

## Technical Regulations 2019 Peugeot Rally Cup Iberica



VISA FPAK nº 504T/PRCI /2019

Emitido em: 04/02/2019



## CONTENT

### INTRODUCTION

#### ARTICLE 1

Definition and identification of the eligible vehicle

#### ARTICLE 2

Scrutineering and Technical Inspections

#### ARTICLE 3

Integrated Roll Cage

#### ARTICLE 4

Engine, Fuel and Engine Calibration

#### ARTICLE 5

Lubricants

#### ARTICLE 6

Transmission

#### ARTICLE 7

Suspension and Brakes

#### ARTICLE 8

Tires

#### ARTICLE 9

Weight

#### ARTICLE 10

Equipment

### CONTACTS

## INTRODUCTION

This Technical Regulations were registered at FPAK (Federação Portuguesa de Automobilismo e Karting) with the FPAK VISA Nº **504/PRC/2019** approved at: **04/02/2019**

This Technical Regulations were written so that it describes what is allowed and not what is forbidden. The reader should always have in mind that modifications are forbidden, unless they are expressly allowed by the following:

- Peugeot Rally Cup Iberica Technical Regulations;
- Appendices and Bulletins to this Technical Regulations;
- 208 R2 Assembly and Technical Bulletins.

The Technical Regulations and Appendices will be published at [www.fpak.pt](http://www.fpak.pt). The Assembly Technical Bulletins and the Technical Bulletins will be published at the Technical Documentation section at [www.peugeot-sport-store.com](http://www.peugeot-sport-store.com).

The worn or damaged components can only be replaced by Peugeot original parts (in case of original or standard parts), by Peugeot Sport or with Peugeot Sport parts (specific parts) from the Peugeot Sport parts catalogue for 208 R2.

The competitors are entirely responsible for the technical conformity of their vehicle during the 2019 Peugeot Rally Cup Iberica, since the initial scrutineering until the official results publishing.

Every works or procedures done on the vehicle should be done according the Peugeot described procedures (in case of original or standard parts), or according Peugeot Sport (specific parts) and in strict compliance with the Technical Regulations.

The organiser reserves the right to change the 208 R2 technical specifications or the 2019 Peugeot Rally Cup Iberica Technical Regulations. The competitors will be informed about those changes by bulletins to the regulations at the FPAK website ([www.fpak.pt](http://www.fpak.pt)).

## **ARTICLE 1**

Definition and identification of the eligible vehicle.

### **1.1 Vehicle type**

Only the Peugeot 208 R2 is allowed to compete on the Peugeot Rally Cup Iberica.

All 208 R2 will be assembled using specific 208 R2 kit parts and R2 Options commercialised by Peugeot Sport, and original parts of the standard vehicle, according application instructions and this Technical Regulations.

The use of any parts not included on the 208 R2 kit or 208 R2 Options is forbidden (examples: quick-release fastenings, steel plates – thermal shields, etc...).

The following parts can be freely used according the regulations published by FPAK:

- Driver and Co-Driver foot rest;
- Windscreen washer tank and pump;
- Bumpers fastening;
- Trip meters and its fastening;
- Co-Driver light and its fastening;
- Hydraulic jack and its fastening;
- Mud Flaps.

The vehicle has to comply with the technical regulations issued by FPAK and the Homologation Form FIA Nr. A-5743 (VR2B), including the last Homologation Form Extensions and the last Bulletins for each event.

## **ARTICLE 2**

Scrutineering and Technical Inspections

### **2.1 Scrutineering**

On the first scrutineering, the scrutineers will check the safety equipment, identification elements and parts sealing.

At each event scrutineering, any comments must be written on the vehicle's technical passport. The issues written on the technical passport must be corrected by the competitor before the next event initial scrutineering.

## 2.2 Technical Inspections

Any technical inspection, at any time during the 2019 Peugeot Rally Cup Iberica, could be done in order to assure the compliance with the Technical Regulations. So, the scrutineers can perform verifications, comparisons, take samples or do any performance measure to any vehicle component to check its compliance with the Technical Regulations.

### ARTICLE 3

Integrated Roll Cage in accordance with FH A-5743.

The bodywork and its roll cage compose a FIA approved and homologated safety equipment.

Any modification to the roll cage is forbidden.

The forbidden modifications include machining, welding or treatment on the roll cage which results in a permanent change to the used material or its manufacturing.

Roll cage repairs are forbidden.

Any damaged roll cage should be replaced.

The chassis identification number must be clearly, It shall be possible to clearly identify the vehicle and the number of chassis (bodywork) shall correspond to a specific number of the safety cage (Rollbar) which is engraved on the tubes that make up the safety cage in accordance with FH A-5743 on 01 / 01VO.

### ARTICLE 4

Engine, Fuel and Engine Calibration

#### 4.1 Engine Sealing and Approval

Any engine used to compete on 2019 Peugeot Rally Cup (208 R2) Ibérica must have been assembled or serviced and sealed by Peugeot Sport, via its partners (Oral Engineering or Sodemo).

The engines should be sealed by Peugeot Sport or its partners.

Any competitor which its 208 R2 isn't properly sealed and with the seals in perfect condition (engine valve cover or sump, including the engine number) will not be authorized to compete on 2019 Peugeot Rally Cup Iberica.

Every seals are competitors responsibility.

However, independently from the engine sealings exhibit, its presence isn't a proof of the engine compliance. Consequently, in the context of scrutineering, the engine performance characteristics could be checked and, therefore, the engine can be disassembled.

If a competitor needs to change a seal during an event (to perform mechanical works, for example), he must inform in advance the 2019 Peugeot Rally Cup Iberica delegate scrutineer.

Any seal removal during an event without the scrutineer presence, its approval or, if not possible, a Peugeot Sport team member, will result in the competitor exclusion of that 2019 Peugeot Rally Cup Iberica event.

#### **4.2 Maintenance**

Peugeot Sport will not seal any 208 R2 engine that weren't manufactured or serviced by them.

#### **4.3 Fuel**

It is only allowed unleaded 98 octane gasoline available on public fuel stations. The competitors must take all the necessary measures to ensure that a fuel sample, of a minimum of 4 litres, could be taken off the vehicle fuel tank during an event for fuel analysis purpose.

The fuel samples will be performed and analysed in compliance with the described procedure present at Prescrições Gerais da FPAK.

#### **4.4 Engine Calibration**

Only the specific engine calibration for unleaded 98 octane gasoline is allowed.

#### **4.5 Engine Control Unit and Data Acquisition**

The engine control unit Magneti-Marelli SRA could not be moved from its original position.

During the event, the access to this unit must be available to the scrutineers at any time.

When connecting to this unit, the scrutineers will have access to the data stored in it so they can check if the vehicle is in compliance.

Is a competitor responsibility to ensure that the ethernet connection and the wiring are in perfect operating conditions.

Is forbidden to delete the saved data on the engine control unit during a 2019 Peugeot Rally Cup Iberica event (since the initial scrutineering to the final scrutineering).

## ARTICLE 5

### Lubricants

The use of the following lubricants is mandatory:

- Engine oil: Total Quartz Ineo First 0w30 (ref.: PS97727A10);
- Gearbox oil: Total H50168B (ref.: 1C2340626A);
- Power Steering fluid: Total Fluide LDS (ref.: 1615099680).

## ARTICLE 6

### Transmission

It's allowed the usage of any transmission technical specification present in the specification sheet.

The final drive ratio is free.

There's no limit for the differential friction shims, provided it is between the specified number by the homologation approval.

## ARTICLE 7

### Suspension and Brakes

#### 7.1 Suspension

The adjustment of the suspension setup and geometry is allowed provided only the adjustable parts commercialized by Peugeot Sport for 208 R2 are used, in compliance to the specification sheet for the event.

Only the Peugeot Sport commercialised dampers for 208 R2 are allowed. Any change is forbidden either on the inside or outside of the damper, in compliance with the specification sheet.

The front and rear anti-roll bars specified for a given type of surface in the specification sheet could be disconnected or removed.

The front anti-roll system is described on the page 9 of the 208 R2 manual (E10, front suspension).

The rear anti-roll system is described on the page 8 of the 208 R2 manual (E20, rear suspension).

#### 7.2 Brakes

The usage of the brake discs indicated on the specification sheet for the different types of surface is mandatory.

Regarding to the brake pads, the brake pads from the Mintex manufacturer will be the only ones allowed, with a Peugeot Rally Cup Iberica specific marking.

## ARTICLE 8 – TIRES

### 8.1. Tarmac Events

The competitors could use up to 10 tires previously registered by the manufacturer Pirelli, on the first event.

For the rest of the events, in events with 200 kilometers or less, the competitors could use 8 new tires plus 2 tyres marked from previous events.

For events with more than 200 kilometers, the competitors could use 10 new tyres plus 2 tyres marked from previous events.

The tire compounds for each event are the ones available on the supplier for each one.

Authorised dimensions: 195/50 R16.

Types: RK5, RK7, RKW7.

### 8.2. Gravel Events:

The competitors could use up to 10 tires previously registered by the manufacturer Pirelli, on the first event.

For the rest of the events, in events with 200 kilometers or less, the competitors could use 8 new tires plus 2 tyres marked from previous events.

For events with more than 200 kilometers, the competitors could use 10 new tyres plus 2 tyres marked from previous events.

The tire compounds for each event are the ones available on the supplier for each one.

Authorised dimensions: 185/70R15

Types: K4, K6

During the 2019 Peugeot Rally Cup Iberica events, chemical treatments to the tire surface or the use of tires heating equipment (tire warmers, for example) are forbidden.

The events in Portugal are governed by the regulations of Prescrições Especificas de Ralis 2019 / FPAK

[http://www.ralis.fpak.pt/sites/default/files/ficheiros/regulamentos/2019/campeonato-portugal-ralis/perscricoes\\_especificas\\_de\\_ralis\\_2019\\_v4\\_-\\_aprovado\\_v2019\\_08.02.2019.pdf](http://www.ralis.fpak.pt/sites/default/files/ficheiros/regulamentos/2019/campeonato-portugal-ralis/perscricoes_especificas_de_ralis_2019_v4_-_aprovado_v2019_08.02.2019.pdf)

The events in Spain are governed by the regulations of Prescripciones Comunes de los Campeonatos, Copas, Trofeos y Challenges de España, Campeonato de España de Rallyes de Asfalto / REFDA 2019

<https://www.rfeda.es/prescripciones-comunes-de-los-campeonatos-copas-trofeos-y-challenges-de-espana->



The allowed tire suppliers are:

**Portugal: Q&F**

**-Q&F,Lda**

-Rua 1º de Maio 524

- 4445-245 Alfena

++351 229 699 490

E-mail: [qfgeral@qf-lda.pt](mailto:qfgeral@qf-lda.pt)

**Spain: RVR**

**MERAC RVR SERVICES, s.l.**

C/ Grecia, Nau B-30 – Pol. Ind. Constanti,

43120 Constanti,

TARRAGONA

Tel. +34 630116319

Tel. +34 608935509

E-mail: [comercial@racingservices.es](mailto:comercial@racingservices.es)

## **ARTICLE 9**

### **Weight**

#### **9.1 Minimum Weight**

The minimum 208 R2 weight is 1030Kg.

The minimum 208 R2 weight is the weight at any time during the event (excluding driver, co-driver, helmets and HANS devices, including only one spare wheel, tools and spare parts carried on the vehicle inside, with the fuel tank and the windscreen washer tank empty).

The tools and the spare parts carried inside the vehicle must be securely fastened behind the driver and co-driver seats.

The minimum 208 R2 weight with crew and equipment onboard is 1190 kg.

All the competitors must comply with these 2 weights during the event.

#### **9.2 Ballast**

The vehicle weight could be adjusted using one or more weight ballasts, regarding that

the ballast must have a one-piece solid blocks form fastened in its place using tools and positioned on the cockpit floor. The ballast must be visible and be prepared to be sealed by the scrutineers.

The competitor must inform the scrutineers at the initial scrutineering that its vehicle has weight ballast in order to have it sealed or the seal checked.

## **ARTICLE 10**

### **Equipment**

#### **10.1 Interior equipment**

According to FIA rules.

#### **10.2 Safety Equipment**

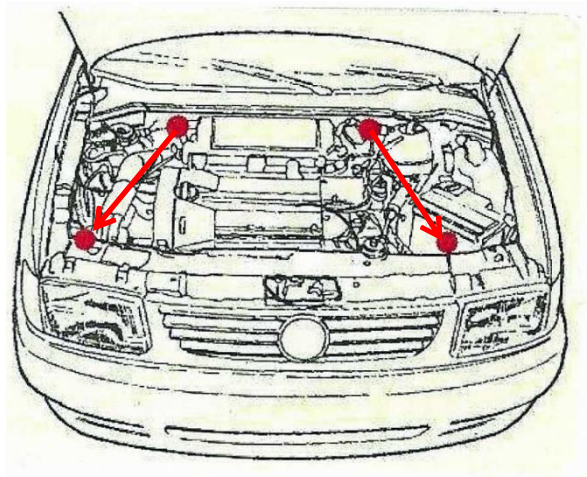
According to FIA rules.

#### **10.3. Automatic fire extinguisher assembly**

In order to comply with Appendix J, article 253-7.2.2, it is mandatory the use of anti-torpedo tabs (ref: 3T3C43572B) and the automatic fire extinguisher fastenings.

The fire extinguisher system layout must comply with the instructions specified on the manufacturer manual.

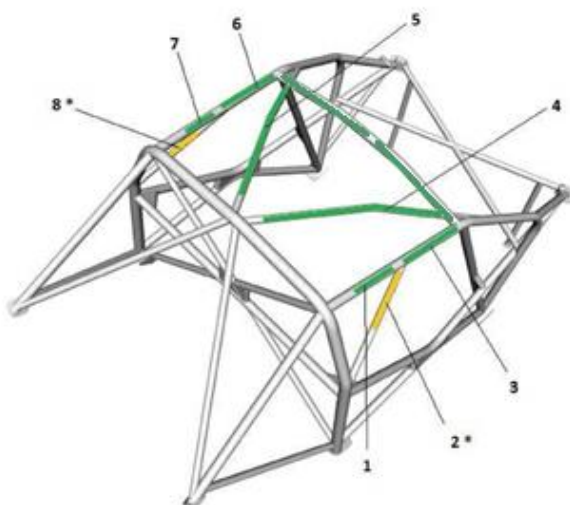
Furthermore, regarding to the engine bay, the layout must comply with the following illustration:



The use of plastic ties or clamps to fasten the extinguisher sprinklers is forbidden. It's mandatory to fasten all the extinguisher sprinklers to a solid part (plastic or metal, or equivalent) using metal ties, or bolts and nuts.

#### 10.4 Roll cage protection under the roof:

The roll cage protection padding from the FIA Technical List Nr. 23 should be applied according to Appendix J, Art. 253-8.4 and its 253-68 drawing, and as a complement to the following illustration.



Ref.	Tube Diameter (mm)	Padding Length (mm)
1	40	200
2	30	400
3	40	300
4	40	700
5	40	700
6	40	300
7	40	200
8	30	400

All the paddings should be fastened so they don't move relative to the tube.

For this, the following items can be purchased at Boutique Peugeot Sport:

- FIA padding for roll cage with 32mm of diameter (ref.: 3T3L21065A / 1 x 600mm);
- FIA padding for roll cage with 40mm of diameter (ref.: 219001-40 / 2 x 500mm).

## **CONTACTS**

### **PEUGEOT SPORT**

19 allée des Marronniers, 78035 Versailles Satory – France.  
[www.peugeot-sport.com](http://www.peugeot-sport.com)

### **SPORTS AND YOU**

Travessa da Felgueira N°65, Armazém 3 Campo,  
4440-179 Valongo - Portugal  
[www.sportsandyou.pt](http://www.sportsandyou.pt)

### **2019 Peugeot Rally Cup Iberica**

Regulations

[www.fpak.pt](http://www.fpak.pt)

Technical Documents

[www.peugeotsport-store.com](http://www.peugeotsport-store.com)

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