ENDURANCE COMMITTEE

TO: ☒ Teams ☒ Manufacturers

CATEGORY: ☐ LMP1 ☒ LMP2 ☐ LMGTE Pro ☐ LMGTE Am

DECISION N°: **WEC_1920-D0020-LMP2-Engine important information**

DATE: 08/08/2019 **FROM:** The Endurance Committee

SUBJECT: LMP2 Engine important information

APPLICABLE REGULATION

☒ *2019 Technical Regulations for Prototypes LMP2 for cars homologated in 2017*

DECISION

Engine

- The engine must be used within the limits imposed by the engine supplier and described in the ''2017-2020 LMP2 Engine Manual'';
- Gibson support will be provided for all official events and included in the lease fees;
- Gibson support will be 2 persons per group of 6 cars
    o This support cannot provide performance work;
- No support is allowed for private testing;
- Extra support can be provided for ''collective'' test
    o Definition of a "Collective test": any test that is approved by FIA/ACO as such. Criteria for eligibility are:
        • Request for such a test to be sent to FIA/ACO with a minimum notice of 15 days;
        • Test to be available to all cars;
        • Have a minimum number of 10 cars having accepted the Gibson support.
    o Gibson mission on such a test will be:
        • No performance work;
        • No dedicated support;
        • Cost of support (€780 plus expenses per engineer /day) shared with a maximum number of support personnel of 2 persons per 6 cars;
        • Availability of spare parts, including one engine where possible;
        • No support to teams that haven't accepted the paid support.

Electronic

As general information, please find below what has been required from FIA/ACO :
- Electronic kit can be bought either by the constructor, either by the team;
- Teams cannot ask for any specific on-track support;
- One complete electronic kit to be in deposit sale per chassis constructor. Charged only when sold.
- One complete electronic kit per championship deposited with the engine supplier to be used as test kit to check if teams' parts are working. The parts do not need to be new.

As a reminder, please find below the responsibility dispatch for the electronics parts in LMP2 2018 *(see drawing below)* :
- All the softwares of the common electronic package (MQ12Di, IPS32, CCW mk2, RSP20, RLU) will be checked at each race.

Only the homologated software versions will be allowed. It is the responsibility of the team to ensure they use the good softwares.

- MQ12Di calibration maps: Gibson, Cosworth and chassis manufacturers parts are locked by FIA/ACO.

Only the team part is free. The entire calibration map is under the responsibility of the team. They have to ensure all locked calibration parts are the good one.

- IPS32 configuration is locked by the chassis manufacturers.
- Logging tables are free to be defined by the team.
- Toolset Math channels are free to be defined by the team.
- RSP20 & CCW mk2 setup are free to be defined by the team.

Also, following some questions from teams, please consider that for official tests, FIA/ACO will require:

- o Mandatory electronic system to be entirely used
- o Homologated sensors to be used (as per chassis homologation document)
- o Use of additional/replacement sensor and/or electronic box is forbidden

We also would like to clarify the naming convention for the CalTool dataset name.
Everyone is using the same numbering and abbreviations, however, there are slight differences in terms of spacing etc…
Below is the description of the naming convention that we come up with.

Please use this from now on: **VXXXXGaaaYYbbb_ZZcc**.cds

- o **XXXX** – Version of the ECU code e.g. 12-33 ☐ 1233
- o **aaa** – Gibson version number 00 – 999. Should also be written into parameter "Dataset Version A" in CalTool and then can be seen in channel "Dataset Version A" in the logged data.
- o **YY** – Manufacturer's abbreviation. Da = Dallara, On = Onroak, Or = Oreca, Ri = Riley
- o **bbb** – Manufacturer's version number 000-999. Should also be written into parameter "Dataset Version B" in CalTool and then can be seen in channel "Dataset Version B" in the logged data.
- o **ZZ** – Car number 00-99.
- o **cc** – Team's version number 00-99.
- o **ZZcc** - Should also be written into parameter "Dataset Version C" in CalTool and then can be seen in channel "Dataset Version C" in the logged data.

The entire dataset name should always has 19 characters excluding Extension (.cds)
Examples:
"V1233G023Ri011_4301.cds"
"V1233G021Or011_3101.cds"

For equitable Traction Control Parameters, the following parameters should be setup as:

Goodyear
- **Front wheel diameter A : 677**
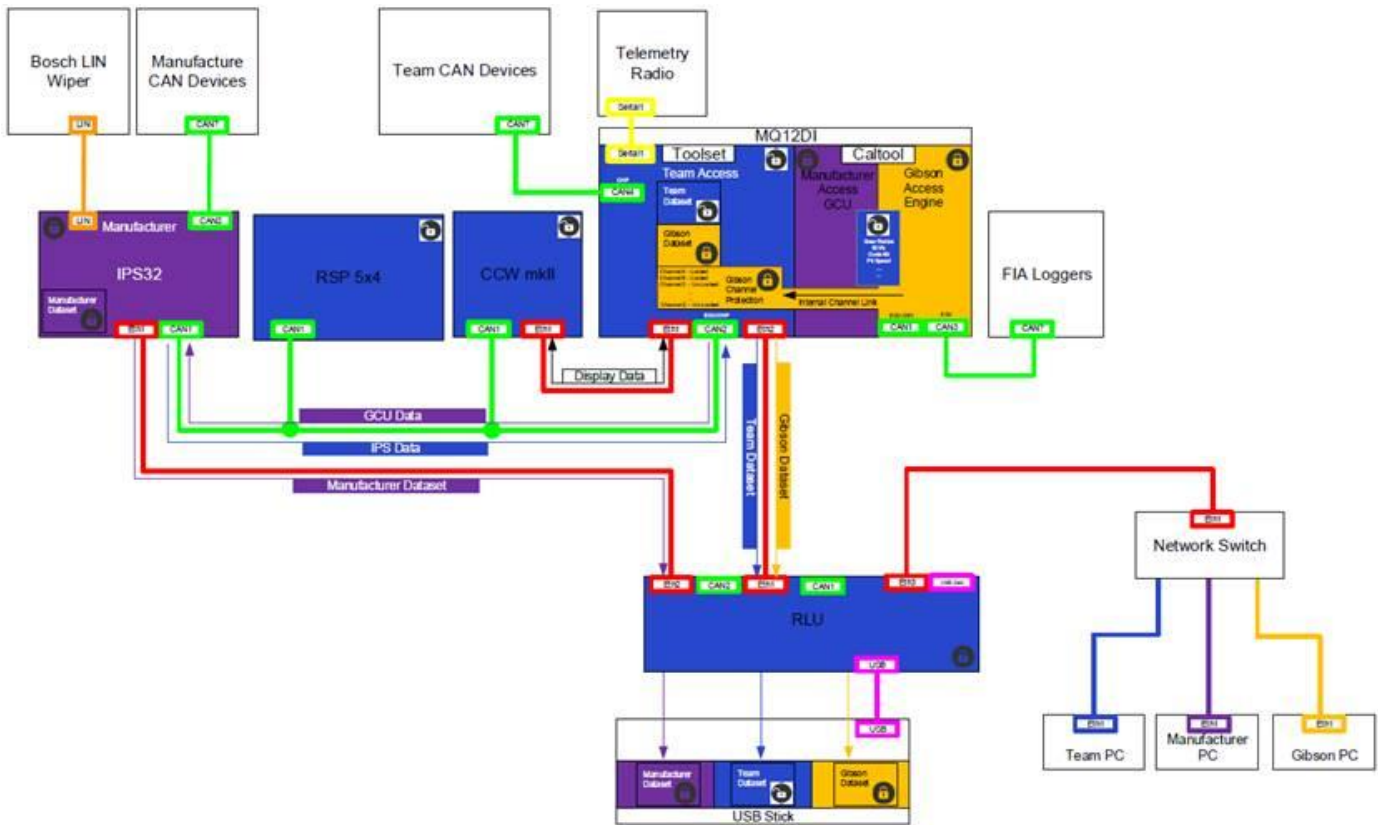- **Front wheel diameter B : 677**

- **Rear left wheel diameter A: 699**
- **Rear left wheel diameter B: 699**

- **Rear right wheel diameter A: 699**
- **Rear right wheel diameter B: 699**

Michelin
- **Front wheel diameter A : 679**
- **Front wheel diameter B : 679**
- **Rear left wheel diameter A: 706**
- **Rear left wheel diameter B: 706**

- **Rear right wheel diameter A: 706**
- **Rear right wheel diameter B: 706**

PERIOD OF VALIDITY/APPLICATION OF THE DECISION

This decision comes into effect:
    ☒ **with immediate application**
    ☐ from:

And is applicable:
    ☒ **until further notice**
    ☐ for the mentioned Competition(s) only: