components/ fuels/ design concepts presented for the Appeal. If the driver/team does not submit samples, exhibits, photos, etc of the offending component or fuel, the appeal is considered void and the penalty stands. If the Affiliate does not accept and submit samples, exhibits, photos, etc of the offending component or fuel, the appeal is considered void, and the penalty is rescinded and all prize money, awards and points are returned to the driver/team. There is no appeal of any type to this operational chain of evidence and procedure.

The Operational Guideline and Appeals Forms are found here:

[Race Operation Infractions Click here](#)
[Rules Interpretation Issues Click here](#)
[Business Operation Misconduct Click here](#)

The affected driver/team may ask for a review of a decision or procedure within 30 minutes of the conclusion of the event or race where the infraction is deemed to have occurred.

1. The Appeal must be presented to the affiliate Race Director in writing using the ISR approved form available from the ISR web site. This form must be presented within 30 minutes of the announcement of the disqualification or penalty. The Appeal must be accepted by the affiliate.

2. The affiliate must within 24 hours convene a meeting of the owner/ management/ officials of the affiliate and review the offense/ infraction. If the offense is upheld, the driver/team can request a further appeal to ISR. ISR has 5 days to conduct such review by ISR management and consultants. If upheld the driver/team has no further appeal. If the Affiliate decision is overruled, all points, money and prizes are awarded to the driver. The ISR decision is binding and has no further appeal, from Driver/Team or Affiliate.

NOTICE

Driver infractions/ disqualifications in a drag racing, oval racing, enduro racing, cross country racing, water cross racing, and speed run racing events will be forwarded to all ISR affiliates.

NOTICE

Drivers, promoters or any personnel affiliated

with ISR snowmobile events who are banned from racing or subject to other major penalties by one affiliate, having completed the hearing process, the decision shall be honored by all ISR affiliates.

PRIZES AND AWARDS

1. All prizes, awards and paybacks shall be presented to the official winners or their appointed representatives at the close of the event, unless specifically advertised otherwise as to the time and place of awards.
2. Drivers will not be required to attend award banquets, parties, ceremonies, etc., in order to receive prizes, awards or paybacks, although they are encouraged to cooperate as a courtesy to the promoter.

PIT AND PADDOCK/STAGING AREA

1. Reasonable speeds will be observed in the pit and paddock area. All pit areas are caution zones where utmost in driver awareness is required.
2. Hot pit and staging areas are limited to drivers preparing to race and their pit crewmembers. Minimum age for pit crewmembers in these areas is 14 years old. All persons in these areas must have signed a release and waiver for the event.
3. There is no minimum age for people in paddock, pit parking and cold pit areas. It is recommended that people in these areas be required to sign a release and waiver.

TESTING, TUNE-UP, WARM-UP & PRACTICE

1. It is highly recommended that testing areas (separate from the racetrack) not be used.
2. Testing of the engine and/or snowmobile must be done in a designated area only. Driver must consult with Race Director to determine proper testing areas at each event.
3. Testing area must be a suitable course or area, completely free of obstructions, which provides adequate and safe run-off areas so competitor may slow down and exit safely.
4. Fences or squared off banks shall not be permitted at the end of the testing area.
5. Officials must provide proper supervision of the testing areas as well as adequate crowd control to prevent spectators or other persons from moving onto the area.

SUPPORT VEHICLES

1. No unauthorized motorized vehicles will be allowed in the pit or staging area. Snowmobiles have to return under their own power. Only disabled snowmobiles may be towed from the track.

TEMPORARY SHELTERS

1. Competitors shall not utilize temporary shelters such as tents, sunshades or other structures made from flammable materials. Such equipment shall have proof of flame resistance testing affixed for inspection by race officials.

ANIMALS

1. No aggressive animals will be allowed at the race site.

DRIVER PROTECTIVE EQUIPMENT

It is the responsibility of the racer to select protective equipment that will conform to ISR guidelines and provide adequate protection. Even though race rules committees and ISR develop guidelines, ISR does not endorse or guarantee specific products or manufacturers of protective equipment. Racers must rely on their own judgment in the selection of helmets and other apparel for protection and durability.

NOTICE:

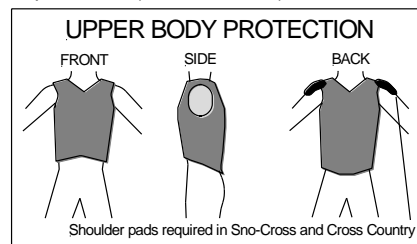
EFFECTIVE THE 2017-2018 SEASON (Start date June 1, 2017) All helmets will be required to be 2015 Snell foundation approval Code. Helmets carrying specific for the timeframe updated ECE 22.05 European standard will also be approved)

1. Regardless of driver apparel passing prior inspections, compliance with the rules must be made at post-race inspections. Full coverage helmets are mandatory. Helmets will be full protective coverage and carry the 2010 Snell Foundation Approval Code. Helmets carrying European Standard ECE 22.05 are also approved. This is also mandatory in the tune-up area. The helmet must be securely fastened at all times. SnowCross: Any snowmobile operator under the age of 18, must wear a helmet anytime a snowmobile is operated anywhere at the racing facility.
2. Enclosed cockpit sled drivers must use a automotive certified helmet meeting Snell SA specifications.
3. (Oval, Cross Country, Enduro) It is mandatory that the driver's helmet must be a minimum of seventy five percent (75%) international or blaze orange.
4. (Sno-Cross /Watercross): The helmet must be predominantly blaze or international orange in color. More than 50% of its entire outer surface including the visor must be orange. There is a mandatory 6" x 6" area located lower center in the middle of the back of the helmet that must be solid Orange. A template measuring 2 inches by 3 inches placed anywhere on the helmet must contact orange color except on a 4" X 6" spot on the left and right hand side of the helmet. [Click here to see a Diagram.](#) On a typical snocross helmet there should be at least 144 square inches (12 X 12 inches) of orange.

For Enduro, Ice Lemans, Oval Sprint, Vintage oval, and Snow Cross: At least one hundred forty four (144) square inches of visible area on both the driver's front and back (upper body) will be international or blaze orange in color at all events. Jackets / Pullovers / Jerseys will be teched lying flat on the ground front and back. This is strongly recommended in all other types of racing. This does not apply in Enclosed Cockpit classes. This does not

apply in Enclosed Cockpit or Outlaw 600 classes.

5. Gloves and clothing, along with at least above ankle leather boots are mandatory (above ankle boot must have a minimum of 6 inches of leather above the ankle).
6. Eye protection mandatory; facemasks may be required at the starting line at the discretion of the Race Director. If corrective lenses are required to drive a motor vehicle, the driver will also be required to wear them when racing.
7. Hearing protection is mandatory in all non-stock classes in all types of competition. Recommended for all stock class competition.
8. The use of upper body protection equipment is mandatory, except for enclosed cockpits. The upper body protection must cover all body areas shown in illustration. It will protect the driver in mid-body and back areas and be capable of resisting penetration and dissipating force of impacts while absorbing the shock of most blows. Typical motocross vests do not meet this rule.
9. (Cross Country / Sno Cross) Shoulder pads must be added to upper body protection (see illustration).



10. Shin and knee guards are mandatory. Shin and knee guards will be worn on both legs. The shin guard must extend from the instep to above the kneecap and be constructed of an impenetrable material.
11. Upper Arm Pads and Elbow pads are highly recommended in all forms of racing.
12. Neck bracing recommended in all forms of racing.

Upper Body Protection That Meets ISR Guidelines [Click Here](#)

Evs [Click Here](#)

Tek Vest [Click Here](#)

Saf-Jak [Click Here](#)

Leatt Adult [Click Here](#)

Leatt Youth [Click Here](#)

HMK Protective Vest [Click Here](#)

GENERAL COMPETITION

FLAG RULES

1. There shall be a meeting between the flagman and corner flagmen prior to the start of a race so there is a definite understanding concerning the use of the corner flags.
2. Any competitor who does not obey the following rules will be subject to disqualification and/or fine.

GREEN FLAG

1. Start of race or signifies course is clear and race is in progress.

YELLOW FLAG

1. (OVAL) Track corners: signifies there is an additional safety hazard on the track.
2. (SNO-CROSS) A yellow flag indicates an accident or other incident, which may include obstruction of the racetrack.
 - a. Yellow flag zone is that portion of the track from the first yellow flag to a point past the entire incident.
 - b. Drivers must slow down and observe caution while in the yellow flag zone.
 - c. No passing allowed in a yellow flag zone.
 - d. Racing may be resumed after leaving the yellow flag zone.
3. (ENDURO) Flag signifies that there is an additional safety hazard on the racetrack. When a yellow flag comes out, the entire track will be put on yellow. Snowmobiles will form a single line. No racing. Starting Line - The yellow flag signifies caution. After the yellow flag is displayed, competitors must slow down, hold positions and do not pass until the green flag is again displayed or the red flag is given automatically stopping the race. All laps under the yellow flag will be scored as part of the race. All snowmobiles entering the track during yellow must blend into traffic at nearest opening. Under no circumstances is passing permitted under the yellow flag. Team violating this rule will be subject to disqualification, fine and/or loss of laps. When the yellow flag is displayed, all snowmobiles will slow down to thirty five (35) mph.

RED FLAG

1. The red flag means the race will stop immediately regardless of position of snowmobiles on the track. The red flag will be used if, in the opinion of the Race Director or Chief Starter, the track is unsafe to continue the race. Snowmobiles should be brought to the starting line if possible, using extreme caution. Snowmobiles must not leave the track proper unless directed to do so by the Race Director. (Enduro) While the red flag is displayed, no work or refueling allowed on snowmobiles including those in the pits. Drivers are not to receive assistance of any kind. (SnowCross) Upon seeing the red flag drivers are to stop and then proceed with caution to the starting area.
2. Normal pit activity resumes after the field

begins moving in preparation for restart.

BLACK FLAG

1. On closed course races, should a vital snowmobile component such as clutch guards, hoods, mud flaps, or ski become dislodged or discarded, the starter will display the black flag to the involved driver immediately. A rolled black flag is a warning to a driver that he/she may have an equipment failure or that he/she may have committed a driving infraction.
2. (Oval) Consultation flag-leave course immediately and report to the Race Director, (Snowcross) report to starter. This does not necessarily mean disqualification; however, failure to obey the black flag could result in disqualification, suspension or fine. The black flag will have a one (1) inch wide white border and a one (1) inch wide white cross through the center of the flag. On closed course races, should a vital snowmobile component such as clutch guards, hoods, mud flaps, or ski become dislodged or discarded, the starter must display the black flag to the involved driver immediately.
3. (Sno-Cross) During a race if a driver is shown a furred black flag the driver must Stop on the next lap at the start/finish line to consult with the flagman. Driver should stop on the inside of the track in a safe manner, close to the flagman. Driver may be allowed to re-enter the race at the discretion of the flagman.
4. (Enduro) Consultation flag - leave course immediately and report to the Race Director. Failure to obey the black flag after running two (2) laps under the black flag loss of laps will result.

WHITE FLAG

1. When displayed, drivers have started their last lap.
2. WHITE FLAG- (Oval) White Flag shall have a green two (2) inch border around it.

CHECKERED FLAG

1. When the checkered flag is displayed, it means the race is complete.

BLUE FLAG WITH YELLOW DIAGONAL

1. (Oval - Sno-Cross) For passing-flag will be displayed to snowmobiles being lapped.

SIGNAL LIGHT RULES

1. Sanctioning bodies, which employ signal lights, must inform competitors of their signal light protocol before the start of the event. When light signals are used instead of flags, all competitors must be made aware of signal light procedures prior to the race.
2. Competitors must obey signal lights.
3. The following signals apply to OVAL, ENDURO and other specified closed course races:
 - a. GREEN LIGHT-Start of race.
 - b. YELLOW LIGHT-Caution
 - c. RED LIGHT- Stop snowmobile. At the direction of the Race Director, return cautiously to the starting line.
4. The following signal lights apply to DRAG racing:
 - a. PRE-STAGE/STAGE-Flashing or non-flashing means stage snowmobiles, be

ready to race.

- b. YELLOW LIGHT-Staged and ready to race.
- c. GREEN LIGHT- Start of race
- d. RED LIGHT-Driver has left the line before green light.

TIMING

1. It is the driver's responsibility to see that his snowmobile triggers the scoring system properly.
2. Starting and finishing lights must be of a uniform height.

RACE STARTING PROCEDURES

1. All drivers must be assembled on the starting line, ready to race within two (2) minutes of notification of their race (except special events).
2. Another method may be: Pre-entry competitors will draw for start position in respective class first. Race day entries will draw for position behind pre-entry drivers at the time of sign-up.
3. Snowmobiles may be pushed to the starting line.
4. All participants (including crewmembers entering the start line area, are required to wear eye protection or safety glasses.
5. Snowmobiles must be placed on an approved stand for warm-up and/ or for clearing the track. See CLEANOUT/SAFETY STANDS in this chapter.
6. All snowmobiles on the starting line must have the track and both skis flat on the course surface, before starter begins the race.
7. All snowmobiles will be started from a standing position, in a line abreast (unless stated otherwise).
8. The driver's feet must be on the running boards or stirrups. The Race Director may disqualify a driver if the driver's method of start interferes with other contestants.

START

1. On a false start a racer will be penalized by the Chief Starter, Race Director or Flagman.
2. There shall be no change of drivers at any time without notification to the Race Director (except special events).
3. Events that take place under natural lighting will be terminated thirty (30) minutes after published sunset. This rule must be strictly enforced. Furthermore, this rule assumes that there are no other visibility issues other than sunset. If visibility is reduced beyond the prescribed limit by other factors, racing must be halted before the prescribed time.
4. Any conditions that reduce visibility (prior to 30 minutes after sunset) must be considered before continuing to race. Other conditions include (but not limited to) snow dust, ice dust, fog, haze, clouds, mist, falling snow, falling rain, and smoke.
5. It is the Race Director's responsibility to discontinue racing if the visibility falls below the prescribed level at any time during the day.
6. An injured or otherwise incapacitated driver or damaged snowmobile shall be prohibited from racing with exception that in the Race Director's judgement the driver

or snowmobile is determined not to be a danger to driver's self or any other competitor. The Race Director's decision is final.

RACE RESTART PROCEDURE

1. The Race Director may have a restart at his discretion. Race Director's decision is final.
2. In the event of an accident involving one (1) or more snowmobiles, the Tech Director may at his sole discretion rule said snowmobile(s) mechanically unsafe to participate in the restart. These snowmobile(s) must be fully safety inspected and approved by the Race/Tech Director before further competition will be permitted.
3. (Oval - Sno-Cross) All snowmobiles will be stopped under the red flag. The flagman will notify drivers when to move snowmobiles and he will have them proceed slowly to the point of restart. If only one (1) lap, or less, has been raced, the order of snowmobiles for the restart will be the same as the beginning of the race (with the following exceptions):
4. Any snowmobile causing the stop of a race and a subsequent restart will be placed to the rear of the restart sequence.
5. Any snowmobile unable to immediately return to the starting line will be placed to the rear of the restart sequence.
6. After more than one (1) lap has been raced, the restart position of the snowmobiles reverts to the last officially counted lap.
7. Snowmobiles will be restarted in a staggered line.
8. **With the Race Director's permission, only one (1) crewmember (per snowmobile) will be allowed on the track in the event the competitor cannot start his/her snowmobile alone. No mechanical work can be performed by the crew member. He may assist the driver in starting the sled, by pulling the recoil device/rope, controlling throttle, applying choke/enrichener, or alternate fuel delivery squirt bottle, removing the hood, securing hood, and tether switch, handing safety and personal equipment to driver.**
9. Drivers and snowmobiles must be on the starting line within two (2) minutes of restart notification.
10. **(Oval Sprint) Under Red Flag conditions up to 3 pit crew members per sled are allowed on track to add slide lube and perform engine and radiator cooling functions to the sled.**
11. **Upon be summoned to restart, all crew members shall leave the track surface except the designated crew member who assists in the engine starting procedure with the driver.**
12. (See #8 above)

LEAVING THE COURSE

1. Drivers should stay on the confines of the marked course. At the discretion of the Race Director, a driver may be disqualified for leaving the confines of the course.
2. (Oval - Sno-Cross - Cross Country) Drivers may not stop on the racecourse. If

mechanical problems or other factors require stopping, driver will comply with rules for the specific event as prescribed by the officials before the event.

CONTROL OF SNOWMOBILE DURING RACE

1. It is expressly forbidden to drive or push a snowmobile in a direction other than that of normal race traffic. A driver who has spun out is permitted to turn snowmobile around to continue the event provided such action is taken only when the course is clear.
2. (WaterCross) Loss of a buoy in oval classes may result in a disqualification for the heat or final being raced if the Flagman or Race Director determines that it has caused an unsafe condition.

BLOCKING AND FOOLISH DRIVING

1. The deliberate blocking of a faster snowmobile is cause for disqualification at the discretion of the Race Director.
2. Bumping or cutting of lanes is cause for penalty or disqualification at the discretion of the Race Director. Any dangerous or foolish driving, bumping crowding, chopping, cross jumping or unsportsmanlike conduct on the course, in the pit area, or anywhere else on the race grounds will subject contestant to disqualification at the discretion of the Race Director.

OBSTRUCTION

1. (Oval, Sno-Cross, Cross Country, Enduro) If for any reason a driver is forced to stop on or near the course during an event, it would be the driver's first duty to remove the snowmobile from the track so as not to endanger or obstruct other drivers.

RACE FINISH

1. The finish line will be clearly marked.
2. (Except for Speed Run) A driver whose snowmobile is disabled before driver reaches the finish line may be pushed or pulled by driver's own unaided muscular energy across the finish line and will be considered to have completed the race. A competitor is said to have finished the race when driver is in contact with the snowmobile and any part of the snowmobile crosses the finish line.
3. (Oval - Sno-Cross) All laps must be completed by first (1st) place snowmobile to declare a finish. All competitors will be given a finish position per number of laps completed. Any drivers that do not complete the checkered flag lap will be scored in order of finish and laps completed. Appropriate points and prize money will be awarded based upon published formulas.

SIGNALS

1. A driver who has spun off or stalled must raise both hands over driver's head to indicate that no more movement will be made until the field has passed and to indicate no injury.

DRIVERS BRIEFING

1. The mandatory meeting (or meetings) will

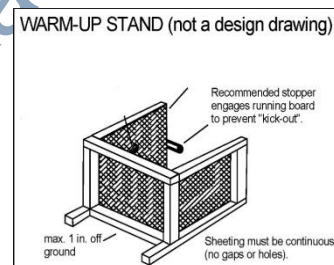
be held at an announced time and place. It will be conducted by the Race Director and Race Promoter. Descriptions of the course, flags, etc. will be made. An interpreter should be used when needed. Pins, stamps, tags, etc. may be used to check the identity of drivers at the briefing.

RADIOS

1. There will be no independent radio transmission on sanctioning body's radio frequency.
2. Unless otherwise stated, radio communication between crew and driver not allowed while driver is on the course. See specific sections for details.

CLEAN OUT / SAFETY STANDS

1. Snowmobile safety stands that catch and retain track, track lugs, traction components and other items that are thrown by a track are mandatory (see illustration).



2. The stand must be no more than six (6) inches from the rear of the tunnel opening and no more than twelve (12) inches from the track. The safety stand will be constructed of metal equivalent to 6061/T6 aluminum, 1/8 inch thick. Side panels are mandatory and they must extend at least to the center of the rear axle. Vertical coverage must be no more than one (1) inch off the ground/ice and as high as the snowmobile support device. Coverage must be continuous (no lightening holes). A plywood liner is recommended to help absorb impact. Safety stand must maintain sufficient height to prevent track coming into contact with ground/ice surface. The stand must be used whenever the rear of a snowmobile is raised to clean out the engine or track.
3. (Drag Racing) Clean out will only be allowed at specified backboards. The snowmobile must be placed on a safety stand and the safety stand must be against the clean-out backboard. Backboard minimum requirements are eight (8) feet tall, four (4) feet horizontal space for each snowmobile. Backboards must be sheeted with 3/4 inch plywood (no chipboard). Additional clean out boards may be placed in the paddock area.
4. No full throttle operation while snowmobile is on warm up stand (recommendation). (See Hillclimb for Hillclimb version of jackstand equipment specs/photo.)

MISUSE OF PIT PASSES

1. Improper usage of pit or paddock passes will be grounds for discipline.

FIRE EXTINGUISHER

1. Fire extinguishers must be available in pit, paddock/staging and starting line areas. Fire extinguisher minimum size will be five (5) pounds with ABC fire extinguishing capabilities. Fire extinguishers will be in place before the start of the race.

GENERAL SNOWMOBILE RULES

These GENERAL RULES apply to all snowmobiles in competition unless so noted. All participants, racers and crewmembers are required to be fully aware of these regulations and must abide by them.

Participants are solely responsible for the condition of their snowmobiles and their competence to operate them.

Where the rules permit or require components or equipment to be installed, replaced, altered, modified or fabricated, it is the sole responsibility of the driver to select components, materials and/or fabricate the same so that the components will perform safely in competition.

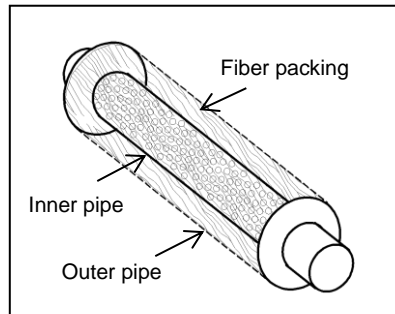
CLASS ELIGIBILITY & SNOWMOBILE ID

1. Unless otherwise specified in specific ISR rules, a snowmobile used in more than one class or division must comply with all rules and safety guidelines for each class or division in which it competes.
2. In stock and stock-based classes, the chassis and engine must have been originally OEM assembled and serial numbered indicating that the snowmobile is a stock qualified unit from the production run of a stock qualified model.
3. All snowmobiles in Modified and Open classes must have serial numbers permanently affixed to the engine and the frame. Duplication of serial numbers is not allowed.
4. If the tunnel, engine or other serial numbered part is replaced, the serial number must be removed from the replaced part and affixed to the new part.

ENGINE

1. ISR and/or the Race Rules Committees will approve the validity of all engine intake systems.
2. In stock and stock-based classes, the engine must have originated from a stock qualified, OEM produced snowmobile.
3. In stock and stock-based classes, coolant thermostats, regardless of location in the cooling system, may be ran as produced, changed to alternate temperature settings, or completely removed. If removed a control plate/washer to control volume of flow may be installed in its place. This plate shall serve no other function than restricting the flow of coolant.

4. In Stock classes, the OEM for the model exhaust system must remain as produced by the manufacturer and must be fully functional.
5. In modified drag racing and some other types of racing, the following minimum standards for straight-thru silencers are required:
 - a. Inner pipe must have at least 15 holes per square inch. Minimum hole size 1/16 in. (Minimum 3/8 in. sound absorbing material around the entire circumference of inner pipe).
 - b. Inner pipe (perforated core) must contact sound absorbing material (fiber or steel wool packing).
 - c. Outer pipe must be at least 3/4 in. larger than inner pipe.
 - d. Minimum silencer length 3 in.



6. OEM carburetor slide valves and replacement jet components without modification will be allowed in all Stock classes. No modification to carburetor body will be allowed.
7. An adequate return spring on the throttle is required. The throttle must be a direct mechanical thumb mechanism, which must be located on the rear side (toward the rear of the snowmobile) of the right-hand handlebar. Throttle must be thumb operated. Twist grip throttles not allowed. **Water Cross exception: Any hand operated throttle positioned on the right hand side handle bar allowed. No twist grips allowed.**
8. No pressure charging allowed unless specified.
9. All Stock classes - Choke control devices may be disconnected; however, they may not be removed from their mounting location.
10. When superchargers are allowed, a supercharger restraint system, including a flexible blanket shield, is required to prevent superchargers from being blown free of the engine.

DRIVE

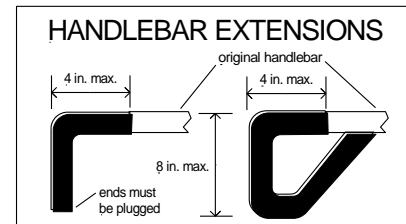
1. Brakes shall be operative at all times. Brake lever must remain on the left, front side of handlebar.
2. The master cylinder, caliper and disk assembly must be commercially available.
3. Additional brake assemblies may be added. If the secondary brake is on the track drive shaft, the disk may be smaller than 7". Brake disk in any other location must be a minimum of seven (7) inches in

diameter. Track drive shaft may be lengthened to accommodate additional brakes.

4. In Modified and Open classes, anytime the brake assembly has been modified or relocated, the brake disk must be covered with a shield capable of retaining an accidental explosion.
5. The disk pad contact surface area may not be reduced more than 15% of the original pad contact surface area.
6. Chains, pulleys and exposed moving parts will be isolated from the driver and other competitors by shields capable of retaining all accidental explosions and component impacts. Integrity of protective shields shall be at the Race and/or Tech Director's discretion. No holes may be drilled in protective shields.
7. Unless otherwise specified, stock class belt guards are acceptable in Stock classes only.
8. Secondary clutch windage plates may be removed in all classes. Windage plates may not be added in Stock based classes unless OEM for the model.

SKI SUSPENSION AND STEERING

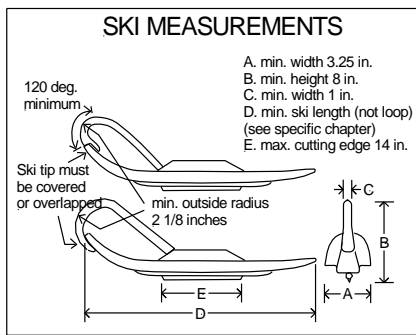
1. Handlebar extensions are allowed in some classes in some forms of racing. They must conform to the illustration below.



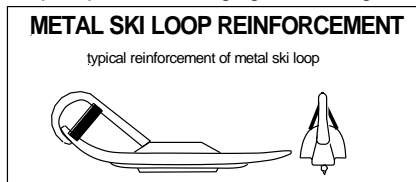
2. All handlebar ends must be plugged.
3. Only steel suspension springs allowed unless otherwise specified.
4. At safety inspection, ski suspension travel will be measured vertically at the front bumper.

SKIS & SKI RUNNERS

1. Except where otherwise specified, one cutting edge (steering edge) allowed per ski on snowmobiles with independent front suspension. Any ski edge with over 1/2 inch turndown constitutes a cutting edge. Hillclimb only: Ski's with over 1/2 inch turn down on any edge will be allowed. Multiple turn downs allowed.
2. A maximum of fourteen (14) inches total length of carbide per ski is allowed (unless otherwise specified in specific chapters).
3. All ski loops must be at least one (1) inch wide and 5/8 inch thick or 1 inch diameter round material. The arc of the leading edge of the ski loop must have an outside radius of at least 2 1/8 inches and extend at least 120 degrees upward (see illustration). Plastic ski loops must be affixed with steel bolts.



4. The ski loop must overlap the end of the ski and secure to the under side or it must cover the leading edge of the ski entirely. (See Hillclimb specific rules for Hillclimb exemption.)
5. Metal ski loops must be affixed with steel bolts and not welded (Oval-minimum two fasteners).
6. Metal ski loops must have adequate lateral or vertical support bracing to prevent ski tip loops from dislodging or breaking off.



7. Beam breaker surface for electronic timing must be confined within the ski loop (unpolished, flat black).
8. (Oval, Enduro, Ice Lemans, Sno-Cross, Drag) Ski tip (not including the loop) must be turned up 1.5 inch from the bottom of the ski (not including the keel(s) or ski runner).
9. No part of the ski may contact the body or suspension through the ski's normal range of travel and/or movement.

TRACK SUSPENSION

1. Any OEM type slide rail hyfax may be used as a replacement.
2. Slide rail hyfax can be drilled in all classes.
3. Where allowed in these rules and by local environmental laws, slide rail lubrication systems may be used. No lubrication medium will be allowed that hampers competitor's visibility. No toxic solutions may be used.
4. (Hillclimb Cross Country - Sno-Cross - Drag) Slide rail lubrication systems are not allowed. Slide rail inserts may be added.
5. Only steel suspension springs allowed unless otherwise specified.
6. At safety inspection, track suspension travel will be measured vertically at the rear bumper.

TRACK & TRACTION

1. Track dimension rules are specified in each chapter. A 1/8 inch maximum variance in the minimum track width requirement is allowed. No cutting, notching or trimming of the track is allowed, except as noted in specific sections.
2. Unless otherwise indicated, the track must be centered on the centerline of the tunnel in all modified classes. Modified classes

are allowed track offset for installation of brake assembly on front driveshaft. In no case may this offset be more than 2 (two) inches, determined from edge of track to inner edge (side) of tunnel. In Stock and Stock-based classes, the track location must be as produced unless otherwise specified.

3. In all forms and classes of racing, track clips and guide clips may be replaced when worn - guide clips may be removed and replaced with track clips - track clips may be removed and replaced with guide clips - the track must retain the original number of clips with which it was produced.
4. In all forms of racing, there are traction device limitations, see specific chapters for details (see Appendix for traction device measurement details).
5. Identification numbers affixed or molded into tracks by the molder of the track must remain completely visible and unmodified. No traction device or other item may be installed over the identification numbers on the track. Identification numbers include model number, serial number and/or any other information applied to the track by the molder.
6. Tracks may not be reversed.

FRAME & BODY

1. A rear snow flap of sufficient material must be installed in a permanent manner and shall be held down (restrained from rearward movement) so as to restrain traction components, snow, mud, rocks and other material thrown from the track at all speeds. Recommended materials are 3/16 inch fiber reinforced rubber belting or 3/16 inch semi-rigid plastic such as HD polyethylene or UHMW polyethylene.
2. The snow flap must overlap the widest part of the rear tunnel opening by at least one inch on each side.
3. The rearward movement of the snow flap must be restrained with steel cable (or similar material) to the frame of the snowmobile. (Clarification: Exception, Hillclimb discipline sleds need not restrain the snowflap, but must meet all other snowflap dimension requirements.) The use of springs and/or elastic material for holding down and restraining snow flaps is not acceptable.
4. The snow flap must be in contact with the course surface when the rider is on the snowmobile. Violation of this rule results in mandatory expulsion from the class.
5. The snow flap on the twin track snowmobile must be reinforced to keep it in proper placement at racing speeds. Two (2) separate flaps may be used on twin track snowmobiles.
6. Material used in/as wheelie bars will not be considered a snow flap.
7. The maximum overall snowmobile width is 45 inches unless otherwise stated.
8. Except for Speed Runs and Hillclimb Modified and some Modified classes in drag racing, maximum snowmobile length is 120 inches.
9. Where specifically allowed, foot stirrups/foot pegs may be installed. Must be constructed of rigid materials.

10. All modified snowmobiles regardless of class or discipline will be equipped with an upholstered, padded seat minimum thickness one (1) inch, minimum length fifteen (15) inches. OEM seats may be cut down to the design needs of the builder, but must meet these minimum standards.
11. Unless otherwise stated, seats in Stock class must be OEM for the model. OEM seats have no requirements for fabric, padding, dimension, or coverage. If the seat meets manufacturers legal design criteria it is legal for any class, stock or modified.
12. Unless otherwise specified, tunnel protective strips may be added to underside of tunnel to protect the tunnel and cooling system from being damaged by traction products.
13. If a braking parachute is required, it must have been produced by a recognized manufacturer. Tech inspectors may observe the operation of the parachute and inspect for worn or frayed lines, ripped or dirty canopies and worn or ragged pilot chutes. Parachute cable housings must be mounted solidly to the frame or other suitable member; the use of quick pins for parachute mounting is prohibited. The parachute must be mounted in a manner that does not render it inoperative if the snowmobile should lose a track or part of the snowmobile (specifically, mounted above the snow flap and rear of the tunnel). The parachute controls will be mounted so they are accessible to the participant in a normal driving position and be tethered to the participant with a 1/8" thick nylon cord, a maximum of five (5) feet long. The cord may not hang in a manner that allows it to be caught in any rotating component.
14. Snowmobiles used in competition may be painted any color with the following exception: In Sno-cross, Cross Country, Ice Lemans, Enduro and Oval racing, the color orange may not be used.

ENCLOSED COCKPIT FRAME & BODY

1. A quick release seat belt/ shoulder harness (aircraft-type, automotive race type) is mandatory on all enclosed cockpit snowmobiles. All safety belts/shoulder harness installations must be mutually compatible (originally designed to be used with each other). Installations not allowed where the harness is sewn, fastened or where the safety belt is fed through the loops in the harness. For harness installations see illustration. Only those units that release all four (or five) attach points in one motion are allowed. Shoulder harnesses must be securely mounted to the frame, cross member, or suitable reinforced mounting, and installed to limit driver's body travel both upward and forward. Belts and shoulder straps must be 3 inch minimum width.
2. Quick release arm restraints are mandatory.
3. Under no circumstances are bolts to be inserted through belt webbing for mounting.

4. It is recommended that all belts and harnesses be covered with fireproof material.
5. An abrasion plate is mandatory on seat belts where they are wrapped around the frame and would be exposed to rubbing on the track or by a rotating component.
6. All enclosed cockpit snowmobiles must be equipped with a regulation on board fire extinguisher and must be manually controlled. The system must be halon 1301 or 1211 and mounted per manufacturer's specifications with the primary nozzle(s) directed to protect the participant while in the driving position. See OVAL OUTLAW rules for variations and exceptions.
7. Fuel tanks must have a pressure cap and be vented to the outside of the body or have built in check valve.
8. All roll cage structure must be designed to protect the participants from any angle, three hundred sixty (360) degrees. Flush grinding welds not permitted. It is recommended that all cage welds be gusseted. Must have a roll bar four (4) inches above drivers head (see illustration).
An approved Fire Retardant Suit, (fire suit) must be used and must be the final layer of clothing on the driver during competition. No other clothing may be
3. The tether cord will be securely fastened to the driver. No alligator clips allowed.
4. The tether switch will be securely mounted in a location on the snowmobile other than on the handlebars or steering column. Hillclimb only: The tether switch must be securely mounted to a structural component of the snowmobile and located in such a manner that it will not become detached from the snowmobile during accidents, or failed climbing attempts. In no way can the tether be fastened or restricted that would not allow it to function in case of need.
5. (Drags, Speed Run, Sno-cross) All snowmobiles must have a handlebar mounted button (on/off) kill switch on the right side within thumb reach (this is in addition to your tether switch).
6. Wet cell must be enclosed in a non-conductive battery box. Positive terminal must be shielded. Battery box must be securely held in place.
7. On snowmobiles with enclosed cockpits it is mandatory to have a functional kill switch that will terminate ignition if the snowmobile rolls over, this is in addition to the tether switch.
8. Unless otherwise specified, electric start parts including motor, solenoid, battery, battery bracket, wiring, and ring gear may be removed. No machining, cutting or grinding allowed for removal.



worn over the firesuit.

OUTLAW 600

1. **OUTLAW 600 is not considered a enclosed cockpit class vehicle.**
2. **All specific design and safety rules for Outlaw 600 are found in the class rule structure.**
3. **An approved Fire Retardant Suit, (fire suit) must be used and must be the final layer of clothing on the driver during competition. No other clothing may be worn over the fire suit.**

IGNITION & ELECTRICAL

1. All snowmobiles must be equipped with a tether switch that must be attached to the operator and be operable at all times. The switch must "kill" the engine by disconnecting the ignition system when the operator and the snowmobile become separated. It is the responsibility of the driver to make certain that the tether is attached to everyone who starts the engine or operates the snowmobile.
2. Maximum tether cord length will be 4 feet except where noted otherwise. Verification of tether cord length will be determined at tether cord's fully extended length.

snowmobiles during the race.

- e. Driver statements as to their fuel components will be binding and may be verified by various fuel tests. Drivers must allow officials to test their fuel at anytime.
- f. In Stock Drag Racing and all Youth Racing classes, commercially available gasoline that is reformulated with up to 10% ethanol is allowed.

FUEL TESTS

WARNING: Gasoline, lubricants, additives and fuel test reagents are all potentially hazardous materials. Anyone handling them should be aware of the hazards and act accordingly. Race Rules Committees and ISR establish these guidelines and recommended test procedures, but do not assume liability for injury or death caused by the handling of these materials.

Any or all of these tests may be employed. Test results may be confirmed from time to time using an infrared spectrometer.

IF ANY OF THESE FIELD TEST ARE FAILED BY A PARTICIPANT HE WILL BE DQ'ED FROM ALL CLASSES THAT HE PARTICIPATED IN FOR THAT DAY.

ELECTRICAL CONDUCTIVITY

1. CERIC NITRATE REAGENT TESTING
2. REAGENT D TEST FOR DIOXANE
3. WATER SOLUBILITY TESTING
4. ANY OTHER TEST APPROVED BY RACE RULES COMMITTEES

FUEL REGULATIONS

NOTICE: It is advisable for all competitors to have their fuel tested at the event, before competing.

1. A contestant appealing a fuel disqualification must bear the expense of the fuel analysis and handling.
2. Allowed gasoline and lubricants:
 - a. Only a commercially available pump gasoline that complies with these rules is allowed. (The term "pump gasoline" includes fuels dispensed from service station pumps and racing fuels that are commercially available in fuel cans and drums.) The gasoline may be mixed with petroleum, vegetable, or synthetic based lubricants. The use of oils, fuels (including gasohol), and additives that provide power-boosting characteristics are strictly forbidden.
 - b. Only motor fuel compounded of standard pump gasoline and an acceptable lubricant are allowed. Additives that produce power in excess of that produced by standard pump gasoline and petroleum base oil shall not be permitted. The list of unacceptable additives includes, but is not limited to, alcohol, nitrates, and other oxygen bearing compounds.
 - c. No competitor or driver's pit personnel shall possess power boosting additives or agents upon the race premises of the sanctioned event. Violations of this rule shall subject the violator to severe disciplinary procedure.
 - d. Aerosol cans of ether are allowed at sanctioned races for starting purposes. No driver will be allowed to carry such cans on their person or their

ENFORCEMENT, DISCIPLINE AND VIOLATIONS

All participants are subject to disciplinary action for violations of these rules in accordance with the sanctioning organization's bylaws. Penalties may include suspensions, fines, loss of points, disqualifications or any combination thereof. The nature of the penalty is determined by the gravity of the offense and its effect on the safety and good reputation of snowmobile racing. The violations hereinafter set forth are subject to the penalties noted.

EJECTION FROM RACE SITE

1. The Race Director has the right to eject any person(s) from the pit, paddock (staging area) or racetrack area.

CONDUCT OF PARTICIPANT (OFFICIALS, DRIVERS, CREWS, ETC.)

1. Participants are solely responsible for the condition of their snowmobiles and their competence to operate them.
2. No driver may, at any time, ride/drive in such a manner as to endanger life or limb of other riders, officials or the public.
3. Vulgarity, derogatory or offensive language will result in disciplinary action, ejection from race site and be subject to fines and penalties.

4. Any participant that threatens bodily harm or assaults any official, driver, crew, etc. will be subject to disciplinary action, ejection from race site and be subject to fines and penalties.
5. Clothing displaying vulgar language is not allowed.

DRIVER LIABILITY, RELEASE COVENANT NOT TO SUE

1. *The driver/pit crew, in filing an application to enter the event, elects to use the course of the event at driver's /pit crews own risk, and thereby releases the sanctioning organization together with their heirs, assigns, officers, representatives, agents, tech personal, employees, and members, sponsoring organization and owners of properties on which sanctioned events are to be held from all liability from injury to person, property and/or reputation from tech decisions that may be received by said entrant and from all claims of said injuries to the parties listed above growing out of, or caused by any construction or condition of the course over which the event is held and or piece of equipment that participant entered into competition.*
2. *Drivers/pit crew and other participants further acknowledge and fully understand that there may also be other risks that are not known or foreseeable at this time, and the above and released persons cannot control these risks, nor have the released persons judged the participants' skill level or ability prior to allowing the participants to participate and consequently is not in a position to guarantee the participants' personal health or safety during the programs, events or activities. DRIVER/PIT CREW KNOWINGLY AND VOLUNTARILY ASSUMES ALL SUCH RISKS, BOTH KNOWN AND UNKNOWN, ANTICIPATED AND UNANTICIPATED, EVEN IF ARISING FROM THE NEGLIGENCE OF THE RELEASED PERSONS OR OTHERS, AND THE PARTICIPANTS ASSUME FULL RESPONSIBILITY AND LIABILITY FOR THE PARTICIPANTS' PARTICIPATION.*
3. *In consideration of permission and as a requirement of participation in sanctioned events, drivers, pit crew and other participants hereby covenant and agree not to sue the sanctioning organization, or its heirs, assigns, officers, representatives, agents, employees, and members, sponsoring organization and owners of*

properties on which sanctioned events are to be held, and further agree to fully release, indemnify and hold harmless those persons from any and all causes of action, demands, claims, and loss of injury to person or property or damages, of any nature whatsoever, whether the participation is supervised, unsupervised, however the injury is caused, including, but not limited to the negligence of any released persons.

DRIVER RESPONSIBILITY

1. The driver has the responsibility for the actions of his crew. It is the driver's responsibility to see that all crewmembers are aware and abide by all rules and guidelines.
2. The condition of a snowmobile is the responsibility of the driver. A driver may be disciplined if driver's snowmobile is modified so as to defraud the officials or other competitors.

FRAUD, BRIBERY & ILLEGAL ASSISTANCE

1. In addition to non-compliance with any of the above regulations or rules, the following offenses shall be considered a breach of regulations subject to disqualification.
 - a. Bribing or attempting to bribe anyone connected with the race or accepting or offering to accept a bribe.
 - b. Competitor accepting any kind of assistance that aids in snowmobile operation during the race.
 - c. Any fraudulent proceedings or act of prejudicing the interest of the race generally.

INTOXICATING BEVERAGES & DRUGS

1. Drinking of intoxicating beverages is strictly forbidden by any participant. Anyone showing evidence of having used an intoxicating beverage must leave the premises (specifically pit, paddock (staging area), warm up area, tear down and race track) immediately and be subject to disciplinary action by the disciplinary committee. This shall be in effect through the final inspection of snowmobiles.
2. Possession or use of illegal drugs or drug substances, as defined below, is prohibited in any form, by any participant, on the race facility, or in any area considered to be used in the operation of the race facility, such as parking lots or leased properties.
3. Illegal drugs are these substances defined and prohibited by state/provincial and/or federal law.
4. Any person found to be in possession or under the influence of an illegal drug or drug substance on race facility property, as defined above, or any person who is arrested by duly constituted authorities and charged with possession and/or use of illegal drugs or drug substance or any person who is formally charged by a court of law with illegal drug violations, shall be subject to suspension from competition and eviction from the race facility, and

denial of further entry to the race facility for a period determined by the disciplinary committee.

5. Any participant who is formally charged by a court of law with an illegal drug violation, upon notification to the ISR Advisory Board, shall be suspended from all forms of participation at any ISR event until such time as the charges are fully adjudicated through the legal process. Any conviction of a formal drug charge by such will be prohibited from taking part in any ISR or affiliated event for a minimum period of three (3) years from date of conviction.
6. Any participant suspended for violation of these rules may be granted an appeal hearing by a board of officials designated by the ISR Advisory Board, provided the suspended participant requests such hearing in writing, within fourteen (14) calendar days of the date of suspension. It is the responsibility of the suspended party to make such a request if a hearing is desired.
7. The cost of convening the board of officials will be borne by the participant prior to the convening of the board.
8. A participant suspended for violation of these rules, EXCEPT IN THE CASE OF PERSONS CHARGED WITH SELLING DRUGS, may, as the result of a decision reached through the hearing process detailed above, be reinstated, if it is mutually agreed that the participant (at his own expense) will produce documentation from a physician licensed within the state or province, certifying that he or she is drug independent, as a result of random and periodical examinations and urinalysis testing made at the request of the ISR Advisory Board.
9. If a participant is using prescription drugs on advice of a physician, such use must be reported to the Race Director prior to the participant's entry into any ISR activities. Failure to notify will subject the participant to penalties as prescribed above.
10. A participant is any person taking part in any event sanctioned by or affiliated with International Snowmobile Racing, Inc., in any form, including but not restricted to drivers, snowmobile owners, mechanics, crew members, sponsors, track officials, pit area personnel, manufacturers and press representatives. All such persons shall be considered public figures that have by their own choice become involved in the snowmobile racing events, with the full understanding that he or she must abide by the rules and regulations established and published by ISR. All participants are considered to be responsible for their personal conduct.

RACE DIRECTOR AUTHORITY

or performance enhancing items.

- A. \$100.00 first offense
- B. \$250.00 second offense
- C. \$500 third offense.

1. The Race Director and Technical Director will be certified by the sanctioning organization.
2. The Race Director shall be responsible for the conduct of the race. He shall have the right to make the final determination concerning all aspects of the race and the race facility, including design (these rules and regulations notwithstanding).
3. He shall have the voice of authority to discipline the participants for violation of the rules. Such discipline will be limited to disqualification of a participant and/or exclusion from an event.
4. Official race results shall be approved by the assigned Race Director and a signed copy will be returned to the promoter for announcement and distribution.
5. Race Director may not have vested interest in the outcome of an event over which he/she officiates. He/she may not officiate over a class in which he/she has a vested interest.
6. Race Directors may compete in events other than those in which they officiate.
7. The Race Director may cancel any race or the complete event for reasons of safety regarding competitors or spectators, and in such case shall determine the awards, if any. The Race Director may shorten the race for any reasons of safety but must give drivers adequate notice in advance.
8. A Race Director may judge the mechanical integrity of all timing equipment.
9. Only Drivers (no other participants) will have discussions with the Race Director about protests, and driving complaints, etc., and may approach the Director before the day's events, after an event, or at the direction of the Race Director.
10. The Race Director has the authority to judge the racing abilities of competitors and take appropriate action to insure the safety of the event.
11. The Race/Tech director shall have the authority to determine structural integrity.
12. The Technical Director shall carry and be responsible for the official specifications and certain instruments for measurements concerning verification and control of contestants' snowmobiles. The Technical Director may not officiate over a class in which he has a vested interest.
13. Technical equipment and specifications will not be used for any purpose other than the conduct of the sanctioned event.
14. Decisions of the Race/Tech Director may be reviewed by the board of the sanctioning body.
15. Decisions made at an event shall not be overturned without a formal appeal. Notice of the appeal process shall be given and a suitable time period for all parties to prepare must be allowed.

NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THE RULES AND REGULATIONS IN THIS PUBLICATION. THEY ARE INTENDED AS A GUIDE FOR THE CONDUCT OF THE SPORT, AND ARE IN NO WAY A GUARANTEE AGAINST INJURY OR DEATH TO SPECTATORS OR PARTICIPANTS.

FINES AND PENALTIES

HILLCLIMB ONLY

1. The race director or Technical director may impose a fine instead of disqualification for rules infractions that are not safety related,

SNO-CROSS COMPETITION

The intent of these classes is to establish races in which all can compete at their level of personal and equipment ability. The class structure is organized in such a way as to enable as many snowmobiles as possible a place to successfully compete.

If class rules are not followed, the class name shall not be used and the class shall be run as a specialty class with ISR's prior approval.

Competitors must be 18 years of age to compete in senior classes. (For Junior information, see JUNIOR COMPETITION section.)

NATURAL TERRAIN SANCTIONS

A natural terrain Sno-Cross event is run on a closed course of no more than one mile per lap. The course can be on land or lake ice surface covered with snow and include a series of turns, bumps and jumps. The course shall be designed to challenge driver skill and snowmobile maneuverability within the established safety guidelines. (See course diagram in the Appendix.) Course design, length and width may vary, but must be approved by the Race Director.

SNO-CROSS RACE DIVISIONS

Pro Open
Pro-Lite
Sport

PRO DIVISION CLASSES

SS 600	Stock up to 600cc liquid 2-stroke
SS 600 Women	Stock up to 600cc liquid 2-stroke
SS 600 Masters	Stock up to 600cc liquid 2-stroke
Pro Open	Up to 600cc liquid 2-stroke or approved four stroke.

PRO LITE DIVISION CLASSES

Pro Lite SS 600	Stock up to 600cc liquid 2-stroke

FOUR STROKE DIVISION CLASSES

CLASS	CC	EFI/CARB	EXH
1200	1200	OEM	OEM

SPORT DIVISION CLASSES

Sport SS 600	Stock up to 600cc liquid 2-stroke
Women's	Stock up to 600cc liquid 2-stroke
Masters 600	Minimum age is at the discretion of the circuit

SPECIAL SANCTIONS

1. Can be any Sno-Cross event or class that does not fall under natural terrain sanctions and/or any of the specified divisions or classes, but meets established safety standards, applicable laws and/or approved insurance coverage.
2. All special sanctions and specialty classes must be approved in writing by ISR before competition.
3. ISR will not sanction or approve any class that features two-stroke snowmobile engines with displacement over 600 cc
See Trail Stock Specialty Class notice.

SPECIALITY CLASSES

PRO
Women's Pro 600 Stock
Women's Semi Pro 600 Stock
Women's Sport 600 Stock
Master's Sport 600 Stock
Non-Traction / Trail

FOUR-STROKE ENGINES

1. IN ORDER TO BE ELIGIBLE FOR COMPETITION, A FOUR-STROKE POWERED SNOWMOBILE MUST BE CLASSIFIED THROUGH THE ISR FOUR-STROKE CLASSIFICATION PROCEDURE.

NOTE: See Stock class and Open class rules for 4-stroke limitations.

NOTE: 07 thru 2013 Yamaha Phazer (499cc Liquid-cooled) are classified into 440cc Liquid-cooled classes.

ENTRY LIMITATIONS

1. Drivers may enter in more than one division. Driver movement between the following driver divisions during the event is allowed: Sport, Pro Lite and Pro. Drivers may enter two consecutive divisions.
2. Points for all events will be regulated by the regional competition or sanction committee.
3. Points will be tabulated in the region that they are awarded. Points are non-transferable between regions. Driver must be a member of the region to receive high point awards.

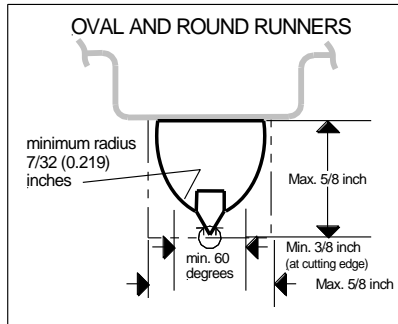
GENERAL COMPETITION AND SAFETY REGULATIONS

1. Race Director will determine the number of competitors that can be safely on the course at one time.
2. PASSING - A driver must always be prepared for another snowmobile to pass and must therefore be on the lookout for other snowmobiles approaching from behind. Drivers will not hinder or obstruct an overtaking vehicle. A slower driver is to move over for the passing snowmobile.
3. A yellow flag indicates an accident or other incident that may include obstruction of the racetrack.
 - a. Yellow flag zone is that portion of the track from the first yellow flag to a point past the entire incident.
 - b. Drivers must slow down and observe caution while in the yellow flag zone.
 - c. No passing allowed in a yellow flag zone.
 - d. No jumping or leaving the ground in a yellow controlled area is allowed.
 - e. Racing may be resumed after leaving the yellow flag zone.
4. DRIVERS RESPONSIBILITY - It is the driver's responsibility to inform the nearest race official of any injured drivers on the race course.
5. All animals at the race site must be leashed.
6. Drivers and crews are required to conform to sponsorship agreements as long as driver's number system is not compromised. Recommended size for any sponsor's emblem should not exceed sixteen (16) square inches on the front or twenty four (24) square inches on the back of the driver's uniform.
7. It is highly recommended that trackside officials, press and observers wear upper body protection and helmets.
8. It is highly recommended that the red flag be displayed and the race stopped when the medical staff is on the track or in unsafe proximity of the track.
9. Radio communication between crew and driver not allowed. Individual circuits may allow radio communication to Pro drivers only. Race- Ceiver and similar one way communication may be utilized at the discretion of the affiliate.

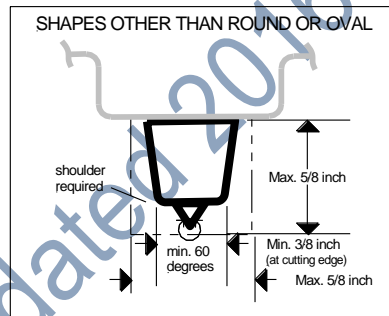
REGISTRATION-ENTRY REGULATIONS

1. All entry fees must be paid in full before driver can practice or race.
2. Any class event can be eliminated when there are less than two (2) official entries at the close of registration.
 1. Entry fees will be regulated on a regional basis.
 2. Payback - Payback in Sport classes is limited to trophies only. Payback in all other classes will be regulated on a regional basis.

3. Drivers may be assessed a late registration fee.
4. The driver's number shall be displayed on both sides of the snowmobile in 6 to 8 inch high, black numbers on a white background. (Suggested on the front portion of hood or windshield)
8. Host bar may be any shape that conforms to rules. Except for cutting edge and groove for affixing cutting material, all edges must have a minimum radius or 45° chamfer of 1/16 inch (see illustration).



9. Shape of host bar and cutting edge must limit penetration to 3/16 inch. Shoulder required adjacent to cutting edge if host bar is not round or oval. Minimum radius of round or oval host bar adjacent to cutting edge is 7/32 (0.219) inch.
10. Maximum height and width is 5/8 inch. Minimum width adjacent to cutting edge is 3/8 inch for host bar, which is not oval or round. Ski runner must fit within 5/8 inch square (see illustration).



11. Ski Turning Plates may be used but must fit inside the following guidelines.

- a. Plate can be no longer than 18"
- b. Plate can be no higher than 4"
- c. Plate may not extend past side of ski.
- d. Only UHMW material may be used.
- e. Must be commercially available.

f. All exposed edges must be relieved and have no sharp exposed edges.

12. ISR Rules Committee may determine compliance of a particular product or products introduced during the race season.
13. Maximum ski trimming (for the rear of the ski): From rear of ski, both sides can be trimmed to a maximum of 9 inches forward.

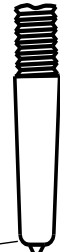
The rear of ski can be trimmed to a minimum of 1 inch in width. Rear tip corners should have a rounded radius. Ski material can be removed as long as it doesn't affect the overall length and width of the ski. Ski keel material can be removed to except ski runner.

TRACK & TRACTION

1. Maximum track lug height in all classes is 1.75 inches.
2. Regardless of track length or width, snowmobile is limited to ninety-six (96) sixty (60) degree unsharpened, unmodified single point picks/studs. Studs must conform to illustration below.

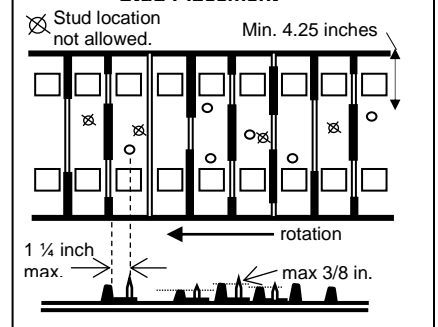
TRACK STUD RULES

1. Must be single point stud.
2. No sharpening allowed.
3. No modification allowed.
4. No machining allowed.
5. Must be commercially available.
6. Maximum 3/8 in. above nearest leading lug.
7. Shoulder required.
8. Minimum angle 60 deg.



3. Studs must be steel, with a carbide insert.
4. All components of the traction devices must be located in the center of the track between the inside edges of the two slide runners (hyfax) and a minimum of 3.75 inches from the edge of the track (4.25 inches from the outside of the stud itself).
5. Stud backing plate max. size: 2 inch wide X 2 3/4 inches long X 1 1/4 inch high, and not to exceed the height of the lug. Backing plates must be commercially available and must not be modified.
6. Stud backing plates may be horizontally, vertically, or obliquely shaped within the 21/4X2x11/4 dimensions.
7. Backing plates must be fastened to the track with a stud or a stud/nut assembly. No sharpening (vertically or horizontally, or obliquely) of the backing plate.

Stud Placement



8. All studs must be directly aligned with a "leading" rubber lug and no more than 11/4 inches behind the leading lug. The 3/8 inch

SNO-CROSS VIOLATIONS

1. Driver Infractions/Disqualifications in a Sno-Cross event will be forwarded to ISR.
3. DRIVER MAY BE DISQUALIFIED FOR:
 - a. Running without a hood or shroud in position.
 - b. Running with altered numbers.
 - c. Running with bibs not in position.
 - d. Receiving unauthorized assistance.
 - e. The driver or a group of drivers attempt to harass race officials, in any manner.
 - f. Course cutting.
 - g. Dangerous driving tactics.
- h. Failure to stop for Post Race Technical Inspection.
- i. Failure to use proper safety equipment.
- j. Unsafe operation in the pit area.
- k. Allowing non-registered drivers to operate driver's snowmobile on track during a practice lap or during race.
4. DRIVER MAY BE PENALIZED AT START OF RACE FOR THE FOLLOWING:
 - a. Jumping the start.
 - b. Causing a restart.

GENERAL SNOWMOBILE REQUIREMENTS

SKI SUSPENSION AND STEERING

1. Maximum ski stance is 43.5 inches measured under the spindle. Carbide runner must be centered on the ski board.

SKIS & SKI RUNNERS

1. Aftermarket skis allowed. Skis must be commercially available.
2. Minimum ski width is 3 1/2 inch. Main keel and ski runner (cutting edge) must be centered on ski board. Main keel maximum depth is 1 1/2 inch (without ski runner). Other keel(s) maximum depth is 5/8 inch. No sharp edges allowed on ski.
3. Skis may be reinforced on the topside only.
4. Skis and ski loops must conform to the ski rules in GENERAL RULES AND REGULATIONS section. Skis and ski loops must be intact at the start of each race. In the interest of safety, a driver may be black-flagged if a ski or ski loop is damaged in such a way as to cause a hazard. Ski loop leading edges not one (1) inch in width or not meeting the minimum radius rule must be padded.
5. Ski skins allowed.
6. Ski runner must be commercially available.
7. Only one cutting edge allowed. Minimum cutting angle is 60°. No grinding or modification of host bar or cutting edge allowed.

maximum penetration measurement will be taken off of the top of the leading lug. The two measurements are taken parallel to the edge of the track and parallel to the flat of the track.

9. The stud must be a minimum of 4.25 inches from the edge of the track measured parallel to the surface of the track and from the track edge to the outside edge of the stud shaft.

FRAME AND BODY

1. Dulled foot traction devices allowed on the running boards.
 - a. ON THE FLAT OF THE RUNNING BOARD - traction devices must be dulled and be no higher than 1/2 inch above the flat of the base of the traction device.
 - b. ON TOP OF THE ROLLED EDGE - traction devices must be dulled and be no higher than 1/4 inch above the top of the rolled edge of the running board.
- c. The traction device may extend a maximum of 1/4 inch beyond the side of the rolled edge for the purpose of mounting. There shall be no sharp edges to the side of the rolled edge.
2. Running board extensions are not allowed.
3. The rear snow flap must be in contact with the course surface when driver is seated.
4. The rear snow flap must be constructed of a semi-rigid material such as HD polyethylene or UHMW polyethylene.
5. The color orange is not allowed on snowmobiles in Sno-Cross racing.

IGNITION AND ELECTRICAL

1. **Lighting : Taillight must be operational at all times. Headlights not operational at the start of the event will be allowed to compete but must be repaired before the next heat/ final is entered. Light failure during a race is not grounds for disqualification.**
2. Data acquisition systems and data acquisition allowed.

SAFETY SWITCH

1. A functional and operational secondary safety shutoff switch (kill switch) that will terminate ignition is mandatory in all classes. The switch must be located on the right side of the handlebar. The switch may be either the "click-on, click-off" type or the spring-loaded, push and hold type.

TETHER SWITCH

1. Tether switch must be worn by operator any time the snowmobile is moving, whether on the race course or in the pit/paddock/parking area.
2. In the event of a driver/operator becoming dislodged from his snowmobile or a crash and the engine continues to run or the tether (safety disconnect) switch fails to function or is not properly fastened/attached to the driver/operator while the engine is running,

the driver will be disqualified from the heat in which the infraction occurred.

STOCK CLASS RULES

In stock and stock based classes, no change or modification is allowed unless specifically allowed by these rules. If these rules do not specifically allow a change or modification, then it must be assumed that the change or modification is not allowed.

GENERAL RULES

1. The snowmobile must have original OEM engine, hood, intake, exhaust, frame, suspension, hood, and drive. Named components must be OEM for the model and year, or properly filed OEM replacement parts that supersede the original OEM parts.
2. Super Stock 600 engine limitations for 2-stroke powered models.

Maximum displacement	600 cc
Number of cylinders	2
Maximum effective compression ratio	6.8:1 ± 0.2
Maximum carb size	40 mm
Maximum EFI size	See sub a. below

- a. Maximum carburetor bore: 40 mm.

Maximum EFI throttle body bore: 48 mm. (Revised 4-20-16 for the 2016-17 season and beyond.)

3. Super Stock 600 engine limitations for 4-stroke powered models.

Engine Layout:	In-line 3 cylinder without drive clutch gear reduction.
Minimum Stroke:	66mm
Maximum Displacement:	1050cc
Maximum carburetor bore	40mm
Maximum FI throttle body bore	44mm
Max. compression ratio	11.8 to 1

FOUR STROKE CLASSES

Naturally aspirated only.

Class	CC	Carb/EFI	Exh
Stock	1200 cc	OEM	OEM

FOUR STROKE ENGINES

1. In order to be eligible for competition, a four-stroke powered snowmobile must be classified through the ISR four-stroke

classification procedure for competition in a two stroke class.

ENGINE

1. All engines will have an OEM tag and/or serial numbers affixed to the engine.
2. No component of the engine may be altered changed or enlarged from the engine manufacturer's original stock specifications, nor may any additional components be added to the engine. Blueprinting is not allowed. No removal of material whatsoever will be allowed. This is to include polishing, port matching, deburring, glass or sand blasting surfaces or material removal for the purposes of engine balancing or other reasons.
3. Maximum cylinder overbore for wear or cylinder repair cannot exceed .020 inch (0.50mm).
4. Stock OEM for the model pistons only are allowed for replacement.
5. There will be no more than one cylinder base gasket to a cylinder. No changes in engine dimensions can be made by gasket adjustments.
6. Rotary valve timing/duration must remain as filed by the manufacturer.
7. OEM carburetor slide valves and replacement jet options are allowed without modification.
8. The throttle lever and throttle lever assembly may be modified or replaced. The OEM position on the right hand handlebar must be maintained and the throttle lever must be thumb operated with a direct mechanical mechanism to the engine.
9. An adequate return spring on the throttle is required.
10. Choke mounting location may be moved for driver comfort. Choke system may be disconnected.
11. No pressure charging allowed.
12. The engine air intake system is to include any: cowl vents, airbox, noise reducing foam (cowl vents & airbox), carb boots, carburetors, clamps, rotary valves, reed valves, carburetor flanges, and oil injection nozzles that are original OEM equipment for that make and model. No changes or modifications are allowed to any part of the engine air intake system or mounting locations.
13. Deep snow cover/foam must remain in place.
14. Engine must remain in OEM for the model mounting location. Engine mounts must be OEM for the model. No additional engine torque limiters (including torque stops, torque bumpers) allowed.
15. No pressurization of fuel tanks or lines allowed.
16. Fuel lines must be routed and protected to prevent damage from other components.
17. No additional engine cooling systems allowed.
18. If oil injection is OEM standard, oil injection system and all associated components must be installed in their OEM configuration, but

may be disconnected. Oil injection nozzles may be removed or plugged. Premixed oil and fuel may be used.

19. Spark plugs do not have to be OEM.
20. **The exhaust system is to include any, header flange or pipe, Y pipe, expansion chamber, pulse charger, muffler, and tail pipe that are original OEM equipment for that make and model. All Pro Lite sleds may use a commercially available aftermarket can/silencer. The main exhaust system must remain stock and unaltered. This includes Y pipe, expansion chamber, pulse charger. No alterations to these components are allowed to utilize a aftermarket can/silencer.**

DRIVE

1. Must have original OEM variable speed converters supplied by the manufacturer for that make and model. Named components must be OEM for the model and year, or properly filed OEM replacement parts that supersede the original OEM parts.
2. No machining or grinding of any kind allowed on clutches unless specifically stated.
3. Any springs, weights or ramps may be used. No clutch engagement RPM limit.
4. No machining on clutches to accommodate springs and weights.
5. In the primary clutch, metal may be removed but not added to ramps or flyweights.
6. Secondary clutch cams may be cut to any angle. Billet helixes allowed.
7. No overdrive machining.
8. Drive belts do not have to be OEM.
9. Chain case must be original OEM for the model equipment. Must remain in original mounting location. Chain tensioner may be changed to any OEM equipment.
10. Any drive chain and sprockets may be used.
11. Track drive axle and sprockets must be OEM for the model. Sprocket diameter may be trued round.
12. **Brakes systems may be changed or altered, but must be operational at all times. Brake components must be commercially available. Brake disc may not be relocated and must remain in stock as produced location. Liquid cooled systems allowed. Brake disk may not be modified in the pad contact areas. Brake disk hub may be modified for mounting. OEM diameter and thickness must be maintained. (Clarification) { Larger / thicker are acceptable, but not smaller / thinner. } The brake disk material may not be substituted with any other material. Aluminum and/or carbon brake disks are not allowed.**
13. The disk pad contact surface area may not be reduced more than 15% of the original pad contact surface area.
14. Brake control handle must remain in OEM location on the left, front side of the handlebar.
15. Existing vents may be used to direct cooling air to the brake components. Brake disk shall

not extend outside of the bodywork. Venting for the purpose of brake cooling is allowed.

16. An auxiliary brake cooling fan of up to 4" diameter is allowed. Properly constructed ducting, hose routing, and electrical wiring, to facilitate this installation will be determined by the technical inspector. Inspectors decision is final. All venting for brake cooling purposes must contain and direct airflow to the brake caliper and disc assembly only. Any specialized vents that allow outside cooling air beyond the brake system, or derive cooling air from the vent before it travels to the brake system is not allowed.

SKI SUSPENSION & STEERING

1. No substitution of material allowed on front suspension. Must remain in original mounting location in both bulkhead and spindle housing.
2. Swaybar may not be relocated. Swaybars must be OEM for the model, or other swaybar from another stock qualified model within the brand. Sway bar may be disconnected or removed. If disconnected and not removed, all remaining components must be secured so as not to endanger driver or other drivers.
3. Must maintain two (2) inches of remaining compression travel with driver on snowmobile.
4. Reinforcement of components is allowed by welding or bracing. Structural integrity must be maintained.
5. Spindles may not be shortened.
6. Any spring may be used on the suspension. May be shortened or heated. Springs may be removed and replaced with another type of cushion device.
7. Any shock allowed. Replacement may be shorter than OEM for the model shock, but may not be longer.
8. Handlebars must be intact at the start of each race day. Any commercially available (includes carbon fiber) handlebars allowed. May be altered to fit the driver. Open ends must be capped. Handlebars must be padded. Column or post must remain in its OEM position. Grips may be modified or replaced.
9. Commercially available handlebar risers, vibration mounts and relocation mounts allowed.

SKIS & SKI RUNNERS

1. Aftermarket skis allowed. Ski's must be commercially available. Ski, ski hoop, and ski runner must conform to General Rules and Regulations.
2. Skis may not be interchanged between brands.
3. May reinforce skis on the topside only.
4. Maximum ten (10) inch turning material per ski. Turning material must be continuous.
5. Ski skins allowed.

TRACK SUSPENSION

1. Suspension must be OEM for the make and model. Track suspension may be located anywhere in the tunnel where the manufacturer has drilled, partially drilled or

marked for mounting holes. No substitution of material allowed.

2. Reinforcement of components is allowed by welding or bracing. Structural integrity must be maintained.
3. Rails may not be bent or shortened.
4. Marginal snow wheels may be added or removed along with mounting brackets from an OEM wheel kit. Wheel diameters may be trued round.
5. Slide rail lubrication will not be allowed.
6. Any hyfax allowed.
7. Any shock allowed. Replacement may be shorter than OEM for the model shock, but may not be longer.
8. Any spring allowed. Springs may be removed and replaced with another type of cushion device.
9. Springs may be shortened or heated.

TRACK & TRACTION

1. The track must be OEM for the model.
2. Track must remain as manufactured by the molder of the track. No trimming or shaving of the track grouser bars, rubber studs/snow lugs will be allowed.
3. No cleats or partial cleats may be added.
4. Any commercially available guide/track clips may be used. No traction devices may be added to track clips.
5. Tracks may not be reversed.

FRAME & BODY

1. All chassis will have OEM tags and/or serial numbers affixed to the frame.
2. Reinforcing by welding and/or bracing is allowed.
3. Removal of any material from total snowmobile by means of heat, acid, drilling, grinding, sandblasting, peening, substitution, or total elimination is not allowed.
4. Access openings may be added for component removal or service but must be closed when on the course. Closures must be made of original type materials.
5. External vents/scoops must be OEM for the model. Vents may be covered or closed. No additional vents or scoops may be added.
6. Internal crankcase and/or brake cooling ducts must remain within the confines of the snowmobile and only use existing external vents.
7. Hood may not be removed.
8. Windshield must be OEM or equal to an OEM windshield in dimensions and mounted in OEM location as filed. Minimum stock windshield height must be maintained. Must have a safety edging. Windshield may be altered for handlebar movement. Must be intact at the start of each race day.
9. Seat must remain OEM for the model. Padding may be added or subtracted to improve driver comfort and safety. Minimum cushion thickness is five (5) inches, measured without weight on seat. Seat must remain in OEM for the model location. Must be upholstered.

10. Insulation may not be removed.
 11. Skid plates may be added for protection of snowmobile bottoms. Skid plates must be securely fastened.
 12. A cushion may be added directly under the engine. Must be affixed to the frame. No change in engine location allowed.
 13. Additional plate material may be added to the tunnel at the suspension mounting holes.
 14. It is highly recommended that the sides of the rear tunnel opening be enclosed with comparable tunnel material. The tunnel covering is required to keep a ski or driver's extremities from entering the tunnel area.
 15. Tunnel protective wear strips may be added, removed or altered. Liquid spray coating allowed.
 16. Front and rear bumpers may be added, removed or relocated. Bumpers must not be a safety hazard.
 17. Fuel tank must be OEM as supplied with the snowmobile or opaque (translucent) as supplied by the OEM manufacturer. The translucent tank must be of equal dimensions and capacity to that supplied by the original OEM manufacturer. OEM fuel tank is the only tank that can be used to supply fuel to the engine.
 18. Fuel lines must be routed and protected to prevent damage from other components.
4. Any four stroke engine meeting the above stated guidelines will be legal for competition without review.
 5. Any other four stroke engine configuration, may be approved, must be reviewed by the four stroke committee, before it will be allowed into competition.
 6. Snowmobiles must meet safety guidelines.
 7. All competing snowmobiles will be individually inspected by race officials for safety and structural integrity.
 8. **Minimum weight of snowmobile (as raced) is 430 pounds through the 2016-2017 race season.**

NOTICE:

Minimum weight will be reviewed annually.

9. Carbon fiber and titanium is prohibited in chassis, brake, track, suspension, clutch and drive system construction. This includes protective or decorative components, vents, scoops, inlets, baffles, ducts and guards.
10. Titanium parts/ carbon fiber parts used in the production of a stock qualified 600 SS model will be allowed to transfer to open sled construction, without modification, and must be the exact same production part. Future consideration for carbon fiber or other exotic material components may be presented at anytime by the manufacturer (snowmobile or aftermarket) and must be approved for competition before use will be allowed.

ENGINE**IGNITION & ELECTRICAL**

1. Ignition must be OEM for the year and model. CDI/ECU module may be reprogrammed. Fixed ignitions may be advanced or retarded a maximum of 4°.
2. No aftermarket device allowed which interrupts ignition or controls the brake system for the purpose of launch control or traction control unless OEM for the model.
3. Wiring may be removed.
4. Instrumentation may be added but must not provide a safety hazard. May be disconnected but not removed.
5. Head, tail and brake lights must be original OEM equipment. Must remain in original location, unless permitted by request to ISR from OEM.

PRO OPEN CLASS RULES**GENERAL RULES**

1. Maximum displacement 600cc for 2-stroke engines. 2-stroke engines must be from an ISR stock qualified 600 SS twin cylinder model.
2. This is a Open Chassis class.
3. The following limitations apply to 4-stroke engines.
 - a. Engine must be from a stock ISR qualified model.
 - b. Maximum displacement shall be 1050 cc
 - c. Engine layout shall be a inline 3 cylinder without drive clutch gear reduction.

1. A functionally silenced exhaust system is required.
2. Engine must conform to following guidelines
 - a. The snowmobile must have original OEM for the model carburetion/fuel injection
 - b. OEM carburetor slide valves and replacement jet options are allowed without modification.
 - c. No pressure charging.
 - d. Throttle body must remain OEM for the model.
 - e. Intake track (boots, clamps, flanges) are not allowed to be modified and must remain OEM for the model. Air box/plenum may be removed.
 - f. Reeds and reed blocks (reed cage) may not be modified or replaced. Must be production components.
 - g. Headers must remain OEM for the model. (Four stroke)
 - h. Lift and duration(retard or advance) of camshaft must remain OEM for the model. (Four Stroke) (See Exceptions 4. i)
3. Fuel lines must be routed and protected to prevent damage from other components.
4. Engine shall be considered to consist of the following components that may not be altered from stock.
 - a. crankcase
 - b. crankshaft
 - c. cylinders
 - d. pistons
 - e. ignition (may be remapped)

- f. The head is open to modification compression domes (cups), planning/milling of head, head gasket thickness changes. Billet head covers, or billet head forms, that contain removable cups/inserts, to alter compression will also be legal. The sparkplug must be in the original location as a production head, in reference to the combustion chamber.
- g. Four stroke engines are allowed to change pistons to alter compression ratio/increase compression.
- h. In four stroke application, the head is construed to mean the head casting/billet only. It does not include camshafts, valves, or valve train components.
- i. Specific four stroke engines may be allowed to be improved for equalization with other competitors will be allowed a cam shaft change. The replacement cam must be filed with ISR and a cam of the same specifications must be submitted to ISR. This cam will be used to verify the camshafts used in competition.
- j. Camshaft installation is open, as far as index, and valve lash are concerned.
- k. Specific ISR approved engines are allowed to use any header.

DRIVE

1. **The clutch guard cover must be separate from cowl configuration and cover clutches to center of bolt or below. Clutch covers must be .090 inch 6061T6 aluminum or equivalent steel material (other materials not allowed) and be covered with six (6) inch belting.** If clutch cover is constructed of .125 inch aluminum (or equivalent steel material), belting is recommended, not required.
2. On snowmobiles with stock qualified, OEM for the brand clutches that comply with the modification limitations in Stock class DRIVE rules, an OEM belt guard, without modification, may be used. The OEM belt guard mounting system must be maintained.
3. Titanium clutch springs, (drive and driven) will be allowed.
4. **Current OEM produced snowmobile clutches may not be reduced in overall weight by more than 5% of the filed clutch weight (without weights and springs). Any clutch not meeting this requirement must be submitted to ISR for review. Aftermarket clutches provided for this market, must be filed with ISR before being acceptable for use. If aftermarket clutches are used they must be used as produced by the individual manufacturer and not modified in any manner.**

SKI SUSPENSION & STEERING

1. Turning carbide length unlimited.
2. Titanium springs allowed, sway bars, and anti-sway bars are not considered springs.

TRACK SUSPENSION

1. Titanium suspension springs allowed.

TRACK & TRACTION

1. Track must be one piece molded and commercially available. Unless otherwise stated, track must be used as produced by the molder with no modifications.
2. No minimum track width.
3. No track holes larger than 7mm.
4. Traction lugs may be trimmed to within 1/4 inch of track rods and fabric. If any lugs in the center portion of the track are trimmed, no traction products allowed on the track. If outer band lugs are trimmed off at a 45 degree angle, track studs may be used according to traction rules.

IGNITION & ELECTRICAL

1. Taillight assembly must be from a stock qualified snowmobile. Taillight and brake light must be fully operational at the beginning of each race.
2. Any manufacturer may use one ignition coil per cylinder in place of a one coil per engine system. The additional coil is the only allowable modification to a production ignition system.
3. **No aftermarket device allowed which interrupts ignition or controls the brake system for the purpose of launch control or traction control unless OEM for the model.**
4. Wiring may be removed.
5. Tail light may be relocated.

NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND REGULATIONS. THEY ARE INTENDED AS A GUIDE FOR THE CONDUCT OF THE SPORT AND ARE IN NO WAY A GUARANTEE AGAINST INJURY OR DEATH TO SPECTATORS OR PARTICIPANTS.

ADULT CLASS STRUCTURE ENDS HERE.

SNOCROSS JUNIOR CLASSES FOLLOW FROM THIS POINT.

TRANSITION 8-12**SPECIAL NOTICE**

ALL SLEDS UTILIZED IN THIS CLASS MUST BE NON CURRENT, OR A MINIMUM OF (1) ONE MODEL YEAR OLD.

The rules committee may at any time during the racing season, review the restrictions of the designated models if a particular brand is dominating the class.

The following parameters must be adhered to:

1. This class is to be run as the only class on the racetrack. Designated sleds may be ran together.
2. The class is for drivers that are 8 years old and not yet 13 years old. (It is not open to younger or older drivers.)
3. The snowmobile models eligible must be designated by ISR and the Rules Committee.

Stock legal production 600 cc Super Stock race snowmobiles will be the format for Transition classes. These sleds will be developed with specific manufacturer based modifications and restrictions. The snowmobiles will be raced as produced with only the following changes.

1. This class will follow all the rules for the stock-based snow cross class.
2. Electronic control unit ECU will be reprogrammed with rev limit restrictions (rev limited to maximum 6000 RPM)
3. Restricted throttle kit not to allow more than 50% throttle opening has to be installed designated throttle kit part numbers will be supplied by brand.
4. The exhaust valves will be blocked in the shut position.
5. Primary clutch engagement will be 3500 Max RPM. (measured with secondary Sheave movement)
6. Rider, running board blocks can be used.
7. No studs are allowed in this class.
8. 1 3/4" tracks are legal for all sleds.
9. The sleds listed below are also approved to continue to run in the class following the stock – based snocross class rules and the limitations listed below.
10. Pre Heat "holeshot" function must be disabled

2010 -2014 Arctic Cat 500 Sno Pro with approved performance rev limiting kit. **Primary clutch engagement will be 4500 Max RPM. (measured with secondary Sheave movement)**

2014-2017 4000 Series with approved performance rev limiting kit. **Primary clutch engagement will be 4500 Max RPM. (measured with secondary Sheave movement)**

Ski-Doo MXZ 600 -Limited Division

Ski-Doo MXZ TNT- Limited Division

2010-2014 MXZ 600 (Non HO) Sport and 2010-2012 MXZ (Non HO) TNT with approved performance limiting kit

**JUNIOR NOVICE 10 -13
&
GIRLS ONLY JR NOVICE 9 -13**

SPECIAL NOTICE

ALL SLEDS UTILIZED IN THIS CLASS MUST BE NON CURRENT, OR A MINIMUM OF (1) ONE MODEL YEAR OLD.

The rules committee may at any time during the racing season, review the restrictions of the designated models if a particular brand is dominating the class.

Stock legal production 600 cc Super Stock race snowmobiles will be the format for Junior Novice classes. These sleds will be developed with specific manufacturer based modifications and restrictions. The snowmobiles will be raced as produced with only the following changes.

1. This class will follow all the rules for the stock-based snow cross class.
2. Electronic control unit ECU will be reprogrammed with rev limit restrictions (rev limited to maximum 6500 RPM)
3. Restricted throttle kit not to allow more than 50% throttle opening has to be installed designated throttle kit part numbers will be supplied by brand.
4. The exhaust valves will be blocked in the shut position.
5. Primary clutch engagement will be 4000 Max RPM. (measured with secondary Sheave movement)
6. Rider, running board blocks can be used.
7. Studs are allowed in this class.
8. 1 3/4" tracks are legal for all sleds.
9. The sleds listed below are also approved to continue to run in the class following the stock – based

snocross class rules and the limitations listed below.

10. Pre Heat "holeshot" function must be disabled

2010 -2014 Arctic Cat 500 Sno Pro with 50% throttle opening installed **Primary clutch engagement will be 5000 Max RPM. (measured with secondary Sheave movement)**

2014-2017 4000 Series with 50% throttle opening installed. **Primary clutch engagement will be 5000 Max RPM. (measured with secondary Sheave movement)**

Ski-Doo MXZ 600 -Limited Division

Ski-Doo MXZ TNT- Limited Division

2010-2014 MXZ 600 (Non HO) Sport and 2010-2012 MXZ (Non HO) TNT with approved performance limiting kit

Performance Kits for 2009 – 2017 ARCTIC CAT ZR 6000 R SX Junior 14-15 & 16-17:

Part # Description

1705-359 50% Throttle Block Kit including Calibration tool

Junior Novice 10-13 Rules

Part # Description

1705-359 50% Throttle Block Kit including Calibration tool

0708-664 Power valve Stop kit
CDI box must be re-programed to limit Max Engine RPM to 6500 RPM's along with disabling the "HOT START" Function. Please ship CDI box to Arctic Cat Race Dept. 17442 US HWY 59 NE, Thief River Falls, MN 56701 Please include prepaid return Postage along with proper shipping address.

CLASS RULES: 50% throttle block, 4000 Max clutch engagement RPM (no clutch calibration parts included)
"HOT START" function must be disabled, Power valves must be positively locked in the closed position with a MAX of 6500 Engine RPM's.

Transition 8-12 Rules

Part # Description

1705-359 50% Throttle Block Kit including Calibration tool.

0708-664 Power Valve Stop Kit
CDI box must be re-programed to limit Max Engine RPM to 6000 RPM's along with disabling the "HOT START" Function. Please ship CDI box to Arctic Cat Race Dept. 17442 US HWY 59 NE, Thief River Falls, MN 56701 Please include prepaid return Postage along with proper shipping address.

CLASS RULES: 50% throttle block, 3500 Max clutch engagement RPM (no clutch calibration parts included)
"HOT START" function must be disabled, Power valves must be positively locked in the closed position with a MAX of 6000 Engine RPM's.

Performance Kits For 2010-2014 500 ARCTIC CAT Sno Pro & 2015-2017 ZR 4000 RR

Transition 8-12, 50% throttle and 6500 MAX Engine REV Limit

Part #: Description

0709-094 Includes Calibration Tool
ECU must be Re-programed for a 6500 MAX Engine RPM. Please ship CDI box to Arctic Cat Race Dept. 17442 US HWY 59 NE, Thief River Falls, MN 56701 Please include prepaid return Postage along with proper shipping address

Junior Novice 10-13, 50% Throttle Kit

Part #: Description

0709-094 Includes Calibration Tool

[To Down Load Arctic Cats Part # list Click Here](#)

Performance Kits For 2008 – 2017 SKI-DOO MXZx 600 R Junior 14-15 & 16-17:

Order Throttle Block and Calibration Tool

Part # Description

486010017 Calibration Tool, 2013 and older MXZx 600 RS

486014022 Calibration Tool, 2014 and newer MXZx 600 RS

486900170 50% Throttle Block

Junior Novice 10-13

Part # Description

486016023 Junior Novice 10-13, 2013 and older MXZx 600 RS
486016024 Junior Novice 10-13, 2014 – 2015 MXZx 600 RS
486016025 Junior Novice 10-13, 2017 MXZx 600 RS Kit
Contains: 6500 max RPM ECM, Preheat "holeshot" function disabled
50% Throttle block
RAVE block cap
Calibration tool
Clutch calibration parts
Misc. Hardware & Instructions
4000 Max clutch engagement RPM

Transition 8-12

Part # Description

486016020 Transition 8-12, 2013 and older MXZx 600 RS
486016021 Transition 8-12, 2014 - 2015 MXZx 600 RS
486016022 Transition 8-12, 2017 MXZx 600 RS
Kit Contains:
6000 max RPM ECM, Preheat "holeshot" function disabled
50% Throttle block
RAVE block cap
Calibration tool
Clutch calibration parts
Misc. Hardware & Instructions
3500 Max clutch engagement RPM

Performance kits for 2010 – 2017 MXZ 600 Sport & TNT (Non HO)

Kit Details Transition 8-12

Part #: 486014055

Kit Contains:
6200 max RPM ECM
50% Throttle block
RAVE block cap
Calibration tool
Misc. Hardware & Instructions

Kit Details Junior Novice 10-13

Part #: 486014058

Kit Contains:
50% Throttle block

RAVE block cap
Calibration tool
Misc. Hardware & Instructions

[To Down Load Ski-Doo Part # list Click Here](#)

2008-2016 POLARIS IQR 600

Junior 14-15 & 16-17

Part #	Description
Kit consists of:	
06162014	50% throttle block kit
	50% throttle asm & calibration tool

Junior Novice 10-13

Part #	Description
Kit consists of:	
06162016	Jr Novice restriction kit
	50% throttle asm & calibration tool
	Exhaust valve block cap
	Clutch weights/spring
	(4000 max engagement)
	CDI box reflash
	(6500 rpm limiter/no Dragon)
	Clutch weights/spring

Transition 8-12

Part #	Description
Kit consists of:	
06162017	Transition restriction kit
	50% throttle asm & calibration tool
	Exhaust valve block cap.
	Clutch weights/spring
	(3500 max engagement)
	CDI box reflash
	(6000 rpm limiter/no Dragon)

[To Down Load Polaris Part # list Click Here](#)

JUNIOR 14 - 15

1. **This class will follow all the rules for the stock-based snow cross class.**
2. **Restricted throttle kit not to allow more than 50% throttle opening has to be installed designated throttle kit part numbers will be supplied by brand.**

JUNIOR ADVANCEMENT

WHEN AN ISR COMPETITOR REACHES THE AGE OF 14 YEARS AND QUALIFIES FOR JUNIOR COMPETITION, HE/SHE MAY BE ADVANCED UP TO THE NEXT LEVEL, BUT

ONLY AFTER FULLFILLING ALL REQUIREMENTS BELOW:

AFFILIATE RESPONSIBILITIES

1. Before an affiliated sanctioning body may advance Junior drivers, it must have a bona fide junior program.
2. The affiliate's board/driver classification committee is responsible for verifying a Junior's driving ability.
3. Junior competitors shall be required to perform practice laps/runs from time to time to allow race officials to observe their progress in learning the handling skills required to advance.
4. Junior advancement is at the discretion of the driver's classification committee and can be reviewed at any time. The committee has the authority to advance, demote or deny advancement to any driver. The decisions of the classification committee are final.
5. The affiliate board/driver classification committee will not advance drivers until all DRIVER/PARENTAL RESPONSIBILITIES have been fulfilled and all completed and signed documents are on file.

DRIVER / PARENTAL RESPONSIBILITIES

1. A Junior competitor must compete in at least one entire event in a class before becoming eligible for advancement.
2. Before a Junior may advance to a senior class, he/she must meet the Junior advancement requirements established by the affiliates board/driver advancement committee.
3. He/she must petition the affiliate's board, in writing, requesting that he/she be allowed to advance.
4. The request for advancement must be accompanied by all new consent and release forms (as specified above).
5. The request must be approved in writing by the affiliate board to advance.
6. Before advancing to a Pro Division class, the Junior must be at least 16 years of age.
7. Parents may request for their child to stay in a lower class if they feel the driver needs more experience to develop track and driving skills.

4 STROKE / 120 CLASSES

The intent of these classes is to establish races in which all can compete at their level of personal and equipment ability. The class structure is organized in such a way as to enable as many snowmobiles as possible a place to successfully compete.

If class rules are not followed, the class name shall not be used and the class shall be run as a specialty class with ISR's prior approval.

Once rules are abridged, the sanction is no longer in effect.

All 120/4 Stroke classes are stock based classes. No change or modification is allowed unless specifically allowed by these rules. If these rules do not specifically allow a change or modification, then it must be assumed that the change or modification is not allowed.

ELIGIBLE DRIVERS

Stock 120: These are classes for 4-12 year old drivers.

Champ 120: These are classes for drivers aged 6-12. All other technical rules apply.

At times regional or national rules may apply, but in any case competitors will not be younger than 4 years of age.

ELIGIBLE SNOWMOBILES

Arctic Cat Z 120, Z 120 Sno Pro
Bombardier Mini Z
Polaris XCR 120
Yamaha SRX 120

SNOW CROSS DIVISIONS

Speed Limited Snow Cross
Snow Cross Stock
Improved
Champ 120

REGIONAL SPECIALTY CLASSES

Open 206

1. The 206 Local Option OPEN 206 class combines the rules for Champ
2. Chassis and Drive with a spec engine rule. All chassis rules are the same as Champ 120.

Specialty Classes

1. Can be any 120/4 racing event that does not fall under any of the specific circuits or classes, but meets established ISR safety standards and qualifies for ISR insurance coverage.
2. All specialty classes must be approved by ISR and the Race Rules Committee.

GENERAL COMPETITION AND SAFETY

1. In the event that a driver is off his/her sled after an accident involving two or more sleds, the race will be red flagged.
2. Driver entry into an event is open to any qualified individual. The sanctioning body has the authority to evaluate all drivers to determine their qualifications.
3. A driver must compete for a full year in Stock 120/4 Class or in Kitty Cat racing and be six years of age before competing in any of the other 120/4 classes.
4. In Champ classes, drivers must have at least one year experience in 120/4 classes and be at least 7 years old through 14 years old. Drivers who attain the age of 15 during the scheduled season may complete the season.
5. Drivers must not reach the age of 15 prior to published scheduled race season for the affiliate.
6. Both the owner and driver are responsible to ensure that their snowmobile and driver safety equipment conform to all of the rules for the class in which they have entered. The applicable rules are published in the chapter, in the GENERAL RULES AND REGULATIONS section and from time to time, in ISR bulletins. Any driver that does not meet the requirements listed will be subject to disqualification and forfeiture of any prizes or awards, plus eligibility for the next two (2) races.
7. **Two (2) laps are recommended in heats and five (5) laps in the final heats. Regional variations to lap counts allowed.**
8. For restarts, the Snowmobiles will be arranged in a staggered line at a 45° angle to the track starting from left and going to the right.
9. Mandatory tech inspection of first place sleds.
10. The Race Director and/or Tech Director have the authority to determine structural integrity.
11. While driver is on course no radio communication between driver and crew is allowed.

MANDATORY DRIVER SAFETY EQUIPMENT

1. Helmets, upper body protection, shin guards, and above the ankle boots are required in all classes.
2. Mouth guards are mandatory in Sno-Cross and any other race over uneven terrain. Mouth guards must

remain in place for the duration of the race.

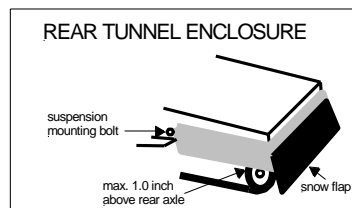
3. See GENERAL RULES AND REGULATIONS, DRIVER SAFETY EQUIPMENT for details.

ENTRY FEES, PRIZES AND AWARDS

1. Recommended entry fees in 120/4 Racing - \$15.00 in all classes.
2. Recommended awards – Trophies only (no prize money.)

GENERAL SNOWMOBILE RULES

1. (All classes in Sno-cross/ Grass Oval) No traction products allowed.
2. Guide clips and/or track clips may be added to the track.
3. Carbide ski runners allowed.
4. Left side of handlebar may be straightened. Structural integrity must be maintained.
5. An extension may be added to the left handlebar (see illustration.) Maximum 3 inches wider, maximum 4 inches down. End must be capped.
6. Any separate front bumpers that extend away from the body must be padded.
7. In all oval and Ice Lemans classes, the rear of the tunnel must be enclosed with material comparable in strength to 0.063 aluminum sheet. The tunnel enclosure is required to reduce the possibility of skis and driver's extremities entering the tunnel area. The shaded area (see illustration) must be enclosed. The enclosure shall cover the rear and both sides and extend forward. The bottom of the enclosure shall be no higher than one (1) inch above the center of the rear axle (with the driver in place.) The rear of the enclosure shall be no further than 2.5 inches from the rear of the track. (Not required in Sno-cross.)



8. Slide rail lubrication systems may be allowed, depending upon local, state, and/or federal laws and must utilize non-toxic and biodegradable lubricants.
9. Use of Heli-Coils are allowed in OEM location only.

10. In Stock and Improved Stock, snowmobile performance will be monitored and IKCR Rules Committee may adopt rules changes to insure fair competition among the various models.
11. All metal ski hoops must be padded.
12. On board slide rail lubrication systems allowed in all classes, depending upon local, state, and/or federal laws, lubrication must be non-toxic and biodegradable. Pulse line may be added to engine for slide lube pump purposes.
13. A tachometer may be installed.
14. Data acquisition and data acquisition systems allowed.
15. Taillight required.

STOCK CLASS RULES

GENERAL

1. The snowmobile must have original OEM for the model engine, hood, track, frame, seat, cowl, gas tank, carburetion, air-box, suspension and clutch supplied by the manufacturer for the particular model. Named components must be OEM for the model and year. Or properly filed OEM replacement parts that supersede the original OEM parts. Factory options are not allowed.
2. Engine RPM and vehicle speed may be monitored at the discretion of the Race Director.

ENGINE

1. Unless otherwise stipulated in this section, all governor linkage must be intact, in place and functional. Any governor spring may be used. Governor gear may be removed.
2. Replacing chain tensioner with commercially available aftermarket tensioner is allowed.
3. No component of the engine (included head, valves, and cam) may be altered, changed or enlarged from the engine manufacturer's original stock specifications nor may any additional components be added to the engine.
4. Maximum cylinder bore for wear or cylinder repair cannot exceed .020 inches (.50MM)
5. Stock OEM Pistons up .020 (.50MM) Only are allowed for replacement.
6. Blueprinting of engines is not allowed. No removal material whatsoever will be allowed. This is to include polishing, port matching, deburring, glass or sand blasting surfaces or material removal for the purpose of engine balancing or other reasons.
7. No changes in engine dimensions can be made by gasket adjustments.

8. Spark plugs do not necessarily have to be OEM stock. Sparkplugs may not be machined to seat deeper in the head, plug gaskets may not be altered, and plug indexing is not allowed.
9. No carburetor/air silencer changes allowed. Filter material may be added or removed.
10. Jetting changes are allowed.
11. Remote adjustable main jet system allowed.
12. Exhaust must be OEM as produced for the model. The OEM exhaust system must be used in its entirety. No internal or external modifications allowed. No welding allowed, even for repair. Muffler components and/or silencing material must be intact at all times.
13. In order to equalize performance between the manufacturer's models the following changes are allowed.

- a. Ski-Doo racers are allowed to change valve springs t Honda P/N 14751-ZE1-000
- b. Arctic Cat 120 racers are allowed to upgrade to the 120 SnoPro kit consisting of valve springs and cam. (spring number 129-21-90700). The kit must be used in its entirety.
- c. 2010 to current Arctic cat with Yamaha engines and Yamaha SRX 120 models are allowed to upgrade to the Yamaha/Arctic Cat performance kit consisting of camshaft, and valve springs, in conjunction with ISR Bulletin 12/13-009.

Valve Spring Criteria

	Valve Spring Dimensions		
	Wire Dia.	Coil ins dia.	Max. Free Lght
Ski Doo	.078+-.002	.650+-.002	35.00MM
A C 2009<	.090+-.002	.628+-.002	35.50MM
AC/2010	.078+-.002	.630+-.002	26.60MM
Polaris	.090+-.002	.652+-.002	30.50MM

B.

	Seated hgt.	Open hgt.	Seated press.	Open press.
Ski Doo	0.875	0.613	20 lb	25 lb
Arctic Cat	0.955	0.735	26 lb	35 lb
AC 2009<	0.574	0.574	20 lb	24 lb
AC 2010	0.678	0.678	15 lb	21 lb
Polaris	0.850	0.625	27 lb	38 lb

Accuracy of this test will be based on the tester used and the measuring tool used for checking heights.

14. Polaris part # 0681-545 valve guide may be used on Arctic Cat 120 models. Valve guide may be shortened to the valve guide specifications for the Suzuki engine only.

SPECIAL NOTICE

ENGINE REV LIMITERS will be imposed on all Stock and IMPROVED STOCK 120 class snowmobiles for the 2015-2016 Season in an effort to equalize performance levels between all brands.

To enhance the durability of the Honda GX120 engine used in production SkiDoo Mini 120 and Mini-Rev Snowmobile, a valve "rotator" Ski Doo part number H14781-ZE1-000 may be fitted on the intake valve.

DRIVE

1. Brake must be functional and operational at all times.
2. Clutch may be replaced with aftermarket clutch of the same basic centrifugal design.
3. Stock drive clutch engagement must be maintained.
4. No belt drives allowed.
5. Chain guard must be in place.
6. Sprocket ratio changes may be required by circuits in order to equalize performance between the various models.
7. 120 Sno X class Polaris gearing 420 ratio which is Stock for the sled. All Cat, Yam and Ski doo allowed to run 410 gear ratio. This can be achieved with #35 chain or #40/420 chain, tooth count on sprockets have to equal ratio required.
8. Chain tensioner may be replaced with commercially available aftermarket tensioner.
9. Number 40/420 Drive chains allowed.

ISR Stock Class Gearing Info for #35 chain and Sprockets

4.10 ratio for Arctic Cat, Yamaha and Skidoo 120 and 4.20 ratio on Polaris 120 can not be achieved with #35 chain sprocket combinations.

Listed our the only legal #35 chain sprockets combinations.

4.10 ratio will be 12- 50, 13-54, 14-58

4.20 ratio will be 12-51, 13-55

Or go to OEM chain

SKI SUSPENSION & STEERING

1. Front suspension must be OEM for the model.

2. Front suspension must remain in its stock location.
3. Ski widening devices are not allowed in Stock classes unless furnished as OEM and properly filed.
4. Suspension travel may be limited by means of tie down only. Suspension travel must be maintained. No rigid suspensions allowed.
5. Ski-Doo Mini z can modify the rubber front suspension puck's.

SKIS & SKI RUNNERS

1. Ski must be OEM for the model and year or a commercially available aftermarket ski with a minimum overall length of 20 inches.
2. Ski suspension components must be OEM.
3. Ski loops must be added. Minimum 1-inch wide, minimum 5/16 inch thick material must be used. Loop must have minimum diameter of 3 inches. (Non metallic loops only) Non Metallic is defined as: UHMW, Nylon, Acetal/Delrin type polymer materials only. If metallic loops are used refer to General Snowmobile rules sections for description and clarification.

TRACK SUSPENSION

1. The complete suspension must be used as furnished and filed by the manufacturer. No options allowed. Shocks must be OEM for the model. OEM for the model suspension mounting points must be used.
2. Seals may be removed from bearings in bogie wheels, rear idler wheels and/or rear idler sprockets.
3. Commercially available marginal snow wheels may be added t the slide rails. (Rear axle idler wheels must remain OEM for the model.)
4. Suspension travel may be limited by means of limit straps only. Suspension travel must be maintained.
5. No rigid suspensions allowed.
6. Sno-cross and other rough terrain races – Stock 120/4 stroke rules apply with the exception that commercially available OEM or aftermarket shocks and springs allowed.
7. If the unit did not come with a rear shock you are allowed a shock upgrade kit for the rear suspension

TRACK & TRACTION

1. Any commercially available molded rubber track may be used. Track must fit within frame and suspension without modification to frame, or suspension. Track drivers matching the pitch of the track may be used. Track must be used as

produced by the molder. Any hyfax allowed.

2. The OEM fixed upper carrier idlers may be reduced in dimension by 3/8 (.375) from the original for the model filed spec.
3. Track clips (guide clips) may added.

FOR TERRAIN, CROSS COUNTRY AND LEMANS RACING ONLY:

1. Specialized traction.
 - a. Maximum of two points per track segment.
 - b. No studs on outside belts.
 - c. Studs must be unsharpened insert carbine only.
 - d. Refer to Snow Cross traction rules for placement and type of stud.

IGNITION & ELECTRICAL

1. An ignition tether switch must be installed and functional.
2. Headlight and taillights must be OEM for the model.
3. OEM taillight must be operational /illuminated in its stock configuration.
4. An additional taillight must be illuminated as all times while on the racing surface.
5. Ignition and lighting systems must be OEM for the model. No modifications allowed.

FRAME & BODY

1. OEM hood must be maintained without modification. Hood may be painted any color except in Oval and Sno-cross, where orange on the snowmobile is not allowed.
2. Windshield may be removed, modified or replaced. Windshield must have safety trim.
3. All sharp edges must be padded.
4. Welding for repair will be allowed on the chassis. The repair must not alter the general design concept of the component or chassis.

IMPROVED STOCK RULES

GENERAL

1. Snowmobile must conform to Stock class rules unless stated otherwise in this section.

DRIVE

1. Gear ratio may be changed.
2. #35 chain may be used
3. Clutch may be replaced with aftermarket clutch of the same basic centrifugal design. (No variable ration

systems allowed.) Brake band may be changed to fit clutch.

CHAMP CLASS

GENERAL

1. Modifications allowed in other 120/4-stroke classes are allowed in Champ

ENGINE

1. Any OEM 120 engine allowed. Modification and/or replacement of parts is limited to items listed in this section.
2. Engine components allowed for modification or change from OEM.
 - a. Cam shaft – maximum .290 Inch Valve lift
 - b. Valves and seats, and guides.
 - c. Maximum intake valve diameter 25.2mm
 - d. Maximum exhaust valve diameter 24.2mm
 - e. Minimum valve stem diameter 5.5mm (+-.15mm)
 - f. Valve springs and retainers
 - g. Tappets and push rods
 - h. Governors may be removed.
 - i. Connecting rod.
 - j. Carburetor insulator block may be modified, but must maintain stock thickness dimension.
 - k. Rocker Arm Pivot Studs and pivots.

Engine overbore may not exceed .020" (0.50mm) of standard bore size for the model.

3. Engine stroke must be stock as manufacturers filed specifications.
4. Engine components allowed to be modified but must begin as OEM for engine model.
 - a. Bearings
 - b. Crankshaft
 - c. Piston and rings
 - d. Gaskets
 - e. Cylinder head And intake manifold
 - f. Cylinder
 - g. Crankcase
 - h. Rocker arms
 - i. Intake Manifold
 - j. Fan Shroud
 - k. Carburetor insulator block may be modified, but must maintain stock thickness dimension.
 - l. Rocker Arm Stud
5. Carburetor may be bored and modified, but must begin as OEM supplied for the engine's model. A velocity Stack may be added to the intake side of carburetor.

6. A snowmobile type diaphragm fuel pump may be added. A pulse fitting may be added to the intake tract to be used to operate the diaphragm fuel pump.
7. The exhaust system may be modified or replaced. The exhaust system must be functionally silenced. The following minimum standards for straight-thru silencers are required:
 - a. Inner pipe must have at least 15 holes per square inch. Minimum hole size 1/6 in. (Minimum 3/8 in. sound absorbing material around the entire circumference of inner pipe).
 - b. Inner pipe (perforated core) must contact sound absorbing material (fiber or steel wool packing).
 - c. Outer pipe must be at least 3/4 inch larger than inner pipe.
 - d. Minimum silencer length 3 inches.
8. Outlet pipe must point downward and cannot protrude beyond machine width.
9. Removal of recoil mechanism and starter cup to use 12-volt remote electric starter is allowed. The recoil cover must be maintained. A 1.5 inch hole may be drilled in recoil cover to insert starter drive.
10. Valve cover may be modified to stabilize rocker arm stud. Stud girdles may be added. Breather fitting may also be added.

DRIVE

1. Clutching in open. CVT type transmission allowed. Drive components must be commercially available.
2. A metal clutch/chain cover must be in place at all times during operation. It must cover clutches, gears, belts, chains, starter cups, and any other rotating components.
3. Brakes must be properly operable at all times.
4. Track drive sprockets may be modified or changed.
5. Jackshaft allowed.

SKI SUSPENSION AND STEERING

1. Ski suspension and steering may be changed or modified. Materials and components must meet or exceed OEM strength and structural integrity. Must maintain suspension travel with driver seated. No rigid suspensions.
2. The structural integrity of the steering and suspension systems must be maintained.
3. Maximum ski stance is 34 inches (measured between ski runner cutting edges)

SKI AND SKI RUNNER

1. Skis may be changed to commercially available aftermarket skis.
 - a. Minimum length for Sno-cross is 20 inches.
2. Ski loop must conform to GENERAL RULES AND REGULATIONS.
3. Ski runners must meet competition and safety requirements for the type of racing (i.e. Oval or Sno-cross).

TRACK SUSPENSION

1. Track suspension may be altered, relocated or replaced. Structural integrity must be maintained.
2. Suspension must maintain a minimum of 2 inches of useable, vertical travel with the driver seated.
3. Track and track suspension must fit and be mounted within the confines of the tunnel.
4. Slide rail lubrication systems may be allowed, depending upon local, state, and/or federal laws and must utilize non-toxic and biodegradable lubricants.

TRACK AND TRACTION

1. Track must conform to Stock class rules.
2. Track may not be reversed.
3. Traction control devices must conform to rules in Stock class.

FRAME AND BODY

1. Snowmobile length must not exceed OEM for the model length by more than 2 inches (ski loop to rear of tunnel).
2. Overall body width must be within 2 inches of OEM for the model body width.
3. Bumpers must be padded (no sharp edges exposed).
4. Snow flap must be touching ice with driver aboard.
5. Belly pan and hood may be replaced. Belly pan and hood are required components.
6. Bulkhead may be modified or replaced: it must remain within 1 inch of the length and 1 inch of the width of the OEM bulkhead.
7. Tunnel may be modified or replaced using aluminum material
8. only. Material must be a minimum of .062" thick.

IGNITION & ELECTRICAL

1. Ignition coil must be OEM for model. Flywheel must be replaced with an aftermarket billet aluminum flywheel designed for the application. Lighting coil may be removed.
2. Taillight must be illuminated at all times while on the racing surface, whether the engine is running or not.

SEMI PRO 206

GENERAL

1. The 206 Local Option Semi Pro class combines the rules for Stock Chassis and Drive with a spec engine rule. All chassis rules are the same as 120 STOCK CLASS.
2. Snowmobile must be an ISR designated 120/4-stroke model that complies with the GENERAL RULES AND REGULATIONS section.
3. Unless otherwise specified, 120/4 Stroke Stock rules apply.
4. Externally adjustable main jet allowed.
5. Final drive track drivers can be replaced. OEM number of teeth must be maintained.

AGE LIMITS

1. Competitors must be 6 years of age. Drivers must have one year's experience to enter this class.

ENGINE

[Refer to LO 206 ENGINE SECTION](#)

DRIVE

1. Stock 120/4 stroke rules apply.
2. 10/32 gear sets will be allowed
3. Final drive shaft may be changed but must be same material type (steel to steel) and bearing dimension as OEM.

SKI SUSPENSION AND STEERING

1. Sno-cross and other rough terrain races – Stock 120/4 stroke rules apply with the exception that commercially available OEM or aftermarket shocks and springs allowed.
2. If the unit did not come with a rear shock you are allowed a shock upgrade kit for the rear suspension

PRO 206

GENERAL

1. The 206 Local Option Pro class combines the rules for 120 racing with a spec engine rule. All chassis rules are the same as 120 STOCK CLASS.
2. Snowmobile must be an ISR designated 120/4-stroke model that complies with the GENERAL RULES AND REGULATIONS section.

3. Unless otherwise specified, 120/4 Stroke Stock rules apply
4. Externally adjustable main jets allowed.
5. Final drive track drivers can be replaced. OEM number of teeth and diameter must be maintained.

AGE LIMITS

1. Competitors must be 7 years of age with one year of driving experience. Drivers reaching 14 years of age during the season may finish the season in that class.

ENGINE

[Refer to LO 206 ENGINE SECTION](#)

DRIVE

1. Gear ratio may be changed.
2. #35 chain may be used
3. Clutch may be replaced with aftermarket clutch of the same basic centrifugal design. (No variable ration systems allowed.) Brake band may be changed to fit clutch.

SKI SUSPENSION AND STEERING

1. Sno-cross and other rough terrain races – Stock 120/4 stroke rules apply with the exception that commercially available OEM or aftermarket shocks and springs allowed.
4. If the unit did not come with a rear shock you are allowed a shock upgrade kit for the rear suspension.

SPEED LIMITED CLASSES

GENERAL

1. This is an alternative means of conducting 120/4 stroke races that required that all competitor govern the speed of their snowmobiles according to the class rules.
2. A test course should be provided which will allow competitors to check the maximum speed of their sled before the event. (It is recommended that the speed be displayed on a large visual display.)
3. A radar gun or other device will be used at the fastest portion of the track during the races. (It is recommended that the speed be displayed on a large visual display.)
4. Recommended classes:
Class One - 15 mph, Drivers aged 4 through 5. Class Two - 18 mph, Drivers aged 6 through 12.

5. There must be no class speed limit in excess of 18 mph.
6. To insure safe competition, the Race Director must evaluate the course and the class speed limits and make changes as necessary.
7. Violators of the class speed limit will be reclassified to last place finishing position.
8. Driver safety equipment, sled equipment and course requirements from the 120/4 STROKE RACING section apply.
9. A snowmobile and driver safety inspection will be conducted before racing. Post-race technical inspection will be conducted in the event of a protest only.

SNOWMOBILE REQUIREMENTS

1. Snowmobiles must conform to the rules of the Improved Stock Class for 120/4 Stroke Racing.

COURSE REQUIREMENTS

SNO-CROSS

1. Refer to Sno-Cross track layout in the Appendix.
2. Course width and length may be adjusted to suit the size and performance of the 120/4 sleds. Course safety must not be compromised. The course must be evaluated and approved by the Race Director.
3. The track must have a 25 foot (minimum) spectator safety buffer zone and barrier.
- 4.