

FORMULA
STUDENT **EAST**

DYNAMIC EVENT RULES

WHO IS READY?

VERSION 1.0

RELEASE DATE: 3RD OF APRIL 2019

FURTHER DETAILS AT FSEAST.EU

#FSEAST #MAKESOMENOISE

D1. INTRODUCTION

Formula Student East® (hereafter “FS East®”) is a FSAE style Formula Student engineering competition held in Hungary, organised by the Association of Automotive Engineers (formerly Engineers for the Automotive Higher Education Association) since 2016. Formula Student East will allow to participate vehicles with conventional internal combustion engine (gasoline or ethanol fuelled) and electric powertrain. Furthermore Formula Student East welcomes the participation of driverless vehicles (both with internal combustion or electric powertrain).

The three categories will be evaluated separately:

- Internal Combustion Vehicles (hereafter CV)
- Electric Vehicles (hereafter EV)
- Driverless Vehicles (hereafter DV)

This document contains the FS East General rules.

These specific rules are additions to the Formula Student Rules 2019 document (hereafter “Rules 2019”) published by [Formula Student Germany](#). In case of a conflict between the Rules 2019 and the 2019 FS East rules, the 2019 FS East rules supersede the Rules 2019.

D2. DYNAMIC EVENTS

AS DEFINED IN THE RULES 2019 PART D.

Only those people can enter to the Dynamic Area during the Event, who are wearing long trousers (excluding stretch and nylon pants) and closed shoes on their legs, due to safety reasons.

D2.1 DYNAMIC EVENTS SCORING

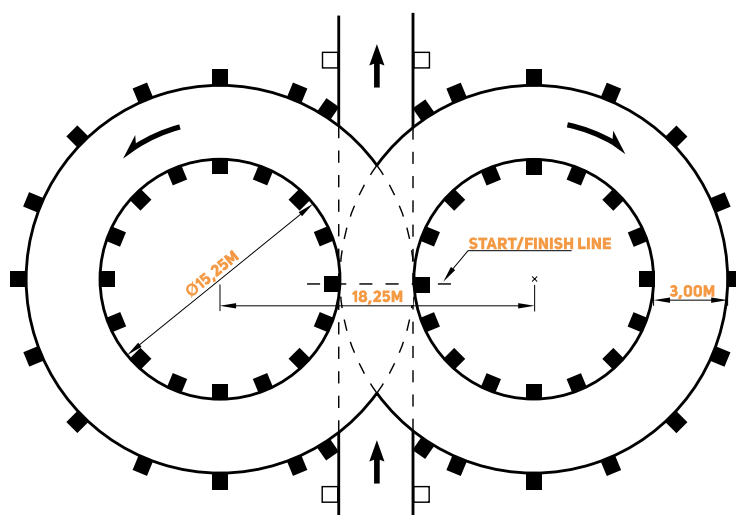
AS DEFINED IN THE RULES 2019 PART D.

D2.2 SKIDPAD EVENT

D2.2.1 SKIDPAD TRACK LAYOUT

AS DEFINED IN THE RULES 2019 PART D.

This means, that the skidpad layout will be the original 8 - shape layout.



TRACK LAYOUT FOR SKIDPAD EVENT

□ ■ ◀ CONES

D2.2.2 SKIDPAD PROCEDURE AS DEFINED IN THE RULES 2019 PART D.

D2.3 DRIVERLESS EVENTS

AS DEFINED IN THE RULES 2019, EXCEPT AS IT IS SHOWN FS EAST DYNAMIC EVENT RULES D2.5.4 SECTION.

D2.4 ADDITIONAL FS EAST-SPECIFIC REMARKS

D2.4.1 PIT RULES

Pit Rules will be detailed in the Event Handbook.

D2.4.2 SCHEDULE

The schedule for the dynamic events will be shown in the Event Handbook. The last team that is allowed to start the run is the one that stands at the starting line before the scheduled time is over. This team is allowed to finish its runs. Teams standing in the row at closing time are not allowed to start their run. At the entrance of the test tracks, the skidpad, acceleration and autocross track, a CLOSED sign will be placed with the scheduled ending time.

D2.5 SPECIAL ADDITION TO THE FS RULES 2019

D2.5.1. PASSING

The passing rules do not apply to vehicles that are stopped on track or vehicles that have spun out and are not moving. When passing a stationary vehicle, it is critical to slow down, drive cautiously and to follow the instructions from the track marshals.

NOTE: Overtaking on any section of the track except passing zones is still not allowed.

NOTE: If you notice any problem causing that you have to stop, please leave the ideal line.

D2.5.2. ENDURANCE WAITING QUEUE

IMPORTANT: In order to have equal and fair conditions during the Endurance event at least 3 cars have to be on the track during the whole time of the Endurance event.

Therefore the Organisers will maintain a waiting queue of 3 teams. It is the team's responsibility to arrive in the waiting queue before the deadline -which will be announced for each team in the loudspeakers 15 minutes before the deadline. A delay will be penalised with 2 minutes penalty and the team will be able to start only at the end of the endurance event.

NOTE: According to experience of earlier years Formula Student events, it is expected to have sudden need for new teams in the waiting queue in the first section of the endurance event due to early DNFs. Please be prepared to attend the queue on time!

D2.5.3. ENDURANCE TRACK LENGTH

The full length of the Endurance event will be approximately 22 km.

The Endurance and Autocross track will be laid out with cones. In the straights, the distance between two cones will be 8-10 m in driving direction, and in some straights, the track width will be 3-8 m.

D2.5.4. DRIVERLESS EVENTS

FS East intends to provide ideal circumstances for DV cars. As the venue will take place on a circular tarmac area with a diameter of 300 m, FS East can provide huge run-off area for Driverless vehicles.

Driverless Autocross Event takes place on the same track as Driverless Trackdrive Event.

Driverless Autocross and Driverless Trackdrive Event will be the same in the Event Schedule, teams can choose, whether they start their Autocross or their Endurance Run, when entering the track.

Previously collected data must be deleted before the Autocross and Trackdrive Event.
Refuelling is needed before starting Trackdrive Event.

D2.5.5 DRIVERLESS CONES

The used cones during the Driverless Events are defined in the “FSG Competition Handbook 2019”, section Track Marking. Difference to that, that the cones will not be marked with any additional labels. All kind of tracks used by DV vehicles will be surrounded with huge run - off area.

D2.5.6 FUEL

FS East offers two types of fuels for teams:

- Gasoline, RON 100
- MOL Racing Fuel DRX (ethanol 85%, with 15% RON 106 maingrade gasoline).

Details can be found at www.fseast.eu.

D2.5.7 TIMEKEEPING

Transponders will be provided by FS East Event.

Transponders must be placed safely (securely attached, protected from debris and hot surfaces) on the left side of the vehicle (preferably on the nose cone, sidebox or diffuser) for timekeeping.

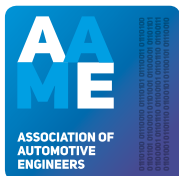
IMPORTANT: Transcieving surface of the transponder must not be faced to the ground, but point to the left parallelly to the ground and perpendiculary to the centerline of the vehicle. The transcieving surface must not be obscured by any parts of the vehicle. Image of a possible solution will be shown in Event Handbook.

FORMULA STUDENT EAST



CHANGELOG

Version	Date	Modification	Page
1.0.0	3rd of April 2019	Initial release	-



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