

HILL CLIMB

OPEN
TECHNICAL
REGULATIONS

NEW
PERFORMANCE
FACTOR



LOOKING *TO THE FUTURE*

DRAFT NEW TECHNICAL REGULATION FOR FIA HILL CLIMB CHAMPIONSHIPS

DRAFT

Introduction of "open" FIA technical regulations, including the majority of closed cars, as defined at the national or international level.

WHAT IS NEW IN CATEGORY 1?

CATEGORY 1 IS OPEN

ALL cars are allowed to enter FIA championships (provided that they comply with the FIA safety standards).

	Eligible	
	2019	2020
Cars not homologated by the FIA	✗	✓
Cars whose homologation has expired	✗	✓
Cars from Group E1	✗	✓
Cars from national groups	✗	✓
Cars from the single-make Trophies or other series (circuit, rally)	✗	✓
Cars from Groups N, A, S20 and GT, R1, R2, R3, R4 or R5 already allowed in the FIA Championships	✓	✓
Cars listed above that have been modified	✗	✓
Exception(s): Hybrid or electric cars	✗	✗

NO "GROUP"

Groups N, A, S20 and GT would be replaced.

ALL cars entered will be ranked according to their performance class.



CALCULATING THE PERFORMANCE FACTOR (Pf)

Each car has a unique race weight and performance level.

The **Pf** is determined by an overall analysis and the calculation of five components (Pc) which influence the race performance according to the following formula:

$$Pf = \frac{\text{"Race Weight"}}{Pc \text{ "Engine"} * Pc \text{ "Aero"} * Pc \text{ "Drive Train"} * Pc \text{ "Chassis"}}$$

LIMITED TECHNICAL REFERENCE DOCUMENTATION

- ✗ No car homologation form required.
- ✗ No compliance required with the prescriptions of Appendix J for the FIA groups.

BUT a shared basic technical framework for hill climbs which standardises the technical and safety requirements:

- ✓ Engine: free
- ✓ Cylinder capacity: 6500 cm³ max.
- ✓ Transmission: free
- ✓ Wheels: free
- ✓ Weight: minimum weight for cars in Category 1 defined in Article 277 of Appendix J
- ✓ Safety: equipment in compliance with the FIA standards (seat, roll bar, etc.)

NEW CONCEPT: THE PERFORMANCE FACTOR (Pf)

Each car will be identified by a number of performance points: the **Pf**.

Cars that possess similar performances will compete against each other and will be ranked at the same level.

Website : www.fiaperformancefactor.com

TO OBTAIN THE Pf OF YOUR CAR

Any driver who takes part in an FIA competition must IDENTIFY HIS CAR online and obtain the **Pf** of his car. Car identification is:

- ▶ an online procedure which takes 30 minutes maximum,
- ▶ free of charge,
- ▶ undertaken only once,
- ▶ modifiable according to the modifications made to the car during the season.

At the end of the process, the **Pf** is calculated instantly. The **Pf** indicates the performance level of the car and allows the organisers to make a simple and rapid classification.

NEW CLASSIFICATION

During the competition, the cars are grouped together and classified* according to their Pf:



**values, terminologies and classifications published only by way of general guidance*

Pf STRENGTHS

- ▶ Inclusion of a maximum number of cars in each of the classes.
- ▶ Clarified technical regulations: no ambiguity regarding the cars' eligibility.
- ▶ Simpler technical verification: the physical measures are verifiable directly at the event location.
- ▶ Possible application of the Pf concept and its development at all levels (international, national or regional): only one type of classification for the entire event.
- ▶ Simplified organisation.
- ▶ Easier understanding of the classification and the performance of the cars for the public.

WHEN?

IN 2019

- ▶ Information sent to competitors, officials, ASNs and organisers, and dissemination of guidelines.
- ▶ An online application to carry out the Pf calculation instantaneously.
- ▶ Simulation of the concept "Performance Factor (Pf)" in the FIA Championship competitions.

2020 OBJECTIVE

- ▶ Implementation of the new regulations.