



# 2025 QATAR GRAND PRIX

## 28 - 30 November 2025

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| <b>From</b> | The FIA Formula One Technical Delegate | <b>Document</b> | 20               |
| <b>To</b>   | The Stewards                           | <b>Date</b>     | 28 November 2025 |
|             |  | <b>Time</b>     | 22:50            |

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### Technical Delegate's Report

#### Before the first free practice session:

The exhaust system components of all cars were checked against the declaration submitted by the relevant team before the start of the Competition.

#### During the first free practice session:

The tyre starting pressures of all cars during P1 were checked.

The engine high rev limit bands were checked on all cars.

The fuel flow meter calibration checksum was checked on all cars.

The instantaneous fuel mass flow of all cars was checked.

The partial load fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

The plenum temperature of all cars was checked.

The exhaust fluid mass flow of all cars was checked.

#### After the first free practice session:

Car number 10 was weighed.

The fuel pressure of all cars during the first free practice session was checked.

The logged pressure within the engine cooling system during the first free practice session was checked on all cars.

The IVT code and calibration checksums were checked on all cars.

The IVT temperatures were checked on all cars.

The ES state of charge on-track limits were checked on all cars.

The lap energy release and recovery limits were checked on all cars.

The MGU-K power limits were checked on all cars.

The maximum MGU-K speed was checked on all cars.

The maximum MGU-K torque was checked on all cars.

The maximum MGU-H speed was checked on all cars.

The MGU-K power model was checked on all cars.

The ES power model was checked on all cars.

The torque coordinator demands were checked on all cars.

The torque control was checked on all cars.

The custom software versions were checked on all cars.

An engine oil sample was taken from car number 43.

### **Before the Sprint Qualifying session:**

A fuel sample was taken from car number 05.

An engine oil sample was taken from car number 05.

It was confirmed for all cars that the gear ratios used during the remainder of this Competition belong to the gear ratios declared to the FIA technical delegate at or before the first Competition of the 2025 Championship.

### **During the Sprint Qualifying session:**

Car numbers 22, 18, 43, 06 and 30 were weighed.

The weight distribution was checked on car numbers 22, 18, 43, 06 and 30.

The uppermost rear wing element adjustable positions were checked on car number 44.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car number 44.

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

### **After the Sprint Qualifying session:**

Car numbers 81, 04, 16, 01, 22, 63, 12, 14, 23 and 55 were weighed.

The following aerodynamic component or bodywork areas were checked on car numbers 63, 14 and 23:

- Floor Body - TR Article 3.5.1
- Floor Fences - TR Article 3.5.2
- Floor Edge Wing - TR Article 3.5.3
- Bib - TR Article 3.5.4
- Nose - TR Article 3.6.1
- Forward Chassis - TR Article 3.6.2
- Mid Chassis - TR Article 3.6.3
- Mirror Housing - TR Article 3.6.4
- Sidepod - TR Article 3.7.1
- Coke Panel - TR Article 3.7.2
- Engine Cover - TR Article 3.7.3
- Front Wing Profiles - TR Article 3.9.1
- Front Wing Endplate body - TR Article 3.9.2
- Front Wing Tip - TR Article 3.9.3
- Front Wing Diveplane - TR Article 3.9.4
- Front Wing Endplate - TR Article 3.9.5
- Rear Wing Profiles - TR Article 3.10.1
- Rear Wing Beam - TR Article 3.10.3
- Rear Wing Endplate Body - TR Article 3.10.4
- Rear Wing Tip - TR Article 3.10.5
- Rear Wing Endplate - TR Article 3.10.7

The uppermost rear wing element adjustable positions were checked on car numbers 81, 04, 16, 01, 22, 63, 12, 14, 23 and 55.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 81, 04, 16, 01, 22, 63, 12, 14, 23 and 55.

The fuel pressure of all cars during the qualifying session was checked.

The logged pressure within the engine cooling system during the qualifying session was checked on all cars.

The engine high rev limit bands were checked on all cars.

Fuel flow meter calibration checksums were checked on all cars.

The instantaneous fuel mass flow of all cars was checked.

The partial load fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

The plenum temperature was checked on all cars.

The exhaust fluid mass flow of all cars was checked.

The IVT code and calibration checksums were checked on all cars.

The IVT temperatures were checked on all cars.

The ES state of charge on-track limits were checked on all cars.

The lap energy release and recovery limits were checked on all cars.

The MGU-K power limits were checked on all cars.

The maximum MGU-K speed was checked on all cars.

The maximum MGU-K torque was checked on all cars.

The maximum MGU-H speed was checked on all cars.

The MGU-K power model was checked on all cars.

The ES power model was checked on all cars.

The torque coordinator demands were checked on all cars.

The torque control was checked on all cars.

The session type has been confirmed for all cars.

Chassis FIA checksum was checked on all cars taking part in the qualifying sessions.

Torque sensor software version checks have been carried out on all cars.

Torque sensor calibration checks have been carried out on all cars.

The rear brakes pressure control was checked on all cars.

The steering wheel of all cars has been checked.

It was verified on all cars that the PCU dash board display configuration was not changed.

Custom software version checks have been carried out on all cars.

SECU software version checks have been carried out on all cars.

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

The tyres cold pressure was checked on car numbers 16 and 22.

A fuel sample was taken from car number 23.

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 Competition.

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

An engine oil sample was taken from car number 23.

The engine oil samples have been analysed by FTIR spectroscopy and viscometry.

The results of the FTIR analyses show that the sampled oils were consistent with reference engine oil samples which had been approved for use by the relevant competitors prior to the Competition.

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

| <b>Team</b>                            | <b>FIA Standard ECU system version</b> |
|--|--|
| McLaren Formula 1 Team                 | SR1707                                 |
| Scuderia Ferrari HP                    | SR1707                                 |
| Oracle Red Bull Racing                 | SR1707                                 |
| Mercedes-AMG PETRONAS Formula One Team | SR1707                                 |
| Aston Martin Aramco Formula One Team   | SR1707                                 |
| BWT Alpine Formula One Team            | SR1707                                 |

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| MoneyGram Haas F1 Team                      | SR1707 |
| VISA Cash App Racing Bulls Formula One Team | SR1707 |
| Atlassian Williams Racing                   | SR1707 |
| Kick Sauber F1 Team                         | SR1707 |

All the above items were found to be in conformity with the 2025 FIA Formula One Technical Regulations.

**Jo Bauer**

**The FIA Formula One Technical Delegate**