



**Grand Prix of Phoenix
2010 Sporting Regulations**
Ver 1.0 (06-29-10)

A. DEFINITIONS

Event

a.1. The F1 Grand Prix of Phoenix is a single event open wheel stock class race modeled after the FIA Formula One World Championship.

a.2. The race distance shall be equal to the least number of laps which exceed a distance of 41,694ft, which is the FIA's mandated 305km distance at 1:24 scale.

a.3. The race duration shall not exceed 2 hours. If time expires, drivers complete the lap they are on and finish positions determined from there.

Eligible Cars

a.6. Any 1:24 scale Kyosho Mini-Z F1 car, subject to Technical Regulations (Sec F).

Teams

a.7. Up to two cars may form a team. Race points earned by both drivers are totaled in determining the "Constructor's Championship" (e.4).

General Regulations

a.8. The "Mini-AZ 2010 General Regulations" also apply. Where any documents come into conflict, the "Grand Prix of Phoenix 2010 Regulations" supersede all others.

B. SCRUTINEERING

Inspection

b.1. Cars must be provided to the inspector for Scrutineering prior to the first round of qualifying. The top three race finishers (from each Main if necessary) will also be presented for post-race inspection.

b.2. Weigh-in includes all the equipment with which the car will enter the track EXCLUDING batteries.

Parc Ferme

b.3. Upon passing scrutineering cars shall be placed in Parc Ferme until called to the track. A 'Parc Ferme condition' exists from that point until the start of the race.

b.4. Under Parc Ferme condition, drivers may not work on that car until after the race start.

b.5. If a car should require maintenance while under Parc Ferme, the driver may do so with the inspection of a Steward. Only like-for-like parts are permitted, including gear ratio.

b.6. If non-like-for-like changes are required, that car is demoted five grid positions. This penalty extends into lower Mains if necessary.

b.7. Parc Ferme condition ends upon race start, at which time drivers are free to work on their cars including non-like-for-like parts.

b.8. Batteries may be changed at any time.

C. QUALIFYING

Q1 / Q2 / Q3

- c.1. Qualifying is broken into three rounds. Drivers shall be ranked by fastest single lap at the end of each qualifying round.
- c.2. Q1 shall be 20min in duration. Q2 shall be 15min, and Q3 shall be 10min. Cars may enter and exit the track freely during qualifying.
- c.3. All drivers take part in Q1 after which the slowest group are removed to Parc Ferme and the lap times of the remaining cars reset. Q2 and Q3 repeat the process with the remaining cars.
- c.4. The cutoff threshold for each round shall be the total number of drivers divided by three, placing odd numbers into Q3 and then Q2 (i.e. Q1: 4 cars, Q2: 5 cars, Q3: 5 cars).
- c.5. The finish order from each round determines the race starting grid. Cars running in Q3 must start the race using the tyres with which they qualified, unless a Steward determines they are too damaged to start.

Backup Car

- c.6. If a driver must switch to a backup car after qualifying, he must start the race from pit lane after Scrutineering.

Transponder and Frequency Overlap

- c.7. If there are insufficient transponders or radio frequencies for all cars, the Race Director may designate a Q-Zero session for the overflow cars. These cars will grid behind the Q1 cars.
- c.8. If necessary, the grid order may be altered to accommodate transponder or frequency issues by moving cars to different Mains.

D. RACE

Grid

- d.1 A maximum of nine cars may be on track. If ten or more cars participate the field is broken into Mains as evenly as possible, placing odd numbers into higher Mains (i.e. B-Main: 6 cars, A-Main: 7 cars).

Race

- d.2. The race begins from a standing start and lasts a number of laps as prescribed in a.2, or times out as prescribed in a.3.

Pit Stops

- d.3. 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

- d.4. 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.
- d.5. Backup cars must be stored without batteries installed until a driver declares his intention to switch cars.
- d.6. Backup cars may not be used simply to make a quick pit stop. The current car must be damaged beyond quick repair. After the race both cars must be presented for inspection.

E. SCORING

Points

e.1. Points scored by finish order.

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

e.2. If multiple Mains are run, determine points as though all cars ran together based on lap data.

Driver's Championship

e.3. The driver with the highest finish position shall be designated the "Driver Champion".

Constructor's Championship

e.4. 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".

F. TECHNICAL REGULATIONS

Chassis

f.1. Must be Kyosho F1. No modifications allowed beyond the following exceptions:

f.2. After-market parts are permitted. Custom parts must operate in a reasonably stock manner.

f.3. Trimming of chassis and body material is permitted.

Electronics

f.4. Only stock electronics (or similar replacements) are permitted.

f.5. Any FET option is permitted.

f.6 AM, FM, AD, and 2.4Ghz Tx/Rx are legal.

Motor

f.7. 70t 'stock' motor such as the PNWC70.

Body

f.8. Kyosho Mini-Z F1 bodies. Similar 1:24 scale polystyrene bodies are permitted if the initial weight is similar to a Kyosho F1 shell.

f.9. Cars must start the race with front and rear wings attached. Protective shields may be attached for the front wing.

f.10. Anti-rail-snagging bumpers may be added but must be fixed. No moving parts.

Tyres

f.10. Any brand of F1 specific rubber tyre, slick or grooved.

f.11. No traction compounds. Tyre warmers are allowed. 70% alcohol for cleaning.

f.12. The traction patch may be no wider than 13.5mm front and 15.5mm rear.

Batteries

f.13. Any NiCd, or NiMh AAA size batteries. 4 cell arrangement only.

Weight

f.14. Cars must weigh a minimum of 150g *without* batteries installed. Weight may be added anywhere to meet this minimum.

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