Amendment 4

**Skidpad Event**

**D4.4 Skidpad Scoring for Class 1C & Class 1E**

**D4.4.1 Scoring Term Definitions**
- Corrected Time = ( Right Lap Time + Left Lap Time ) / 2 + ( DOO * 0.125 )
- Tyour: the best Corrected Time for the team
- Tmin: the lowest Corrected Time recorded for any team
- Tmax: 125% of Tmin
- DOO: cone down or out

**D4.4.2**

When Tyour < Tmax the team score is determined as:

\[
\text{Skidpad Score} = 71.5 \times \left( \frac{(T_{max} / Tyour)^2 - 1}{(T_{max} / Tmin)^2 - 1} \right) + 3.5
\]

When Tyour > Tmax:

Skidpad Score = 3.5

**Acceleration Event**

**D5.4 Acceleration Scoring for Class 1C & Class 1E**

**D5.4.1 Scoring Term Definitions**
- Corrected Time = Acceleration Run Time + ( DOO * 2 )
- Tyour: the best Corrected Time for the team
- Tmin: the lowest Corrected Time recorded for any team
- Tmax: 150% of Tmin
- DOO: cone down or out

**D5.4.2**

When Tyour < Tmax the team score is determined as:

\[
\text{Acceleration Score} = 95.5 \times \left( \frac{(T_{max} / Tyour) - 1}{(T_{max} / Tmin) - 1} \right) + 4.5
\]

When Tyour > Tmax:

Acceleration Score = 4.5
**Autocross Event**

**D6.3 Autocross Scoring for Class 1C & Class 1E**

**D6.3.1 Scoring Term Definitions**
- Corrected Time = Autocross Run Time + (DOO * 2) + (OC * 20)
- Tyour: the best Corrected Time for the team
- Tmin: the lowest Corrected Time recorded for any team
- Tmax: 145% of Tmin
- DOO: cone down or out
- OC: Off Course

**D6.3.2**
When Tyour < Tmax the team score is determined as:

\[
\text{Autocross Score} = 118.5 \times \frac{(T_{\text{max}} / \text{Tyour}) - 1}{(T_{\text{max}} / \text{Tmin}) - 1} + 6.5
\]

When Tyour > Tmax:

\[
\text{Autocross Score} = 6.5
\]

**D6.5.2 (Driverless Only)**
If a team’s corrected elapsed time is below Tmax, points based on the following formula are given:

\[
150 \cdot \left( \frac{T_{\text{max}} - T_{\text{team}}}{T_{\text{max}} - T_{\text{min}}} \right)
\]

**Endurance Event**

**D7.8 Endurance Scoring for Class 1C & Class 1E**

**D7.8.1 Scoring Term Definitions**
- Endurance Run Time: Total Time for both Drivers, minus the Driver Change lap, minus any Mechanical Black Flag Time, plus any Penalty time
- Corrected Time = Endurance Run Time + (DOO * 2) + (OC * 20)
- Tyour: the Corrected Time for the team
- Tmin: the lowest Corrected Time recorded for any team
- Tmax: 145% of Tmin
- DOO: cone down or out
- OC: Off Course

**D7.8.2**
The vehicle must complete the Endurance Event to receive a score based on their Corrected Time. When Tyour < Tmax, the team score is determined as:

\[
\text{Endurance Score} = 250 \times \frac{(T_{\text{max}} / \text{Tyour}) - 1}{(T_{\text{max}} / \text{Tmin}) - 1} + 25
\]

When Tyour > Tmax:

\[
\text{Endurance Score} = 25
\]

When the vehicle does not complete Endurance (DNF), one point is awarded per lap:

\[
\text{Endurance Score} = \text{Number of Completed Laps}
\]
**Efficiency Event**

**D7.9 Efficiency Scoring for Class 1C & Class 1E**

**D7.9.2 Efficiency Eligibility**
- Vehicles whose average Endurance laptime exceeds 1.45 times the average Endurance laptime of the fastest team that completes the Endurance event will receive zero points.
- Vehicles whose corrected average fuel consumption per lap exceeds 26 liter/100 km or energy equivalent of 60.06 kgCO2/100 km will receive zero points.
- Vehicles which cross the start line following Driver Change are eligible for Efficiency points.
- Other vehicles will receive a score of zero points.
- If damage or a potential environmental hazard (such as fuel tank leakage) exists, the fuel tank will not be refilled and the team will receive zero points for Efficiency.

**D7.9.4 Conversion Factors**
Each fuel or energy used is converted using the factors:
- Gasoline / Petrol 2.31 kg of CO2 per liter
- E85 1.65 kg of CO2 per liter
- Electric 0.65 kg of CO2 per kWh

**D7.9.6 Scoring Term Definitions**
- CO2 min: the smallest mass of CO2 used by any competitor who is eligible for Efficiency.
- CO2 your: the mass of CO2 used by the team being scored.
- Tmin: the lowest Endurance time of the fastest team which is eligible for Efficiency.
- Tyour: same as Endurance (D7.8.1).
- Laptours: the number of laps driven by the team being scored.
- Laptotal Tmin and Laptotal CO2min: be the number of laps completed by the teams which set Tmin and CO2min, respectively.
- Efficiency Factor is determined by:

\[
\text{Efficiency Factor} = \frac{T_{min}/\text{LapTotal}_{T_{min}}}{T_{yours}/\text{Lap yours}} \times \frac{\text{CO2 min}/\text{LapTotal}_{\text{CO2 min}}}{\text{CO2 your}/\text{Lap yours}}
\]

- Efficiency Factor min: efficiency factor calculated considering the maximum allowable CO2your (60.06 kgCO2/100km) and the maximum allowable endurance time (1.45 times Tmin).
- Efficiency Factor max: maximum efficiency factor achieved by any team eligible for Efficiency Event.

When the team is eligible for Efficiency Event, the team score is determined as:

\[
\text{Efficiency Score} = 100 \times \frac{(\text{Efficiency Factor min} / \text{Efficiency Factor your}) - 1}{(\text{Efficiency Factor min} / \text{Efficiency Factor max}) - 1}
\]
Trackdrive Event (driverless only)

D.8.3.4

If a team’s corrected elapsed time is below Tmax and the run was not DNF or DQ, points based on the following formula are given:

$$225 \cdot \left( \frac{T_{\text{max}}}{T_{\text{team}}} - 1 \right) + 5 \cdot N_{\text{completed\_laps}}$$

- $T_{\text{team}}$ is the team’s corrected elapsed time.
- $T_{\text{max}}$ is 2 times of the corrected elapsed time of the fastest vehicle over all runs.