



## 2016 SPANISH GRAND PRIX

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<b>From</b>	The FIA Formula One Technical Delegate	<b>Document</b>	32
<b>To</b>	The FIA Stewards of the Meeting	<b>Date</b>	15 May 2016
		<b>Time</b>	17:51

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### Technical Delegate's Report

#### Before the race:

A front wing deflection test was carried out on car numbers 03, 11 and 14.

A front wing flap deflection test was carried out on car numbers 44, 03, 11 and 14.

A fuel sample was taken from car numbers 27, 26 and 22 and analysed during the race.

On the grid it was checked that all cars had fitted their tyres when the "3-Minutes" signal was given.

On the grid it was checked that the top ten cars had fitted the tyres which they had used when doing their fastest lap in Q2.

On the grid the temperature and minimum tyre starting pressure of the LHS and RHS rear tyre was checked on car number 77.

#### After the race:

The following cars were weighed:

<b>Number</b>	<b>Car</b>	<b>Driver</b>
05	Ferrari	Sebastian Vettel
07	Ferrari	Kimi Räikkönen
19	Williams Mercedes	Felipe Massa
77	Williams Mercedes	Valtteri Bottas
03	Red Bull Racing TAG Heuer	Daniel Ricciardo
33	Red Bull Racing TAG Heuer	Max Verstappen
11	Force India Mercedes	Sergio Perez
20	Renault	Kevin Magnussen
30	Renault	Jolyon Palmer
26	STR Ferrari	Daniil Kvyat

55	STR Ferrari	Carlos Sainz
09	Sauber Ferrari	Marcus Ericsson
12	Sauber Ferrari	Felipe Nasr
22	McLaren Honda	Jenson Button
94	MRT Mercedes	Pascal Wehrlein
88	MRT Mercedes	Rio Haryanto
21	Haas Ferrari	Esteban Gutierrez

The steering wheel of all classified cars has been checked.

Car numbers 07, 19, 77, 03, 26 and 22 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) Skidblock thickness
- 9) Stepped bottom
- 10) Diffuser height
- 11) Diffuser area
- 12) Overall height
- 13) Overall width

The front and rear brake air duct dimensions were checked on car numbers 07, 19, 77, 03, 26 and 22.

The inclination, the diameter and the position of the last 150mm of the exhaust tailpipes were checked on car numbers 07, 19, 77, 03, 26 and 22.

It was checked that no classified car exceeded 80 km/h when leaving the formation grid prior to the start of the race.

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 checksum was checked on all cars taking part in the race.

Clutch bite point checks according to TD/016-16 have been carried out on all cars.

Single clutch paddle use for the race start has been checked on all cars.

The start data of car numbers 19, 77, 03, 33, 27 and 26 have been checked.

The ES state of charge on-track limits were checked on car numbers 07, 77 and 33.

The ES use during pit stops was checked on car numbers 07, 77 and 33.

The lap energy release and recovery limits were checked on car numbers 07, 77 and 33.

The MGU-K use at the race start was checked on car numbers 07, 77 and 33.

The maximum MGU-K speed was checked on car numbers 07, 77 and 33.

The maximum MGU-K torque was checked on car numbers 07, 77 and 33.

The MGU-K power limits were checked on car numbers 07, 77 and 33.

The maximum MGU-H speed was checked on car numbers 07, 77 and 33.

The ERS lap energy limits were checked on car numbers 05, 07, 19, 33, 27, 11, 22, 08 and 21.

The radio communications were checked on all cars.

It was checked that car numbers 07, 33, 11 and 22 did not exceed 15000 rpm during the race.

The fuel pressure of car numbers 07, 33, 11 and 22 during the race was checked.

The logged pressure within the engine cooling system during the race was checked on car numbers 07, 33, 11 and 22.

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

The fuel temperature of car numbers 05, 07, 19, 33, 27, 11, 22, 08 and 21 was checked.

The instantaneous fuel flow of all cars was checked.

The total fuel mass used by every classified car during the race was checked.

Fuel system pressures of all cars during the race were checked.

A fuel sample was taken from car numbers 07, 33 and 11.

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

The results of all the 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.

All car weights and the items checked were found to be in conformity with the 2016 FIA Formula One Technical Regulations.

**Jo Bauer**

**The FIA Formula One Technical Delegate**