



## 2014 BAHRAIN GRAND PRIX

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<b>From</b>	The FIA Formula One Technical Delegate	<b>Document</b>	29
<b>To</b>	The FIA Stewards of the Meeting	<b>Date</b>	05 April 2014
		<b>Time</b>	22:11

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### **During the third free practice session:**

The tyre starting pressures of car numbers 01, 03, 44, 06, 14, 07, 08, 13, 22, 20, 27, 11, 99, 25, 26, 19, 77, 17, 04, 10 and 09 during P3 were checked.

The fuel flow of car numbers 01, 03, 44, 06, 14, 07, 08, 22, 20, 27, 11, 99, 21, 25, 26, 19, 77, 17, 04, 10 and 09 was checked.

### **Before the qualifying practice session:**

It was confirmed for all cars that gear ratios used during the remainder of this Event belong to the gear ratios declared to the FIA technical delegate at or before the first Event of the 2014 Championship.

The thickness of the brake discs of all cars taking part in the qualifying session was checked.

### **During the qualifying practice session:**

Car numbers 03, 14, 20, 27, 25, 77 and 10 were weighed.

The weight distribution was checked on car numbers 03, 14, 20, 27, 25, 77 and 10.

Car numbers 25 and 10 were checked for the following:

- 1) Bodywork around the front wheels
- 2) Front wing height and overhang
- 3) Rear wing height and overhang
- 4) Front and rear wing width
- 5) Rear wing configuration
- 6) Rear bodywork area
- 7) Rear winglet height
- 8) Stepped bottom
- 9) Diffuser height

- 10) Diffuser width
- 11) Overall height
- 12) Overall width

The tyre starting pressures of all cars during the qualifying sessions were checked.

Fuel samples were taken from car numbers 13 and 21.

**After the qualifying practice session:**

Car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77 were weighed.

Car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77 were checked for the following:

- 1) Bodywork around the front wheels
- 2) Front wing height and overhang
- 3) Rear wing height and overhang
- 4) Front and rear wing width
- 5) Rear wing configuration
- 6) Rear bodywork area
- 7) Rear winglet height
- 8) Stepped bottom
- 9) Diffuser height
- 10) Diffuser width
- 11) Overall height
- 12) Overall width

The chassis identification transponders have been confirmed for the top ten cars.

The profile of the prescribed front wing section in Article 3.7.3 of the 2014 Formula One Technical Regulations was checked on car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77.

It was confirmed for car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77 that any vertical cross section of bodywork normal to the car centre line and situated in the volumes defined in Article 3.8.4 form one tangent continuous curve on its external surface with a radius no less than 75mm.

The concave radius of sections of the two rear wing elements which are in contact with the external air stream was checked on car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77.

An asymmetric front floor deflection test was carried on car numbers 03, 06 and 11.

The front and rear brake air duct dimensions were checked on car numbers 03, 44, 06, 14, 07, 22, 20, 11, 19 and 77.

The uppermost rear wing element adjustable positions were checked on car 03, 06, 11 and 77.

The diameter of the front and rear brake master cylinders were checked on car numbers 03, 06, 11 and 77.

The pressure relief valve of the engine coolant header tank was checked on car numbers 03, 06, 11 and 77.

It was confirmed for all drivers taking part in the qualifying session that they have used their sealed power unit.

The units locking status was checked on all cars.

The session type has been confirmed for all cars.

Software version checks have been carried out on all cars.

Chassis FIA checksums were checked on all cars taking part in the qualifying sessions.

Gear shift data checks have been carried out for car numbers 06, 14 and 07.

Torque coordinator demands were checked on car numbers 03, 06, 07, 22 and 77.

The torque control was checked on car numbers 03, 06, 07, 22 and 77.

The rear brakes pressure control was checked on car numbers 03, 06, 07, 22 and 77.

During qualifying it was verified on car numbers 03, 06, 07 and 77 that the limits for electrical power and state of charge for the MGU-K and ES were not exceeded.

The maximum MGU-K torque was checked on car numbers 03, 06, 07 and 77.

The maximum MGU-H speed was checked on car numbers 03, 06, 07 and 77.

The tyres used by all drivers during the sessions today have been checked.

The fuel flow of car numbers 01, 44, 06, 14, 07, 08, 22, 11, 99, 21, 25, 26, 19, 77, 17, 04, 10 and 09 was checked.

Fuel samples were taken from car numbers 07, 22 and 11.

All the fuel samples have been checked for density and analysed by gas chromatography.

The results of fuel analyses show that the fuels were the same as ones, which had been approved for use by the relevant competitors prior to the Event.

Further the density change of the fuel samples taken today was within the permitted limits.

The following software versions have been used by the teams during the qualifying sessions:

<b>Team</b>	<b>FIA Standard ECU system version</b>
Caterham	SR626
Ferrari	SR626
Force India	SR626
Lotus	SR626
Marussia	SR626
McLaren	SR627
Mercedes	SR626
Red Bull	SR626
Sauber	SR626
Toro Rosso	SR626
Williams	SR627

All the above items were found to be in conformity with the 2014 FIA Formula One Technical Regulations.

**Jo Bauer**

**The FIA Formula One Technical Delegate**