

## **Addendum to the official EMMA Rulebook 2018**

Version 1. 2019

### **Installation judge book page 7**

#### **"How to calculate wire sizes"**

Voltage used for calculation is  $U=12V$

### **Rulebook Chapter 2.1**

No stepping down to **Master Limited** allowed.

Master Limited is for:

- Progression from **Skilled** categories or
- 'New Industry Professionals' (*New = Joined the industry less than 2 years ago.*)

### **Rulebook Chapter 5.1**

#### **Covering of windows in MM**

Covering of windows is permitted provided covers are 'mounted outside the vehicle', (*covering of windows inside the vehicle is not-permitted*).

Check Multi Media equipment is 'securely mounted' to the vehicle during installation judging:

- Check box for MM sound / picture on scoresheet If multimedia equipment is installed and securely mounted **Yes/No**.

### **Rulebook Chapter 9.10.2**

Competitors' that are not using the official CD/DVD and where the installation does not provide a USB interface, the competitor must announce this at their registration, so this can be documented onto their score sheet. The Competitor is responsible for loading the data to his storage device under the observation of EMMA. EMMA will offer a location, a time slot and USB-stick /CD with the EMMA Media for that after registration. All other necessary components must be provided/brought by the competitor.

EMMA may keep the storage device until judging process is finished. EMMA shall not be reliable for loss or damage.

### **Rulebook Chapter 2.1**

#### **E-CAT restrictions & S-CAT restrictions:**

Original:

"No modified or self-build active components"

Changed to:

"No performance modifications or self-built equipment. Cosmetic changes are acceptable."

**ESPL:**

**Rulebook Chapter 6.1 page 52 (rules for all categories bullet point 3)**

Original:

“The car must have driver and passenger side seats installed in original condition or similar (sport seats, etc.).”

Changed to:

“The car must have driver and passenger side seats installed (with back made) for automotive use and to be used for driving the car. Car must be able to drive on its own by a driver sitting in the car.

- The car must have OEM driver and passenger side doors that must be able to be opened for the dedicated measurement. It is not allowed to block or make the door opening smaller than it is as OEM. Modified door panels are of course allowed.

- Doors can be closed using only original locking mechanisms.

- No obstructions except OEM components and roof brace (“stripper pole”, max d=10cm) between the two door openings

- No “room in room” builds allowed. No sealed structures inside the windshield and front side windows allowed.”

**Rulebook Chapter 6.2**

Rules of Measurement for all classes.

Taken from rule book page 63

Original:

“The first measurement will be with the doors closed – a minimum 30 seconds of music will be played.

Within this measurement, the peak SPL will be measured. Within the next 2 minutes a second measurement will follow:

The second measurement will be done with both front doors completely open – a minimum 30 seconds of music will be played with the same track as in the first measurement. Within this measurement, the average SPL will be measured.”

Changed to:

“The first measurement will be with **the doors fully closed making the car “fully sealed”** – a minimum 30 seconds of music will be played.

Within this measurement, the peak SPL will be measured. Within the next 2 minutes a second measurement will follow:

The second measurement will be **done with only the front doors completely open** – a minimum 30 seconds of music will be played with the same track as in the first measurement. Within this measurement, the average SPL will be measured.

General:

Only one person is allowed to run the system, no supporting people

EMMA will not accept anybody blocking the doors or assisting during the measurement.

If this is the case, the measurement has to be repeated and this score counts.

In a case where an external person not belonging to the competitor is trying to do so to force a second measurement of the competitor, he (and if member of a team all team mates) will lose 100 points on any scoresheet.”

### Rulebook Chapter 6.2.5

Original:

“A front system must be installed and play audible music during measurement, if the front system is not audible there will be a 10-point deduction.”

Changed to:

“The system must play audible music during measurement, a front system must be installed and, if the music is not audible during the measurement due to a fault. See 6.2.8

*(REPEATED for addendum cross reference only:)*

*6.2.8 “If during measurement the head unit stops/blocks/jumps, the system or a component of the system fails/breaks/fuse blow, etc. the competitor has a second chance to start within 5 minutes for every measurement (open/closed). The same if accidentally another track is used. There is no third chance for any reason.”*

### Rulebook Chapter 2.3 ESPL Page 9

“ESPL Expert Installation:

- Extreme installation is appreciated and beneficial see matrix in chapter 10 Restrictions:
- The subwoofers including enclosure ports etc. must be behind the OEM B pillar the enclosure can reach up to the roof of the car”

### Rulebook Chapter 10

Matrix for ESPL X unl.

Matrix ESPL	U	
		120+
Measurement with open doors		
Measurement with closed doors		
Max. points		120
Presentation to the public		10
Cleanliness		6
Main Fuse present y/n		10
All components securely mounted		24
All components fused		15
Fuse of appropriate value		20
First Optic impression		10
Interior wires invisible		5
Overall design of vehicle		10
Craftmanship		10