

## 2021 MEXICAN GRAND PRIX

4 - 6 November 2021

---

<b>From</b>	The FIA Formula One Race Director	<b>Document</b>	4
<b>To</b>	All Teams, All Officials	<b>Date</b>	04 November 2021
		<b>Time</b>	11:53

---

**Title** Race Directors' Event Notes

**Description** Event Notes

**Enclosed** 2021 Mexican F1 Grand Prix Event Notes Doc 4.pdf

**Michael Masi**

**The FIA Formula One Race Director**

# 2021 MEXICAN GRAND PRIX

4 – 7 November 2021

---

<b>From</b>	The FIA Formula One Race Director	<b>Document</b>	4
<b>To</b>	All Teams, All Officials	<b>Date</b>	4 November 2021
		<b>Time</b>	11:55

---

## **EVENT NOTES** **General Instructions**

### **1) Pit lane map**

- 1.1 Safety Car lines.
- 1.2 The location of the pit entry and the pit exit.
- 1.3 Designated garage areas.
- 1.4 Safety Car position for first lap and rest of race.
- 1.5 Blue flag marshal at the pit exit.
- 1.6 Track light panels displaying pit entry status.

### **2) Pirelli Event Preview**

- 2.1 With reference to Article 24.4(a) of the Sporting Regulations see the attached document provided by the official tyre supplier.

### **3) Red zones for photographers in the pit lane during practice sessions**

- 3.1 See the attached drawing.

### **4) Track light panels**

- 4.1 The FIA track light panels have been installed in the positions shown on the circuit map. In accordance with Appendix H to the ISC the light signals have the same meaning as flag signals.

### **5) Track light panel displaying pit entry status**

- 5.1 The light panel indicated on the pit lane map will display a flashing yellow arrow if cars are required to use the pit lane once the Safety Car has been deployed during the race.
- 5.2 The light panel indicated on the pit lane map will display a flashing red cross if the pit lane is closed at any point during the race.

### **6) Drivers leaving their pit stop position in the pit lane**

- 6.1 For safety reasons, no car should be driven from its pit stop position at any time unless:
  - a) It has first been driven into the pit stop position having just entered the pit lane from the track, and;
  - b) It is then driven immediately back onto the track from the pit stop position.

## **7) Observing yellow flags during free practice and qualifying**

7.1 Double waved: Any driver passing through a double waved yellow marshalling sector must reduce speed significantly and be prepared to change direction or stop. In order for the stewards to be satisfied that any such driver has complied with these requirements it must be clear that he has not attempted to set a meaningful lap time, for practical purposes any driver in a double yellow sector will have that lap time deleted.

7.2 Single waved: Drivers should reduce their speed and be prepared to change direction. It must be clear that a driver has reduced speed and, in order for this to be clear, a driver would be expected to have braked earlier and/or discernibly reduced speed in the relevant marshalling sector.

Drivers should not overtake any car in a single waved yellow marshalling sector unless it is clear that a car is slowing with a completely obvious problem, e.g. obvious accident damage or a deflated tyre.

## **8) In laps during qualifying and reconnaissance laps**

8.1 In order to ensure that cars are not driven unnecessarily slowly on in laps during and after the end of qualifying or during reconnaissance laps when the pit exit is opened for the race, drivers must stay below the maximum time set by the FIA between the Safety Car lines shown on the pit lane map.

You will be informed of the maximum time after the first day of practice.

## **9) Parc Fermé Cameras**

9.1 To assist with the revised FIA Event procedures, the Parc Fermé cameras must be uncovered and operational at all times during the Event.

## **10) Operational personnel curfew**

10.1 Boards warning anyone attempting to enter the paddock that the curfew is in operation will be placed immediately before the turnstiles at the appropriate times.

10.2 At this Event, Personnel will be permitted to enter the Paddock 30 minutes prior to the curfew to assist social distancing. No work is permitted to be undertaken until the curfew has ended.

## **11) Tyre Blanket Usage during Pit Stops in the Race**

11.1 For reasons of safety, tyre blankets are not permitted in the Pit Lane at any time during the race.

## **12) Lapping during the race**

12.1 The ISC requires drivers who are caught by another car about to lap him to allow the faster driver past at the first available opportunity. The F1 Marshalling System has been developed in order to ensure that the point at which a driver is shown blue flags is consistent, rather than trusting the ability of marshals to identify situations that require blue flags.

As it was at the end of last season the system will be set to give a pre-warning when the faster car is within 3.0s of the car about to be lapped, this should be used by the team of the slower car to warn their driver he is soon going to be lapped and that allowing the faster car through should be considered a priority. When the faster car is within 1.2s of the car about to be lapped blue flags will be shown to the slower car (in addition to blue light panels, blue cockpit lights and a message on the timing monitors) and the driver must allow the following driver to overtake at the first available opportunity.

It should be noted that the aim of using F1MS is to ensure consistent application of the rules, additional instructions may also be given by race control when necessary.

## **Event Specific Instructions**

### **13) Formula 1 Sporting Regulations Article 21.6**

13.1 In accordance with the provisions of Article 21.6a)ii), this Event is an Open Event.

### **14) Changes to the circuit**

14.1 The depression in the track surface on the right-hand side under the overpass bridge located between the Pit Exit and Turn 1 has been resurfaced.

14.2 The right-hand side wall between Point 11.5 and Turn 12 has been realigned closer to the track edge by approximately 2m.

14.3 The barrier on the left-hand side at Turn 17 has been brought closer to the track edge and the Tecpro has been removed.

### **15) Specific Technical Procedures**

15.1 The provisions of Technical Directive Ref: TD012 Issue A and TD003 Issue F must be complied with at all times during the Event.

15.2 Any tyres that are removed from a car and could be re-used during a session should be presented for scanning before being rewrapped and reheated. If time constraints do not permit this then all tyres used during a session must be presented to the tyre checker at the front of the garage at the end of any session. This applies to dry, wet and intermediate tyres.

15.3 Both TD012 Issue: A and TD003 Issue F will be amended after the Event to reflect any additional operational requirements as required.

15.4 When queuing for the weighing platform, tyre blankets, which use resistive heating elements, may be used at ambient temperatures below 15 °C. The reference for this is the temperature published on Page 3 of the Official Messaging System. The blankets must be properly fastened around the tyre and done up tightly and may not cover any car components other than the wheel.

15.5 In addition to the minimum heating times and temperatures specified in the Pirelli Event Preview, Competitors will be permitted to leave their tyres wrapped in blankets and heating to a maximum temperature of 30 °C throughout the night in order to minimise any issues relating to the colder overnight ambient temperatures.

### **16) Weighing and weighing platform**

16.1 The FIA weighing platform will be available for teams to use at the following times, however, no more than 8 team personnel may be present during any visit. Each visit should last no more than 10 minutes unless no other team is waiting in the pit lane:

a) From 11:30 on Thursday until 10:30 on Friday.

b) From 12:30 on Friday until 13:30 on Saturday (between 12:00 and 13:30 on Saturday each visit will be restricted to five (5) minutes).

c) From when the cars are returned to the teams after qualifying until 18:30 on Saturday.

d) From 08:00 until 09:00 and 11:00 until 12:20 on Sunday.

Any team found to be abusing the time limits set out above, which will be enforced by FIA security personnel and our own CCTV, will not be permitted to use the weighbridge again during the Event.

### **17) Support Races**

#### **17.1 Team Barrier placement**

a) Team barrier placement prior to and during all support category practice sessions and races: Approximately five (5) metres from the front of the garages.

b) It is not permitted to push cars to the weighing area at any time a support category is in pit lane.

## **17.2 Support Category Movements**

- a) Support Crews and Trolleys will be released into Pit Lane no earlier than 20 minutes prior to the opening of Pit Exit for their respective sessions.
- b) Support Category competition vehicles will be released from the marshalling area no earlier than 15 minutes prior to the opening of Pit Exit for their respective sessions.

## **18) Practice starts**

- 18.1 Practice starts may only be carried out on the asphalt on the right-hand side of the fast lane at the pit exit and, for the avoidance of doubt, this includes any time the pit exit is open for the race.
- 18.2 Drivers should take no more than five seconds to prepare for their car for a practice start if any cars are waiting behind them.
- 18.3 For reasons of safety and sporting equity, cars may not stop in the fast lane at any time the pit exit is open without a justifiable reason (a practice start is not considered a justifiable reason).
- 18.4 For reasons of safety and sporting equity, at any time the pit exit is open and when practice starts are permitted to be carried out, any car who wishes to perform a practice start must form up in a line and leave in the order they got there unless another car is unduly delayed.

## **19) Lines or bollards at the Pit Entry and Pit Exit**

- 19.1 In accordance with Chapter 4 (Section 5) of Appendix L to the ISC drivers must keep to the right of the solid white line at the pit exit when leaving the pits.
- 19.2 For safety reasons, drivers must keep to the right of bollard at the pit entry when they are entering the pits. Additionally, drivers must keep to the left of the bollard at the pit entry adjacent to the pit lane speed limit sign.
- 19.3 There is a small warning light panel on the left-hand side at the pit entry which will be operated if a car is stopped or going slowly around the corner of the pit entry.
- 19.4 Except in the cases of force majeure (accepted as such by the Stewards), the crossing by any part of the car, in any direction, of the painted area between the pit entry and the track, by a driver who, in the opinion of the Stewards, had committed to entering the pit lane is prohibited.
- 19.5 The dotted white line across the pit entry and the pit exit is the track edge line.

## **20) DRS**

- 20.1 DRS Detection will be automatically disabled in each individual zone if any of the light panels in that particular zone are displaying yellow. The zone and corresponding light panels are as follows:
  - a) Zone 1: Panels 11, 12, 13
  - b) Zone 2: Panels 20, 1, 2, 3
  - c) Zone 3: Panels 4, 5, 6

## **21) Track Limits**

### **21.1 Turns 1, 2, 3**

- a) Any driver who leaves the track on the left-hand side between Turns 1 and 2, or who passes to the left of the bollard on the apex of Turn 2, must re-join the track by driving around the end of the fluorescent yellow kerb sections on the left-hand side between Turns 2 and 3.

### **21.2 Turn 4 - Escape Road**

- a) If a driver overshoots the corner at Turn 4 there is a small road to the left of the asphalt run-off area which leads back on to the track prior to Turn 6. Please ensure that your drivers use this when necessary.

### **21.3 Turn 8**

- a) Any driver whose car passes completely behind the red and white kerb on the apex of Turn 8 must re-join the track by keeping wholly to the right of the two bollards parallel to the track on the exit of Turn 8.

### **21.4 Turn 11 Apex**

- a) Any driver whose car passes completely behind the red and white kerb on the apex of Turn 11 must re-join the track by keeping to the right of the first polystyrene block arrangement and then wholly to the left of the second polystyrene block parallel to the track on the exit of the corner. *See attached updated image 1.*
- b) A lap time achieved during any practice session or the race by leaving the track and failing to negotiate Turn 11 by using the track, will result in that lap time being invalidated by the stewards.

### **21.5 Turn 11 Exit**

- a) A lap time achieved during any practice session or the race by leaving the track on the exit of Turn 11, will result in that lap time being invalidated by the stewards

### **21.6 General - Turn 11 Apex and Turn 11 Exit**

- a) Each time any car fails to negotiate Turn 11 Apex, or Turn 11 Exit by using the track, teams will be informed via the official messaging system.
- b) On the third occasion of a driver failing to negotiate Turn 11 Apex and/or Turn 11 Exit by using the track during the race, he will be shown a black and white flag, any further cutting will then be reported to the stewards. For the avoidance of doubt this means a total of three occasions combined not three at each corner.
- c) In all cases detailed in Article 21 above, the driver must only re-join the track when it is safe to do so and without gaining a lasting advantage.
- d) The above requirements will not automatically apply to any driver who is judged to have been forced off the track, each such case will be judged individually.

## **22) Fire extinguishers around the circuit**

- 22.1 Indicated by red boards with a white letter "F" attached to the debris fences and barriers.

## **23) Places where drivers may leave the track**

- 23.1 Indicated by fluorescent orange panels on the walls or guardrails and at any location where a fire extinguisher is located.

## **24) Places to remove cars from the track**

- 24.1 Indicated by fluorescent orange panels on the barriers.
- 24.2 Should a car stop on the track during a session, the driver must keep all of their protective clothing (Helmet, Gloves, etc) on until they have returned to their garage.

## **25) Access to the grid prior to the Start Procedure**

- 25.1 To assist social distancing in accessing the grid prior to the commencement of the start procedure, Team personnel and equipment will be granted access to the grid from 1200hrs on Sunday 7<sup>th</sup> November.

## **26) Removing cars from the grid**

- 26.1 Through the gates in the pit wall, the first located adjacent to grid position 1, the second adjacent to grid position 6 and the third adjacent to grid position 18.

**27) Car number light panels for the start**

27.1 On the right-hand side of the grid.

**28) Post-race parc fermé**

28.1 All cars must enter the pit lane and, with the exception of the first three (3), should be driven directly to the weighing area at the pit entry.

28.2 The first three (3) cars must follow the post-race procedure which will be distributed prior to the start of the race.

**29) Any other business**

**Michael Masi**

**FIA Formula One Race Director**

**TURN 11 – APEX BLOCK ARRANGEMENTS**

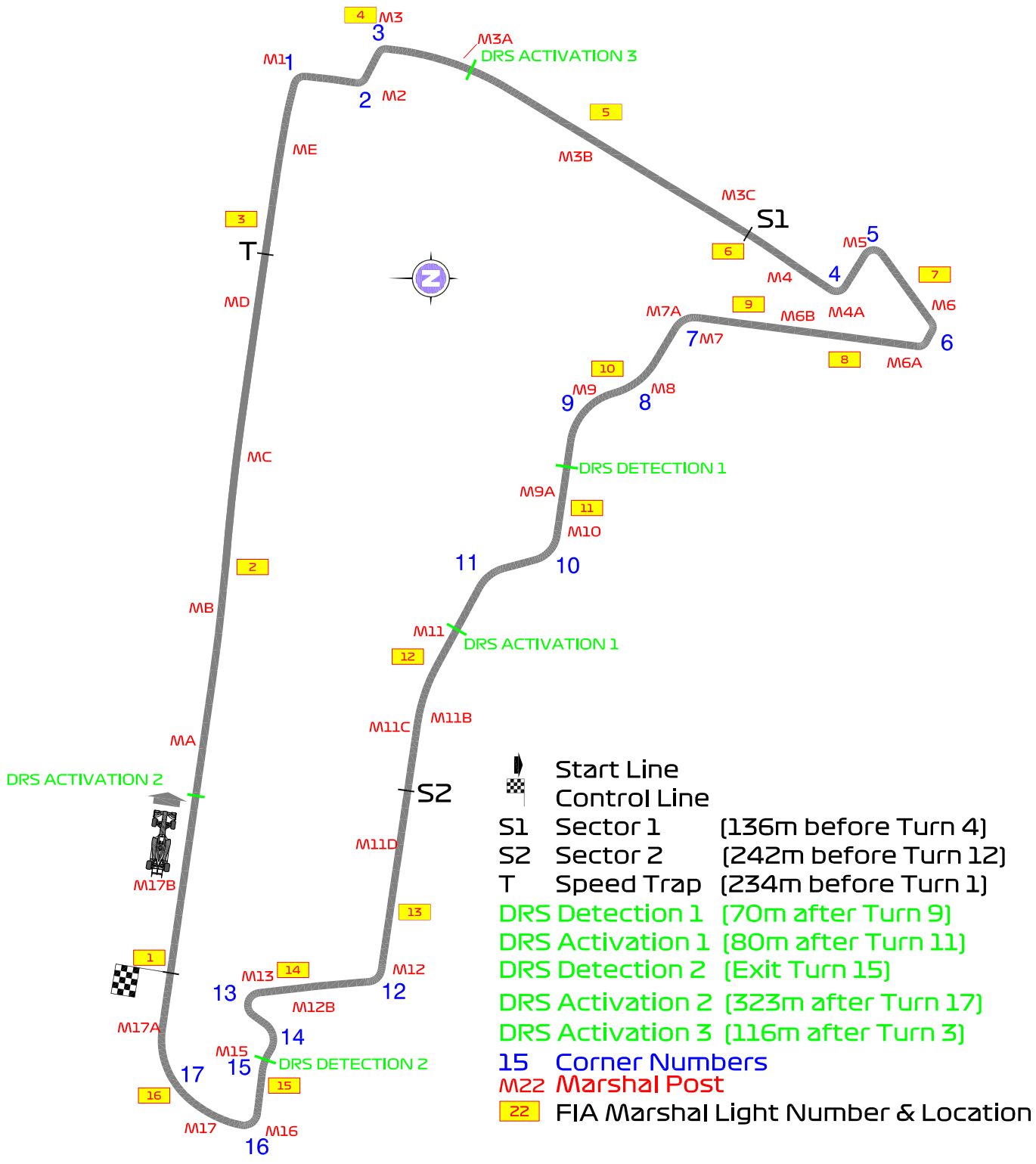






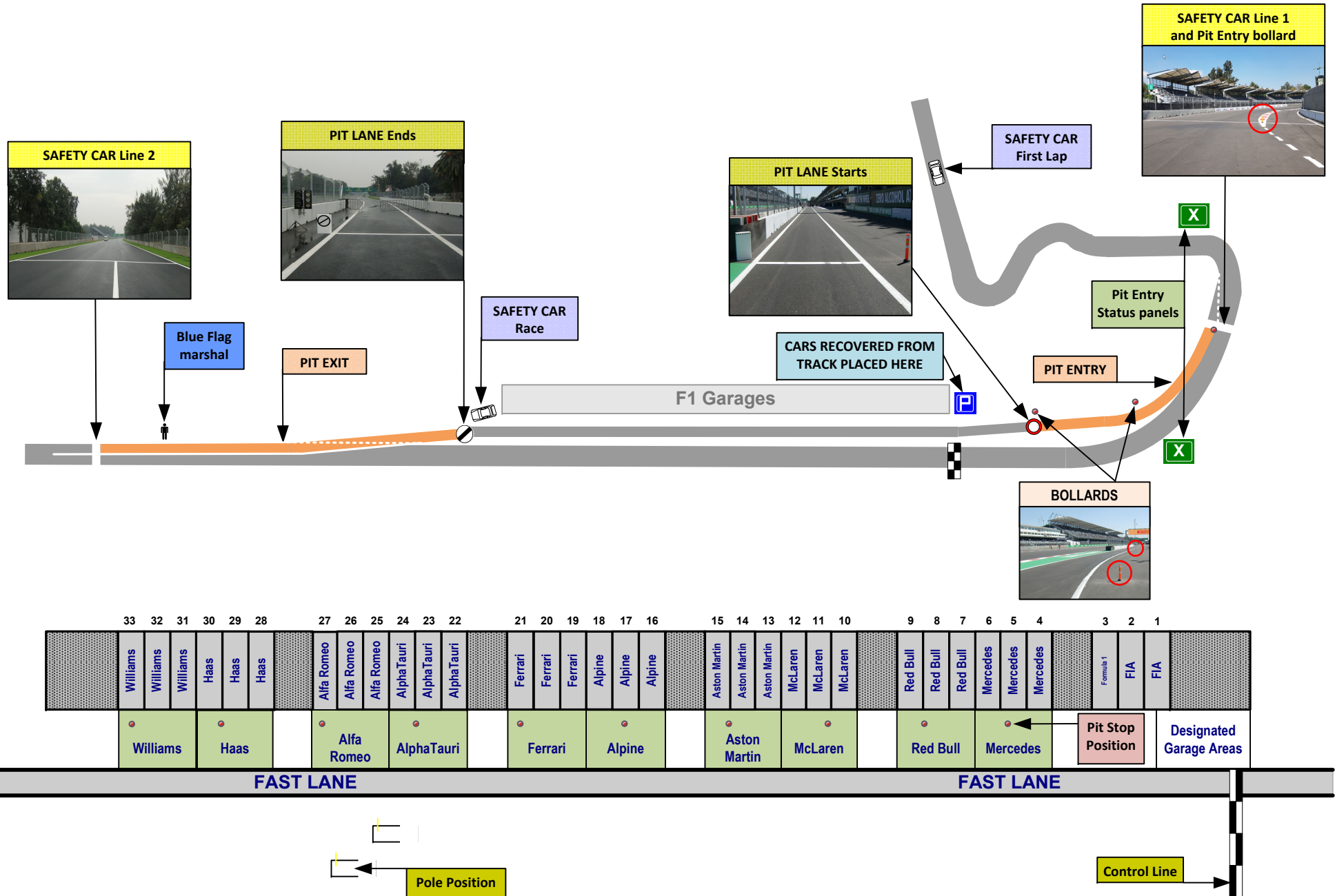
# FORMULA 1 GRAN PREMIO DE LA CIUDAD DE MÉXICO 2021 - Mexico City

## Circuit Map



- Start Line
- Control Line
- S1 Sector 1 [136m before Turn 4]
- S2 Sector 2 [242m before Turn 12]
- T Speed Trap [234m before Turn 1]
- DRS Detection 1 [70m after Turn 9]
- DRS Activation 1 [80m after Turn 11]
- DRS Detection 2 [Exit Turn 15]
- DRS Activation 2 [323m after Turn 17]
- DRS Activation 3 [116m after Turn 3]
- 15 Corner Numbers
- M22 Marshal Post
- 22 FIA Marshal Light Number & Location

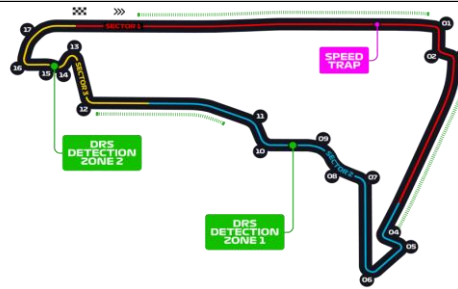
Circuit Centreline Length = 4.304km



In agreement with the FIA and in accordance with Article 24.4 a) of the F1 Sporting Regulations, this document contains the prescriptions for the operation of tyres during the following event.

Document version: 1.1 issue: A

## Grand Prix of Mexico 05/11-07/11/2021 (21R18MEX)



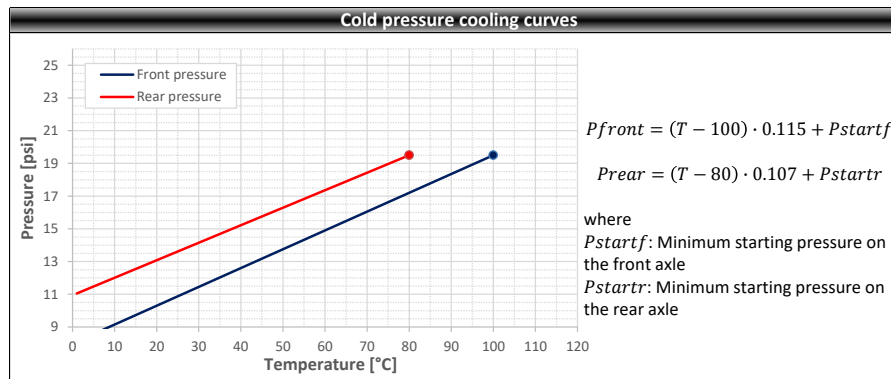
### Compounds selection

Compound	FL	FR	RL	RR	Mandatory race tyres
<b>C2</b>	2W1	2W2	6W3	6W4	<b>C2</b>
<b>C3</b>	3Y1	3Y2	7Y3	7Y4	<b>C3</b>
<b>C4</b>	4R1	4R2	8R7	8R8	<b>C4</b>
<b>Intermediate</b>	33X	35X	37X	39X	<b>Q3 tyre</b>
<b>Wet</b>	34Y	36Y	37Y	39Y	<b>C4</b>

### Prescriptions

#### Pressures, camber & blistering sensitivity

	Minimum Starting P			Expected stabilized running pressure	Camber limit	Blistering sensitivity
	Slicks	Inter	Wet			
Front	19.5 psi	20.0 psi	19.0 psi	≥20.5 psi	-3.50 °	Low
Rear	19.5 psi	20.5 psi	19.5 psi	≥20.5 psi	-2.00 °	Low



#### Maximum heating times and temperatures (tread & sidewall)

Temperature	0	60	80	100 (°C)
Slicks (front axle)	max. 3h			
Slicks (rear axle)	max. 3h			
Intermediate	max. 2h		max. 30'	
Wet	max. 2h			

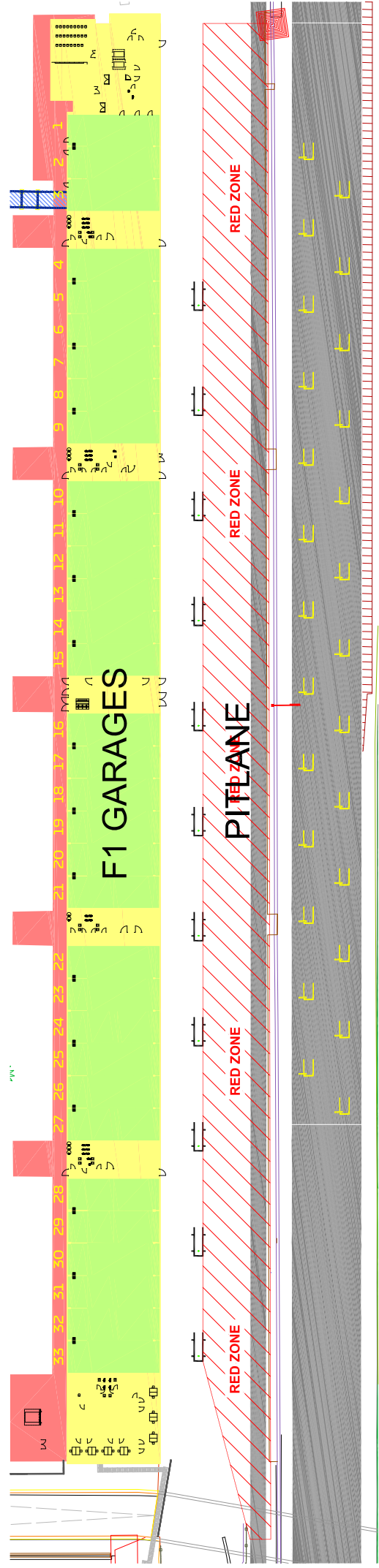
- Temperatures refer to tyre tread and side wall temperatures, not blanket or controller set-point temperatures.
- Tyres may only be heated prior to the session in which they are intended to be used.
- The temperatures apply at all times during the event.

### Tyres notes

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Not permitted to switch tyres from their originally allocated position.</li> <li>• Do not subject tyres to large deformation or heavy impact.</li> <li>• Do not leave fitted tyres exposed at an air temperature lower than 15°C and/or any UV emission.</li> <li>• Revised prescriptions could be issued during the race weekend in accordance with TD003.</li> </ul> | <ul style="list-style-type: none"> <li>• Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003</li> <li>• Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in TD003</li> <li>• <b>BLANKET HEATING TIME</b> for each temperature range to be counted from the moment the blanket control unit is set to reach its targeted temperature within its correspondent interval.</li> </ul> |
|---|---|

### General notes

- Teams are kindly reminded that the following will be subject to FIA checks during the event:
- Starting pressures
  - Cold pressures (according to the cold pressure cooling curves)
  - Re-heat pressures
  - EOS Camber
  - Maximum tyre temperatures in blankets
  - Tyre swapping



**FORMULA 1 GRAN PREMIO DE LA CIUDAD DE MEXICO 2021**  
R1.B Autódromo Hermanos Rodríguez - Mexico City - Mexico  
**NOV 05 - NOV 07**



Drawing Title		REDZONE
Drawing Number	U:\1...DRAWING\2021\MEXICO_REDZONE_21	
Drawn	Date	Scale
J. BURTON	10/09/21	N.T.S
Rev		