



**NORTHERN ALBERTA SPORTS CAR CLUB
YEAR 2024
ICE RACE CHAMPIONSHIP SERIES
STREET SAFE CLASS
SUPPLEMENTARY REGULATIONS
VERSION: 1.2 | RELEASE DATE: 01/14/2024**

v1.2 differs from v1.1 (released Nov 2023) by updating the helmet specifications to WCMA 2024 regulations

These rules are designed to make the activities of ice racing in the STREET SAFE CLASS only easier to understand and control for safe, fair and fun motorsport competition. When reading and interpreting these rules, you should remember the spirit of the regulations and understand that interpretation of any rule should be discussed with the Organizers before assuming that your interpretation is legal. These rules are not intended to “catch” the competitor, but rather to be a guideline to enable you to build a safe race car that is legal within this race series.

The currently web posted Western Canada Motorsport Association Sporting and Technical Regulations are in effect and govern the operations of this Ice Race Series. Any and all issues not specifically dealt with in these Supplemental Regulations will be handled as covered by the above mentioned regulations. **PLEASE NOTE that the STREET SAFE ice race class is significantly different than that of other race series sanctioned by the WCMA. As a result, these supplemental regulations cover driver, car, and overall class rules / safety.**

Sanctioned by Western Canada Motorsports Association (WCMA)
Affiliated with Sports Development Group (GDS) – ASN Canada

WCMA Sporting and Technical Regulations are available for
viewing and download at www.wcma.ca

2024 – CRITICAL SECTIONS OF THE REGULATIONS ARE HIGHLIGHTED IN BOLD AND YELLOW FOR REINFORCEMENT. NOTE – ALL COMPETITORS MUST COMPLY WITH ALL RULES AS WRITTEN.

STREET SAFE (SS) CLASS SUPPLEMENTAL REGULATIONS

1. GENERAL RULES AND IMPORTANT INFORMATION

A. GENERAL ICE RACE RULES AND INFORMATION

Unless otherwise outlined in these STREET SAFE class supplemental regulations, all general rules and important information are governed by the current year NASCC Ice Race Supplemental Regulations and overall WCMA Regulations. Competitors should be familiar with all regulations.

B. THE GOLDEN RULE

If a change to a vehicle, safety equipment, or otherwise is not documented below, default to the understanding that it is likely not allowed. The answer to the question “Can I?” is no, changes must be listed as acceptable. For questions, reference the series Scrutineer documented in the NASCC Supplemental Regulations.

C. CLASS INTENT

The SS (Street Safe) class is intended to provide safe, accessible, inclusive, cost effective, racing to competitors in near-stock or completely stock vehicles. The SS class rules are written with a safety-focused approach – any competitor that purposefully breaches those rules shall be heavily sanctioned and/or excluded from further competition.

D. CAR APPEARANCE

All cars must maintain a neat and tidy appearance. Reasonable efforts must be made to restore the appearance of a car damaged at a previous event or race. Cars will not be permitted to compete with damage that has not been repaired in a reasonable manner, as judged by Scrutineer and/or event organizer’s discretion.

E. BODY CONTACT

Body contact will not be tolerated! Penalties will be assessed for body contact as observed by race officials and determined by event stewards. All competitors involved in body contact must immediately self-report to series stewards.

F. SAFETY

Safety is the utmost priority of organizers and competitors, and all drivers shall race with a safety-first mentality in mind. Any driver behaving recklessly or contrary to the safety-first mindset shall be sanctioned as deemed appropriate by the event Stewards.

2. TRACK

1. Tracks shall be designed as a full track or sub-track within a longer track with all-reasonable effort to limit maximum Street Safe class speeds to 80 Km/h. With this key requirement it is expected that track speeds in corners and any high congestion racing areas will be minimal.

2. Tracks shall not exceed 1 Km in length

3. Tracks shall have a minimum width of 10m in all areas, or be as reasonably wide as conditions permit

4. Races may be run both clockwise and counter-clockwise as deemed appropriate by officials

5. Tracks shall be designed at organizer discretion with the above in mind whereby driver and passenger safety is of utmost priority

6. Any track where competitor speeds exceed that of 80Km/h shall be modified to ensure the speed of competition is controlled for safety reasons.

3. DRIVER ELIGIBILITY

1. New entrants must complete a club-provided, WCMA sanctioned or recognized ice-race license school.

2. Licensing opportunities will be provided at the beginning of the season at a race school, and throughout the ice race season to new entrants by the NASCC utilizing an organized specific ice racing coaching and instructional school provided typically on track the day before an event, or, during lunch hour. Upon completing the school, drivers will be awarded a WCMA Basic Ice Race license.
3. All drivers must hold B) as well as 1 or both of B) and C):
 - a) WCMA Basic Ice Race, Novice or Amateur license
 - b) WCMA sanctioned club membership
 - c) WCMA sanctioned or recognized racing license from other jurisdictions - subject to WCMA / club approval

4. DRIVER CONDUCT

1. **Intentional contact in SS is strictly forbidden.**
2. *Competitors will do everything they can to ensure adequate "racing room" is provided for their fellow racers. Racing room is defined as sufficient space on the racetrack to allow competitors to maintain control of their cars in close quarters, under racing conditions, through all corners / straights.*
3. **Competitors will preserve the right of fellow competitors to the racing room at all times.**
4. Sudden changes in direction that impede or affect the path of the car attempting to overtake or pass may be interpreted by Officials as an attempt to deprive a fellow competitor of racing room – resulting in a penalty.
5. Persistently driving into, bouncing off or otherwise "abusing" the snowbanks is not permitted.
6. **Drivers, at all times, will do everything they can to maintain racing room. This rule should be considered as priority for all drivers.**
7. All drivers involved in contact must immediately self-report to the steward station following the race.

5. VEHICLE ELIGIBILITY

1. **Eligible vehicles shall be compact sedans, coupes, or station wagons**
2. Vehicles with convertible tops are not eligible
3. All cars will present a neat and clean appearance, body damage shall be reasonably fixed between races
4. All cars must have crack free windshields or windshields without cracks through more than 1-layer of multi-layered windshield glass. Cars with heavily cracked windshields or cracks through multiple layers of factory safety glass will not be allowed to participate. This is to preserve driver safety in the event of a rollover or incident that impacts snowbanks or other hard objects to windshield. This is mandatory for both caged and un-caged cars.
5. **Vehicles shall be FWD, RWD, or AWD - none shall exceed 3,150 lbs in race-weight excluding driver & passenger. FWD & RWD will be classed separately from AWD cars.**
6. All terrain, commercial, open wheel, trucks, tube chassis, dune buggies, horse-drawn carriages and/or vehicle types not explicitly identified above are not permitted

6. TIRES AND STUDDING

1. SS cars shall run a commercially available DOT "Winter rated" (Snowflake logo) studless radial street tire - if they are not purchasable by the average consumer, they are not eligible to run.
2. **Space-saver wheels and tires narrower than 165 mm are not permitted.**
3. Studded tires are **not** permitted.
4. **Tires shall not exceed \$160 per tire as referenced by average NEW consumer tire prices on tirerack.com (not on sale). Receipts must be provided upon scrutineer request and/or an average cost from Tirerack.com displayed.**
 - o **Common high-end winter tires such as Blizzaks, Hakkapeliittas, Michelin X-Ice are explicitly banned from competition. The intent of this ban is to ensure cost-effective, safe, fun racing is available to all.**
5. Tires that included manufacturer "grit" additives like walnuts may be run so long as the manufacturer additive does not reasonably constitute a stud. (Walnuts are OK, adamantium pellets are not)
6. **Mechanical tractionizing, or "siping" of tires, is permitted so long as the competitor utilizes ONLY the NASCC club tractionizer at club events, or, in-between club events. Tires may be tractionized once per season, and will be marked yearly by the club at time of tractionizing.**
7. For questions regarding ice race tire eligibility competitors will consult the ice race scrutineer

7. DRIVER & PASSENGER SAFETY EQUIPMENT REQUIREMENTS

1. Helmets

- 1. At minimum 2010 Snell "M" rated helmets, 2010 Snell SA rating, or ECE R22.05 / 22.05 spec helmets are required for drivers and passengers for any uncaged SS car. Updated versions of the Snell M or SA ratings are preferable.**

- a) Note: if the SS car has an installed safety cage the helmet requirement must be Snell Foundation SA2015 certified or newer - additional eligible helmet standards are referenced within WCMA Technical Regulations

2. Unless otherwise noted here or within WCMA regulations, other helmet standards are not permitted

2. Frontal head restraint devices

- a) For all caged race cars FHD devices are highly recommended but not required
- b) Frontal head restraint devices are not recommended in un-caged cars
- c) Full list of approved FHD devices is contained within WCMA technical regulations

3. Eye protection

- a) It is highly recommended competitors use goggles or visors, though not required

4. Clothing

- a) Fire Resistant (FR) coveralls made of Nomex, Proban, or equal CSA rating are a minimum requirement for drivers – *these can typically be purchased for \$80 or more at your local workwear store.*
- b) Coveralls must be clean and in good condition
- c) Natural or fire-resistant fabrics that will not melt are to be worn underneath the coverall
- d) WCMA approved driving suits and underwear are not required but highly recommended
- e) Socks made from a natural or fire-resistant fabric (that will not melt) are recommended
- f) Shoes and gloves must be made of leather or any approved fire-resistant material and must contain no holes, shoes may have rubber soles
- g) Balaclavas made of fire-resistant material are highly recommended
- h) Eligibility of driver and passenger gear is at the sole discretion of the scrutineer

8. VEHICLE PREPARATION

1. General

- a) **Eligible vehicles are Front wheel drive (FWD), Rear wheel drive (RWD) or All wheel drive (AWD) passenger cars built after 1972.**
- b) Cars shall not exceed 110 inches in wheelbase & shall not weigh more than 3,150lbs without driver
- c) Modifications designed to extend car life, minimize damage, or simplify repair are generally accepted. Modifications designed primarily to increase the performance of the car, not otherwise outlined in the rules below, are prohibited.
- d) **Roll cages are not required but are highly recommended,** and if fitted, all caged cars must comply with WCMA roll-cage specifications (available at WCMA.ca) and all NASCC Ice Race sup regs along with the additional related safety requirements like SA rated helmet 5-point SFI rated harnesses.

2. Body

- a) All vehicles shall present a neat and tidy appearance similar to a vehicle one would find on the street
- b) The entire body must remain stock, as produced, excluding safety modifications.
- c) Hoods will be secured with at least two hood pins; factory hood latch must be disabled for safety.
- d) Body panels may be replaced with stock and/or aftermarket stock "jobber" replica parts, alternate material (fiberglass or other lightweight composites are prohibited) or reasonably repaired with similar materials
- e) Sunroofs constructed of metal shall be disabled and secured shut via fasteners and/or welding. Sunroofs constructed of glass, plastic or any other non-metal material shall be removed and replaced with a solid metal structure.
- f) **Convertibles and open top cars are not permitted.**
- g) Factory aerodynamic and or equivalent aftermarket replica devices are permitted - no aftermarket non-replica aero parts are permitted
- h) Bumper covers may remain or be removed, bumper structures must remain. It is recommended that competitors keep bumper covers and that they be unmodified, to avoid snow damage to radiators and other sensitive parts.

i) Class decals (SS) and car numbers shall adhere to NASCC Ice Race Supplemental Regulations.

3. Roll cage & crash structures

- a) **Roll cages are not required but are highly recommended** - all roll cages must comply with WCMA technical regulations as documented. All caged cars must comply with all additional requirements as documented in the overarching NASCC supplemental regulations.
- b) **All factory crash structures, door bars, and other crash protection steel must remain intact and be repaired should it be damaged while racing – if a car is caged, the requirement to retain factory crash structures is void.**
- c) **Interior metal removal from structural parts like doors, inner fenders, trunk lids, hoods, are prohibited**, unless a car has a WCMA approved roll cage.
- d) **Removing any factory metal from the car, designed in any way to add rigidity, integrity, or structure to the car is prohibited unless cars are fitted with roll cages.**

4. Door bars

- a) All cars shall retain the side beam protection and internal door structures as manufactured, no modification to interior door metal panels and bars is permitted.
- b) *Cars produced by the manufacturer (not modified by competitor) without factory door bars / protection shall have side beam protection fitted. Side beam protection is at the discretion of Scrutineer and competitors wishing to run cars without factory side beam protection at production are encouraged to consult with the Scrutineer prior to the event.*

5. Steering, suspension

- a) **Substitution or extensive modification of the steering is prohibited.**
- b) Suspension type and design shall remain stock. No modification from one type of suspension to another is allowed.
- c) Springs and shocks are free except that the number and type may not be modified.
- d) Swaybars and other similar anti-roll devices, when stock or available on the same model but higher trimmed car, are permitted. Modification of stock parts installed on racecars, addition of aftermarket sway bars, or any other suspension devices not otherwise listed are prohibited. Removal of stock swaybars is allowed.

6. Exhaust system

- a) Exhaust modifications are permitted so long as the exhaust exits behind the driver/passenger position, beyond the bodywork.
- b) Exhausts will be securely attached and fastened to the chassis. Safety wire is recommended every 3 feet beyond the header to ensure the exhaust is not torn away while racing.
- c) Mufflers attached to the exhaust system are highly recommended.

7. Engines, transmissions & differentials

- a) **Engines, transmissions, and differentials are HIGHLY encouraged to remain stock.**
- b) Engine swaps and changing of displacement are permitted, but **competitors are reminded horsepower is typically not a substantial advantage in rubber-tire based ice racing.**
- c) Any / all modifications to the engine, while encouraged to remain stock, inclusive of carbs, fuel injection systems, turbos, superchargers, cranks, cams, porting, polishing are permitted though **competitors are reminded that traction is the limiting factor of speed, not horsepower/torque, in the SS class.**

8. Lighting

- a) **All vehicles must have functioning headlights, taillights, brake lights and a rear facing 20W or greater, directional beam LED fog light in Blue or Yellow.**
- b) *Headlights* may be standard or relocated headlights that are clear or blue and there shall be 2 or more - with one always operational while on track
- c) *Brake lights* - 4 rear facing brake lights are required, two of which must be mounted on or above the trunk lid. The lenses of these lights must be coloured red
- d) *Rear light* - Cars shall have one rear facing, high intensity(20W minimum), fog light mounted on top of the roof at eye level, and must always be operational while on track.

9. Brakes & wheels

- a) Brakes are free. All vehicles shall have functional and effective brakes at each wheel (disc or drum permitted).
- b) **Wheels are free except that all cars shall have only 4 wheels and 4 tires and rim widths and tire size shall be small enough that both do not protrude beyond the fenders.**

- c) Space saver wheels are prohibited.**
10. **Ballast**
a) **No additive ballast such as weights, sandbags, etc will be allowed.**
11. **Wipers**
a) All cars will be fitted with an operational windshield wiper that adequately clears the windshield providing visibility to the driver
12. **Battery**
a) **Must remain in stock location.**
b) Positive terminals must be insulated and the battery must be secured by a minimum of 2 points and/or "Securely fashioned" at the discretion of Scrutineer. It is recommended competitors utilize a metal tie down fastened by a minimum of 2 bolts.
c) Cars with non-compliant batteries will be excluded from competition.
d) Battery relocation to the interior is not permitted.
13. **Seats**
a) Original equipment seats are permitted
b) Where OE seats are replaced with aftermarket seats, aftermarket seats shall be mounted securely by at least 4 points, exceeding factory safety specifications
c) Seats are free, the use of a racing seat is permitted. When factory seats are run, they shall have head rests securely attached for both driver and passenger.
14. **Interior**
a) Interior panels may be removed along with carpeting, or replaced as competitor wishes, so long as no sharp edges or protuberances exist within the cabin.
b) All cars will have a passenger grab handle securely installed if a passenger seat remains in the car.
15. **Seat belts**
a) Drivers & passengers shall have seat belts fitted at all times during vehicle operation.
b) All cars must have a minimum of a fully functioning 3-point safety harness made of nylon or dacron as fitted at the factory. Minimum width of belts is 2".
c) **5-point SFI approved harnesses must be fitted in cars running roll cages but may not be run in cars without. Uncaged cars running 5-point harnesses will not be permitted to compete.**
d) Frayed belts or otherwise worn belts must be replaced prior to competition.
16. **Fuel tanks**
a) **Fuel systems MUST remain stock.**
b) No modification to fuel systems is permitted this includes senders, pumps(OE replacement OK), regulators, etc - fuel system MUST remain entirely stock.
c) All fuel tanks must be separated from the passenger compartment by a metal firewall.
17. **Radiators**
a) Radiators are free, but must be contained within a firewall if located within the passenger compartment.
18. **Windows**
a) For non-caged cars, stock or stock equivalent driver & passenger windows are required, all cars shall run with drivers and passenger windows closed.
b) **For caged cars, window and window net rules must comply with the NASCC supplemental regulations.**
c) Factory window tint that is not removable is permitted, all other window tint including after market is prohibited and must be removed.
19. **Horns**
a) Horns may be fitted, the use of horns during a race on track is forbidden.
b) **Competitors are encouraged to show their appreciation to track workers after the chequered flag by providing encouraging honks and waves.**
20. **Mirrors**
a) All cars shall have passenger and driver side view mirrors as well as 1 interior rear-view mirror installed and at a minimum retain 2 mirrors after an event has begun.
21. **Windshields**
a) **All non-caged cars MUST have clean windshields free of any cracks that penetrate more than a single layer of the windshield. It is recommended that windshields are entirely crack free.**
b) In un-caged cars, windshields shall be stock windshield or aftermarket stock replacement (highly encouraged) ONLY.
c) **Any visible scratches or cracks must not be such that they obstruct drivers view and may not go through more than 1 layer of factory windshields.**

- d) All cars must have windshields in place during all on track sessions.
22. **Mudflaps**
- a) Are encouraged but not mandatory
23. **Tow hooks**
- a) **All cars shall have a tow hook clearly marked on the front and rear of the vehicle.**
 - b) Tow hooks must be welded and/or securely chained via tow grade chains such that they are capable of safely extracting a vehicle from a snowbank.
 - c) Cars without front & rear tow hooks will be prohibited from running
24. **Airbags**
- a) **All airbags will be removed from vehicles, disabling is not enough, airbags must be removed**
25. **Kill switches**
- a) Factory key based starter systems may remain in place.
 - b) Should the competitor so desire, the installation of an SFI approved kill switch is highly encouraged. Kill switches must disable the 12v system as well as the charge system, completely stopping the engine and preventing restart.