

**DEAR ALUMNI,
YOUR TIME IS NOT OVER!
FS EAST IS COUNTING ON YOU! WE ARE PREPARING
AN OPEN STYLE COMPETITION FOR YOU
AT FS EAST 2025.**

FS EAST ALUMNI CUP RULES 2025



1. INTRODUCTION

Formula Student East® (hereafter “FS East®”) is a FSAE style Formula Student engineering competition in Hungary, organised by the Association of Automotive Engineers (formerly Engineers for the Automotive Higher Education Association) from 2016.

Formula Student East Alumni Cup (hereafter also “AC”) will allow vehicles to participate from previous years with conventional internal combustion engine (gasoline or ethanol fuelled) and electric powertrain.

The special rule set will be defined in this document and applies to every team applied for the AC. These specific rules are changes and/or additions to the Formula Student Rules 2025 document (hereafter “Rules 2025”) published by Formula Student Germany (<https://www.formulastudent.de/>) and applicable for 2025. In case of a conflict between the FSG Rules 2025 and the 2025 FS East Alumni Cup rules, the 2025 FS East Alumni Cup rules supersede the FSG Rules 2025.

2. GENERAL

2.1 COMPETITION DATES AND PLACE

FS East Alumni Cup 2025 will be held preliminary between 28th July and 2th of August together with FS East 2025 in Hungary.

2.2 OFFICIAL LANGUAGE

The FS East and FS East Alumni Cup official language is English.

2.3 OFFICIAL TIME

The FS East official time:

From Till Time

2024-10-29 00:00 2025-03-31 02:00 CET

2025-03-31 03:00 2025-10-27 03:00 CEST

2.4 REGISTRATION

The registration period starts on the 02.04.2025.



Please register your team at this [LINK](#).

The person registering the team will be automatically the contact person and team leader which can be changed before the event.

Once your application is accepted you will be informed about the next steps. The older the participating car the higher priority it has during registration and with getting the reserved spots. The registration period ends on the 25th of April 2025 and the official starter list will be published soon afterwards.

The registration for the team members will follow as the registration period ends.

Whereas the platform will be announced on a later time and the team captains will be directly informed about.

Hereby the participants accept the alumni participation deal which includes:

- Driving Alumni cars and supporting the corresponding alumni team during the event.
- Being available for at least half of the competition (at least 5*0,5 days) to volunteering activities. Volunteering Roles at the FSEast2025: Static judge, Scrutineer, Dynamic support, Event support.
- Alumni gear (Shirts, Flasks etc.)

2.5 FEES

The registration fee for the AC is a symbolic 300€ (excl. VAT). This covers the operational cost and the slot reservation. This fee shall be paid until the 15th of May, otherwise the team will lose its reserved slot. The FS East 2025 Competition Handbook EA 2.8 Refund policy is valid for the Alumni cup as well.

The camping and catering will be complimentary for the volunteering alumni participants for each full days of availability.

2.6 PARTICIPATION

No alumni team member can be active in any Formula Student team.

It can lead to disqualification of the person and penalty for the team(s).

The AC members are only allowed to work on alumni cars.

Working at other than alumni pits can lead to disqualification of the member and penalty for the team(s).

All alumni participants are invited to any recreational event held for volunteers.

2.7 EVENT HANDBOOK

The FS East event handbook may contain special event procedures and restrictions for example regarding working on the car etc. It must be read and understood by all event participants.

2.8 UNSPORTSMANLIKE CONDUCT

Unsportsmanlike conduct, intentional deception of an official, or dangerous irresponsible behaviour will be reason for instantaneous disqualification.

2.9 TESTING AND WORK SAFETY

FS East is not responsible for the use of the cars other than at the event.

Furthermore, the organizers of the FS East dissociate themselves from all activities of the teams besides FS East and associated events.

Nevertheless, all teams are advised to follow common practices and common sense when working on the vehicle and when operating the vehicle, also before and after the FS East event.

Cars designed and manufactured for the participation of Formula Student events should not participate in events not suitable for Formula Student vehicles like hill climbs, drag races or similar events.

Teams should never use their cars for wheel-to-wheel races.

The following listed requirements should at least be met to qualify as a safe testing/driving environment but does not mean that following these guidelines guarantees safety under all circumstances.

- Driver wearing full protection gear incl. arm restraints.
- Working TSAL, IMD, BMS/AMS, Torque Encoder plausibility check, torque/brake encoder plausibility check, brake system plausibility device, ETC plausibility check, ASSI and EBS if applicable.
- Rules compliant frame/monocoque
- Mounted impact attenuator
- No wheel-to-wheel racing
- No other passenger cars, trucks etc. being driven on the same premise at the same time, unless the area is clearly separated.
- No driving under low visibility conditions
- No driving at speeds above typical event speeds, see Part D of the FS Rules for details.
- No driving in areas where crashing into obstacles at the height of the driver's head is possible, such that parts of the vehicle may pass below an obstacle, but the driver's head can be trapped between the obstacle and the main roll hoop for example.

FS East reserves the right to disqualify a registered team in case of unsafe driving behaviour, especially if the reputation of Formula Student organizers, sponsors and other teams is compromised. The decision to remove a team from the FS East competition must be made unanimously by the FS East rules committee and will be made public on the FS East website.

NOTE: This rule has not been established to annoy you, but to ensure that we experience a safe and accident-free Formula Student competition.

2.10 [CV ONLY] FUEL TYPE ORDER

The teams must inform FS East of the type of fuel they intend to use. The fuel types provided are expected to be 98 octane (ROZ 98) gasoline and E85.

2.11 [EV ONLY] ELECTRICAL SYSTEM OFFICER(S) DECLARATION

All EV teams and DV teams with electric traction systems must declare Electrical System Officer(s). Please note the responsibilities of the ESO in A4.3 of the Rules 2025. The ESOs must be nominated by the team captain on login.fseast.eu. The number of ESOs are limited to 5 per team. No Diploma or degree will be required, but a liability statement needs to be received and signed on the event.

2.12 [EV ONLY] ACCUMULATOR CONTAINER

Please see the rules according to: FORMULA STUDENT EAST RULES 2025 – EA1.10, EA1.11 & EA3.8 SPECIAL REQUIREMENTS AND RESTRICTIONS FOR ELECTRIC VEHICLES

3. TECHNICAL RULES

Technical rules are applied from the attending car's respective year. Those rules can be less restrictive if the team can show that the car can be safely operated and cannot danger anyone nearby in any means. To ensure safe operation across the board, however, technical rules detailed below extend upon or overrule relevant sections of respective rulebook for the entered vehicle.

3.1 TECHNICAL INSPECTION

The car needs to have a start number in a following format: [A##] ## - can be any double-digit natural number, preferably corresponding the number of the respective university.

3.1.1 INSPECTION OF ELECTRONIC THROTTLE CONTROL (ETC)

Internal combustion engine vehicles equipped with ETC will have two parts of technical inspection: mechanical inspection and electrical inspection.

The electrical inspection is the second part of the inspection, it is held in the engine test area. and will focus on the operation of ETC.

3.1.2 INSPECTION OF BSPD CIRCUIT

All combustion vehicles (where applies) must have a BSPD circuit, see Rules 2025 T11.6 A template circuitry can be found on the FSG website:



https://www.formulastudent.de/fileadmin/user_upload/all/2019/important_docs/FSG19_BSPD_v0.3.zip The inspection of BSPD circuit is held in the engine test area and will focus on its operation.

3.2 SCRUTINEERING PROCEDURE

The following steps need to be passed during the scrutineering, according to classification of the car.

	EV	CV
EV1 Scrutineering	X	
Accumulator Scrutineering	X	
Mechanical Scrutineering	X	X
EV2 Scrutineering	X	
ETC/BSPD Inspection		X
Driver Egress & Safety Test	X	X
Tilt Test	(X)	(X)
Rain Test	(X)	
Brake Test	X	X

3.2.1 STATIC SCRUTINEERING EVENTS

3.2.1.1 PRE-INSPECTION

There will be no Pre-Inspection on FS East 2025.

3.2.1.2 EV 1 SCRUTINEERING [EV ONLY]

Electrical Scrutineering of the Low Voltage systems of the car. The TS accumulator must be outside of the car.

3.2.1.3 ACCUMULATOR SCRUTINEERING [EV ONLY]

Electrical Scrutineering of the TS Accumulator and Charging systems of the car. Can be done independently from EV1.

Teams also must present all safety equipment and high voltage rated tools.

3.2.1.4 MECHANICAL SCRUTINEERING

Mechanical Scrutineering of the car.

EV only: TS Accumulator can only be mounted inside the car if the Accumulator Scrutineering has already passed.





3.2.1.5 EV 2 SCRUTINEERING [EV ONLY]

Electrical Scrutineering of the Tractive System of the car. The car must be in ready-to-race condition, and every scrutineering stage mentioned before have to be passed to start the EV2 scrutineering.

3.2.1.6 ETC/BSPD INSPECTION

See Section 3.1

3.2.1.7 DRIVER EGRESS & SAFETY TEST

During the Driver Safety Test, each team has to present their safety equipment, and also demonstrate the driver emergency exit situation. Teams must also present every item listed in Rules 2025 T13.

3.2.2 EQUIPMENT AT ELECTRIC VEHICLES INSPECTION

For the electrical inspection of the technical inspection each team must present the following equipment:

- TS accumulator charger to be used during the event (EV2)
- all TS accumulator containers to be used during the event (EV2)
- TS Accumulator Container Hand Cart (EV2)
- Tools as listed in Rules 2025 IN 3.2.1 and IN 4.2.1

3.2.3 READY-TO-RACE CONDITION

Before Drivers Safety Test, the car must be in ready-to-race condition. No body part change or additional venting hole covering is allowed after this point.

3.2.4 BRAKE TEST

There will be an official brake test for each alumni car. The requirements for passing are less strict than in the official FS Rules. A secure stop needs to be proven by the judging committee.

3.3 ALUMNI CUP EXCEPTIONS

Alumni Cup members can volunteer as a scrutineer, however, are not allowed to scrutineer their current competing team cars.

AC cars will be scrutineered by Alumni Teams. A simplified Technical Inspection Sheet will be provided by the organizers. There will be a scrutineering pairing by the organizers.

Furthermore, rain and tilt tests are not necessary.

The one and most important rule of the AC is that the participating car needs to be **SAFE**.



3.4 VEHICLE STATUS VIDEO (VSV)

All starting vehicle needs to provide a VSV, which is not restricted to that of the FORMULA STUDENT EAST RULES 2025. The video needs to show readiness of the car and must be made between September 2024 – July 2025.

The last deadline will be published after the registration process.

4. STATIC EVENTS

Attending the FSEast Alumni Cup 2025 means that the members are selected to be able to participate as judges, scrutineers and/or marshalls at the FSEast 2025.

5. DYNAMIC EVENTS

As defined in the FS East Competition Handbook 2025 EA 6 Dynamic events.

5.1 DRIVER RESTRICTIONS

The driver can be any team member who can take responsibility and have experience with the actual car. There are no limits on how many driver(s) the team can have.

The driver equipment can be changed between team members but only outside of the dynamic area. For every driver a successful driver egress test needs to be made.

5.2 SKIDPAD

Might be extended with some entertainment enhancing event.

To Be Determined.

5.3 ACCELERATION

Power limitation can be held up if safety measurements allow.

5.4 AUTOCROSS

To Be Determined

5.5 ENDURANCE

There will be an adjusted scoring table. Depending on the car's age and performance through the endurance event. More information coming after the registration period.

5.9 TIMEKEEPING

Transponders will be provided by FS East Event.
Image of a possible placement will be shown in the Event Handbook.

5.10 FLAG USAGE IN CASE OF BURNING CARS

In case of track marshals notice major failure with the vehicle, yellow flags and STOP tables will be shown by the organisers.
Drivers must stop the vehicle at the side of the track in a safe place.

6. RECREATIONAL EVENTS

Recreational events can take place outside of the track and count towards the overall collectable points.
These events are meant to enhance team spirit and integration.
Detailed information about those events will be available at arrival.

6.1 DRIFT EVENT

This special event will consist of challenges on a designated area that are dependent on the team's performance. More information will be published in the competition handbook after the registration deadline.

6.2 ALTERNATIVE ACCELERATION

Push a wheel through the finish line. More information will be published in the competition handbook after the registration deadline.

6.3 SENIOR GOT TALENT

Show the most special / best / funniest performance with your car included at the front of our jury.

6.4 HOOSIER BALL

No explanation needed.

We reserve the right to change the rules. Updates will be published on the FS East official website.
(www.fseast.eu)