

TEAM MANAGER INFORMATION 2024

Pitstop/Refuelling

Confirmation of the minimum pit stop times and rules please?

See Appendix 6 to the Supplementary Regulations. The BoP chart of the event will note the current Version of the Appendix 6 (Rules) and the Appendix 6.1 (times). Both documents are available here: www.24h-information.de

What is the tolerance for the maximum refuel (if we do a mistake and go over 113 L) during the race?

No Tolerance, see Art. 27.11 for penalty

Can you confirm we are allowed to push the car to help it leave the working area in the pit lane after a pit stop?

Yes

What is the tolerance for the minimum pit time (if we go a little below) in the race?

No Tolerance, see Art. 27.9 for penalty

REFUELLING PUMPS OPERATING TIMES: we would need to proof our fuel tank using our pit fuel pump before the start of all operations. Can You guarantee a time window where the pumps will be made operational by the marshals outside the track driving times? (ideally this question should be considered before the Team managers briefing, as maybe Wednesday morning is already a good time)

A time will be set and communicated to the teams in the Team_Schedule, provided to the teams with the entry confirmation and available for download here: www.24h-information.de

Times for 2024, Wednesday 29th May

14:30 – 15:00 Uhr Box 4-12

15:00 – 15:30 Uhr Box 13-21

15:30 – 16:00 Uhr Box 22-33

CLARIFY THE PIT TIME RULE in case of a car in pit during the rule changes minutes. Example: my car enters at 71 minutes to go and stays more than 2 minutes in the pits, so it will exit below 70 minutes

Pit in loop counts for definition Appendix 6, therefore a car which enters the Pitlane with more than 70min (remaining race time) will serve the Pit time according to column B, no matter when he does leave the Pitlane. This 70min example is true only for f.e. SP9. Other cars should replace the 70 min with the valid X time for their class.

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Do we have to respect the pit time even if there is no refuelling? Question is, if we do not have to respect the pit time in case of a defect on the car – e.g. door opens

You have to respect the minimum pit time at all times, also in case of your described emergency. The only time the minimum pit time does not need to be respected is:

- First 5 race laps (this first 5 Lap rule will only apply to SP9, SP pro and SP-X, see BoP 24h)
- With less than X min remaining race time It is permitted to remain below the minimum pit time, provided that the corresponding car is not refueled. The number of laps completed is in this case not reset.
- With less than X min remaining race time, cars which have already completed a pit stop pursuant to Art. 1.1, Art. 1.2 and Art. 1.3 after the remaining race duration of less than X minutes are no longer subject to the pit time in case of any further pit stop.

Decisive for the pit stand time is always the pit entry line? If the line is crossed by 69.59 min, we are in the window of the remaining 70 minutes?

Correct, (This 70min example is true only for f.e. SP9. Other cars should replace the 70 min with the valid X time for their class.)

Tyre Handling

On the sheet “Tyre-documentation list for race teams 24h-Race”: which time do we need to write: start of the stint or end of the stint?

Start time of the stint (Note, all relevant Teams using the Tyre App)

I cannot find anywhere in the regulations that nitrogen or dry air in the tyres is prohibited, please could you confirm that we can use either of these?

Yes you can use Nitrogen or dry air to inflate your tyres.

Top Qualifying

It is permitted to change wheels on the starting grid before the start to the warm-up lap but any heating of tyres by using tyre warmers, heater fans or similar on the starting grid is prohibited. Can you confirm that we are allowed to pass tyres to change onto the cars through the gaps in the wall or are we supposed to walk to the cars with the tyres on a trolley?

You can pass warm tires, through the gaps in the Pit Wall fences.

Can they be taken to the car with the blankets on but the blankets removed from the tyres BEFORE they are fitted to the cars? As I read the regulation, “heating of tyres by using tyre warmers, heater fans or similar on the starting grid is prohibited” means even the blankets are not allowed to be used on the tyres when fitted to the cars, is this correct?

The blankets can remain on the tyres (no active heating). For Top Qualifying Start Grid, the latest 1 min before the start of the installation lap all personnel and equipment must leave the grid.

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In 2016, in the regulations it was stated that at least 3 tyres from the 4 used in the Top 30 Qualifying had to be fitted to the car at the start of the race. The current regulations do not state this, please could you confirm that it is no longer required to use any qualifying tyres for the start of the race and that a new set can be fitted.

You can start on new Tyres.

Are Qualified cars for Top Q2 allowed to take part in Top Q1?

No they cannot

Is it allowed to pass cars during the warm-up lap (Top Qualifying)?

Yes, it is allowed to pass or even fall back. There is a maximum time limit for the installation/warm-up lap

If I have a tire failure during warm-lap (top Qualifying) on the GP circuit and enter the pitlane. I'm allowed to change the tire but do I also need to respect the max 4min pit time rule?

You are allowed to change the tire and you have to respect the max 4min pit time rule. Pit light will be green as soon as the last starting car enters the Nordschleife. You will need to do a short warm-up lap over the GP circuit only and start your only timed lap out of the Hyundai corners. After the first timed lap you will have to enter the Pitlane over the GP circuit and drive to Parc Ferme'

Starting Grid (Race)

Is it allowed to push the cars into the Grid?

Qualified cars may be pushed into the grid before the race. Cars out of the first starting group may also be pushed on "skates". Cars are not allowed to be pushed against the track driving direction, for a distance longer than 2 grid boxes. All cars need to pass the pit exit line before they enter the grid.

The heating of tyres on the starting grid is prohibited. I read this as no active heating is allowed but tyre blankets covering the tyres is allowed when the tyres are fitted to the cars, is this correct?

The blankets can remain on the tyres (no active heating). At the 3 min board car has rest on his wheels, with removed blankets. (DMSB Regulations for track races)

Miscellaneous

How can we bring our two race cars from row 2 in the paddock to the pit lane if our box is blocked: entry pit lane? Exit pit lane? other?

Gate 0 in front of Race Tower

PARC FERME LOCATION after every qualify: Q1 - Q2 – Q3 - Top Qualifying. In pits or in official Parc fermé?

After Top Qualifying the Parc Fermé is located in the paddock behind pit garages 1-3

Parc fermé: Can the cars be pushed on “skates” into the pit box? What else can be done?

It is allowed to push the cars on skates into the pit box, also when the parc fermé condition had been called already. As soon as Parc fermé is called, the car cannot be touched or worked other than:

- Pushing the car into the pit box (once parked it should not be moved anymore)
- Removing data card’s (no download permitted)

WITHDRAW OF ONE DRIVER (ref. Art. 8.7.1) Should a driver not be able to complete these 15 race laps, a written notification that the driver officially signs off must be submitted to the clerk of the course. As this happened once to us in another 24 Hours, we would like to be sure to make correct moves in case. Do you need a medical proof? Or it is enough a team’s written statement?

Team Statement is OK.

Additionally see Art. 8.7.1 - Should a driver not be able to complete these 15 race laps, a written notification that the driver officially signs off must be submitted to the clerk of the course. This driver will then not be considered for the race results and for the classification.

If the driver is unsubscribed in the event of a remaining race time of less than 2 hours, the team cannot be classified anymore.

In case of a race interruption between 6 and 10 hours, each entered driver must complete at least 7 race laps. In case of a race interruption of more than 10 hours, each entered driver must complete at least 2 race laps. (see also Art. 38.2 Classification).

If the race is interrupted for more than 7 hours, each entered driver must complete at least 7 race laps. (see also Art. 38.3 Classification)

Resumption of the race after interruption: What about the final classification: addition of the 2 parts or only the final results after 24 hours like in F1 ?

There will be one result after 24h.

If we stop Qualif 1 and Qualif 2 before the end of the sessions in order to rebuild the cars in our allocated space the paddock, is there a Parc Fermé time?

Art. 18 Parc Fermé (DMSB Regulations for track races) After the showing the chequered flag in qualifying and race, all classified cars are subject to the parc fermé regulations till the end of protest period. During this period, no work may be carried out on the vehicles.

End of Parc Fermé will be announced by the clerk of the course.

As our car is already qualified for Top Qualifying, lap times done in Q1 and Q2 are not really important.

If Top Qualification cannot be started or finished, the Q1, Q2 and Q3 Times might be needed to form the grid order.

Additionally see Art. 8.7 - All the drivers must complete the minimum of 2 timed qualifying laps.

If a car is so badly damaged that repair is difficult, could a replacement car be nominated? Would this still be possible after the administrative checks and scrutineering has been closed.

See Art 15.7

Any car which - after being passed by the scrutineers – is damaged or technically modified and/or dismantled in a way which might affect or call into question its compliance with the technical prescriptions of the present regulations and/or the safety regulations must be re-presented for the scrutineers' approval after repair to be allowed to continue in practice/ qualifying or the race. Competitors and drivers must present the car concerned without special request. After a damage or a modification of a car, the Clerk of the Course, in coordination with a scrutineer, will take a final decision on whether the car will be allowed to continue or not. After scrutineering, a vehicle change (same class, same type of vehicle) can only be made with the approval of the Stewards and following a report of the chief scrutineer. Corresponding requests can only be made until 2h before the start time of the race at the latest.

If two formation laps have to be driven because of the weather conditions, the race will be released again after the first lap, right?

All laps on the race track after the 1st formation lap (Sa. 16:00 o'clock) will count to the race result.

Art. 1.09 Engine Seals - It must be possible to apply seals between the valve cap and cylinder head as well as between the oil pan and engine block.

At present, during our engine build up, we don't fit lockwire between the sump and block. Would you like us to do this? If so, we are assembling and dyno running our race engines this week and can do it before installation.

It is not necessary to fit lock wire in advance, but the engine should be prepared in a way that it is possible to mount the lockwire.

How much fuel has to remain in the tank after all sessions?

According to the DMSB track regulations, 3L have to be always remaining in the tank for eventual fuel samples.

Further issues:

Fast lane must not be driven prior to pit light green at Q1 and Q2 and Q3.