TCR Notification n. 2_2020

(In replacement of TCR Notification n. 1_2020)

29th July 2020

2020 Compensation Weight

The calculation of the Compensation Weight (CW) in 2020 is performed in the following way:
The considered lap-times are taken from the combined qualifying session. Whereas the fastest lap-time of each car is taken into account regardless of which of the possible qualification periods it was achieved in.
The CW span is set form 60kg down to 0kg in 10kg steps. It is applied on all cars that within the upper half of the lap-time between fastest and slowest car. The overall lap-time difference of these cars is in turn divided into four equal time durations that defines the corresponding CW for each of them. Beside this basic rule the following adoptions are applied:

- If the lap-time difference to the fastest car of the same model is no more than 0.3s the CW of the faster car is assigned.
- If the lap-time difference to the fastest car of the same model is more than 0.3s, two considerations are made:
  - If the lap-time is in the upper half of the considered time span, the CW is defined as the higher value of either a CW reduction of 50% with respect to the fastest car of the same model or the CW according to its lap-time.
  - In case the lap-time is within the second half of the considered time span the CW is reduced by 50% with respect to the fastest car of the same model.
- If the actual lap time is within the lower half of the considered time span and it's the first occurrence of the model, the CW is reduced by 50%.

The assigned CW is applied in the next event for each timed session.

For the first event of a Championship the CW is set to 0kg for all attending cars.

A car that enters the Championship after the first event will be always carry 30kg CW for its first event. After that, it will be calculated according to the rules given above.

In case a driver change the model during the Championship, for the respective car the CW is set to 30kg the first time this changed model is used.

In case a car is not attending all events of a Championship but has already set a CW from previous events, this CW is applied at the time he will continue to participate at the events.

Please note art.3.9 of the TCR Technical Regulations:
" The Minimum Racing Weight's upper limits is 1,365 Kg"

If the theoretical race car's weight calculated using the BoP Weight and the result of CW Automatic Formula is exceeding the upper limit of the Minimum Racing Weight (Art. 3.9 TCR TR) following replacement procedure will be used:

+5mm Minimum Ride Height	for 10kg calculated overweight;
+10mm Minimum Ride Height	for 20kg calculated overweight.

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2020 Compensation Weight –Example

The lap-times given below lead to the following lap-time → CW assignment:

lap-time range	CW
1:06.234 – 1:06.590	60kg
1:06.591 – 1:06.945	50kg
1:06.946 – 1:07.301	40kg
1:07.302 – 1:07.656	30kg
1:07.657 – 1:08.012	20kg
1:08.013 – 1:08.367	10kg

car	model	lap-time	CW	comment
6	Honda	1:06.234s	60kg	CW assignment according to lap-time
1	VW Golf	1:06.367s	60kg	CW assignment according to lap-time
12	Cupra TCR	1:06.534s	60kg	CW assignment according to lap-time
4	Cupra TCR	1:06.800s	60kg	Within 0.3s to fastest car of the same model
5	Subaru	1:06.934s	50kg	CW assignment according to lap-time
43	Cupra TCR	1:07.267s	40kg	More than 0.3s to fastest car of the same model but lap-time CW calculation is more than 50% CW reduction and the car is in the upper half of the considered cars
14	Lynk&Co	1:07.184s	10kg	CW assignment according to lap-time but 50% reduction because car's lap-time is in the lower half
7	Hyundai	1:07.612s	10kg	CW assignment according to lap-time but 50% reduction because car's lap-time is in the lower half
61	Hyundai	1:07.630s	10kg	Within 0.3s to fastest car of the same model
16	Alfa Giulietta Veloce	1:08.367s	0kg	CW assignment according to lap-time but 50% reduction because car's lap-time is in the lower half
32	Audi TCR	1:08.467s	0kg	Outside considered time span
50	Peugeot 308 TCR	1:08.774s	0kg	
2	Audi TCR	1:08.970s	0kg	
9	Renault Mégane	1:09.234s	0kg	
37	Lynk&Co	1:09.367s	0kg	
59	Honda	1:09.894s	0kg	
8	VW Golf	1:10.498s	0kg	

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