



**Grand Prix of Phoenix
2023 Sporting Regulations**
Ver 1.0 (06-11-23)

A. DEFINITIONS

Event

a.1. The FM Grand Prix of Phoenix is a single event open wheel Pro-Stock class race modeled after the Formula One World Championship.

Eligible Cars

a.2. Any 1:28-1:24 scale version of a Mini-Z F1 car, subject to Technical Regulations (Sec G).

Teams

a.3. Up to two cars may form a team. Race points earned by both drivers are totaled in determining the “Constructor’s Championship” (f.3).

General Regulations

a.4. The “Mini-AZ 2023 General Regulations” also apply. Where any documents come into conflict, the “Grand Prix of Phoenix 2023 Regulations” supersede all others.

B. SCRUTINEERING

Inspection

b.1. Cars must be provided to the inspector for Scrutineering prior to qualifying and each race.

Parc Ferme

b.2. While under Parc Ferme, no changes except batteries are permitted until the Q1 or race start.

b.3. Maintenance required while under Parc Ferme is permitted with like-for-like parts, including gear ratio.

b.4. If non-like-for-like changes are required, that car is demoted five grid positions from its grid order.

C. QUALIFYING

Q1

c.1. Qualifying is shortened to a single 15min round during which cars may freely enter and exit the track.

c.2. Parc Ferme is lifted during Qualifying, resuming immediately at the end of the session during which rule b.2-4 are in effect.

c.3. Any post-qualifying penalties apply to the Sprint Race grid as per rule b.4.

D. SPRINT RACE

d.1. Parc Ferme continues to be in effect from end of Q1 to the start of the Sprint race, after which any changes may be made freely.

Grid

d.2. Cars grid in order of their fastest single laps from Q1.

Race

d.3. The race begins from a standing start and lasts a 1:28 scale distance equal to the least number of laps which meet or exceed 100km.

Points

d.3. Points scored by finish order.

Finish	Points	Finish	Points
1 st	8	5 th	4
2 nd	7	6 th	3
3 rd	6	7 th	2
4 th	5	8 th	1

D. GRAND PRIX

d.1 No Parc Ferme conditions from this point.

Grid

d.2. Cars grid in order of their Sprint Race finish.

Race

d.3. The race begins from a standing start, and lasts a 1:28 scale distance equal to the least number of laps which meet or exceed 305km.

Points

d.3. Points scored by finish order.

Finish	Points	Finish	Points
1 st	25	6 th	8
2 nd	18	7 th	6
3 rd	15	8 th	4
4 th	12	9 th	2
5 th	10		

Bonus Point

d.4. The driver setting the fastest Grand Prix lap is awarded one bonus point.

E. GENERAL EVENT CONDUCT

e.1. The following apply to all qualifying and race sessions.

Pit Stops

e.2. Each driver must pit his own car, including pit retrieval, maintenance, and battery changes. Additional pit crew working directly on a car during a race are prohibited.

Primary and Backup Cars

e.3. If a car becomes disabled such that it is a control hazard on the track or can no longer move, the driver may switch to a backup car.

e.4. Backup cars must be stored without batteries installed until a driver declares his intention to switch cars.

e.5. Backup cars may not be used simply to make a faster pit stop. The current car must be damaged beyond quick repair. After the race both cars must be presented for inspection.

F. SCORING

f.1. If multiple Mains are run, determine points as though all cars ran together based on lap data.

Driver's Championship

f.2. The driver with the most individual points shall be designated the "Driver Champion".

Constructor's Championship

f.3. Points from both drivers on a team are totaled together for Constructor's Points. The team with the most points is designated the "Constructor Champion".

G. TECHNICAL REGULATIONS

Chassis

g.1. Any F1 style Mini-Z type chassis of any material, including the GLF-1 Any custom or after-market parts.

Body

g.2. Any shell of any material representing an F1 style body. Front and rear wing must be scale appropriate.

g.3. Anti-rail-snagging bumpers may be added but must be fixed. No moving parts. Protective/strengthening parts permitted.

Electronics

g.4. Any control board. No driver aids (ie gyro)

Motor

g.5. Any 70t or greater (ie 80t) 130 class brush, or 3500kv or less brushless motor.

Batteries

g.6. Any on-board power source. Max 8.4v.

Tyres

g.7. Any rubber tyre. The traction patch may be no wider than 13.5mm front and 15.5mm rear.

f.8. No traction compounds. May clean tyres with water, alcohol or Simple Green (Purple). Tyre warmers are allowed.

Weight

f.9. Cars must weigh a minimum of 160g race-ready with batteries installed.